
PHASE II ENVIRONMENTAL SITE INVESTIGATION REPORT

for

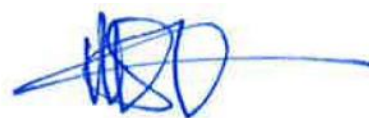
**VITAL BROOKLYN – SITES E, F, G, and H
808 Rutland Road
Brooklyn, New York 11203**

Prepared for:

**Monadnock Development, LLC
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Brooklyn, NY 11231**

Prepared by:

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LANGAN

**June 29, 2021
Langan Project No.: 170655401**

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1.0 INTRODUCTION

Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan) prepared this Phase II Environmental Site Investigation (ESI) Report for Monadnock Development, LLC for the property located at 808 Rutland Road in the East Flatbush neighborhood of Brooklyn, New York (the site). The site is also known as Vital Brooklyn¹ – Sites E, F, G, and H. The purpose of the Phase II ESI was to investigate recognized environmental conditions (RECs) identified during preparation of the Draft Phase I Environmental Site Assessment (ESA), prepared by Langan and dated May 25, 2021, and to collect soil, groundwater, and soil vapor data in support of the proposed site redevelopment.

The Phase II ESI was implemented on April 21, 22, and 23, 2021. The investigation included a geophysical survey; advancement of soil borings; installation of temporary groundwater monitoring wells; installation of soil vapor and sub-slab vapor points; and collection and laboratory analysis of soil, groundwater, soil vapor and sub-slab vapor samples.

This report is organized as follows:

- Section 2.0: Background
- Section 3.0: Field Investigation Methodology
- Section 4.0: Observations and Results
- Section 5.0: Conclusions
- Section 6.0: Limitations

¹ The Vital Brooklyn Initiative is an ongoing community development program for underserved neighborhoods in Central Brooklyn. Vital Brooklyn offers a holistic approach that focused on eight integrated areas of improvement: open space and recreation; healthy food; education; economic empowerment; community-based violence prevention; community-based health care; affordable housing; and resiliency.

2.0 BACKGROUND

2.1 Site Location and Description

The site is located at 808 Rutland Road in the East Flatbush neighborhood of Brooklyn, New York and is identified on the Brooklyn Borough Tax Map as the northern portions of Lots 1 and 5 on Block 4602. The site is approximately 101,951 square feet in area and comprises the northern portion of the Kingsbrook Jewish Medical Center campus. The site is part of the Vital Brooklyn community development and wellness initiative and is known as Sites E, F, G, and H, as detailed below:

- Site E - 561 Schenectady Avenue – a four-story building (the Leviton Building) primarily used for office space and vaccine administration
- Site F - 830 Rutland Road – a mostly-vacant six-story building (the Masin Building), with the exception of ground floor offices and second and third floor laboratories, and a courtyard and a vacant security booth
- Sites G and H - 73 East 49th Street – adjoining six- and four-story buildings (the Blumberg and LeFrak Buildings, respectively) used for doctor's offices, medical equipment storage, administrative offices, and dialysis treatment

The site is bound by Rutland Road followed by a multi-story residential building and parking lot to the north, East 49th Street followed by a parking lot for the medical center (Vital Brooklyn – Site K) to the east, the southern part of the Kingsbrook Jewish Medical Center campus to the south, and Schenectady Avenue followed by multi-story residential and commercial buildings to the west. A site location map is included as Figure 1.

2.2 Draft Phase I ESA Findings

The May 25, 2021 Draft Phase I ESA identified that the LeFrak building was constructed in 1927, the Blumberg and Leviton buildings were constructed in 1933, and the Masin building was constructed in 1957 as part of the Kingsbrook Jewish Medical Center. No other historical uses, aside from dwellings and unknown storage buildings, were identified for the site.

The following RECs were identified in the Draft Phase I ESA:

1. Historical Hazardous Waste Generation at the Site: The site was listed as a Resource Conservation and Recovery Act (RCRA) Small Quantity Generator in 1991, 2003, and 2007; a Non Generator/Longer Regulated (NonGen/NLR) in 1995; and a Conditionally Exempt Small Quantity Generator in 2006 for the generation of hazardous wastes. Violations related to RCRA generator status were identified. Based on the multi-year duration of hazardous waste handling operations, record of violations, and types of waste

handled, historical releases of hazardous waste may have adversely impact soil, groundwater and/or soil vapor at the site.

2. Open Petroleum Spill Cases at Surrounding Properties: An active gasoline filling station (530 Utica Avenue – 250 feet east) and a former gasoline filling station and automotive repair facility (529 Utica Avenue – 350 feet east) are the subject of two open petroleum spill cases (New York State Department of Environmental Conservation [NYSDEC] Spill Nos. 9614292 and 9309669, respectively). Both properties are located up/cross-gradient of the site. Both spills were reported when subsurface impacts were identified during tank removals. Remedial actions were completed at both sites; however, on-going groundwater monitoring indicates concentrations of petroleum compounds in groundwater at concentrations above regulatory standards as of 2017 and 2020. Both spill cases remain open. Residual petroleum contamination from the gasoline filling stations may have adversely impacted groundwater and/or soil vapor at the site.
3. Current and Historical Uses of Adjoining and Surrounding Properties: Current and historical uses of adjoining and surrounding properties include gasoline filling stations, auto repair facilities, and car washes (circa 1969-present) and a coal power generation facility (date unknown – circa 1980). These current and historical uses of off-site properties may have adversely impacted groundwater and/or soil vapor at the site.

2.3 Geology

Based on the United States Geological Survey (USGS) “Bedrock and Engineering Geologic Maps of New York County and Parts of Kings and Queens Counties, New York, and Parts of Bergen and Hudson Counties, New Jersey” dated 1994, the bedrock formation underlying the site is part of the Hartland Formation, which generally consists of mica schist and quartz-feldspar granulite, with localized intrusions of granite and pegmatite. Geological surface features (e.g., rock outcroppings) were not observed on the site.

In soil borings advanced during this Phase II ESI, varied-colored, fine- to medium-grained sand with varying amounts of fine gravel, brick, concrete, and glass was observed immediately below the existing cover (grass) extending to about 6 to 12.5 feet below grade surface (bgs). From about 12.5 feet bgs and below, brown fine sand with varying amounts of medium sand, silt, gravel, and clay was encountered. At one boring location (SB04, see Figure 2 – Sample Location Map), a silt layer was encountered from about 12 to 22.5 feet bgs.

2.4 Hydrogeology

Groundwater flow is typically topographically influenced, as shallow groundwater tends to originate in areas of topographic highs and flows toward areas of topographic lows, such as rivers, stream valleys, ponds, and wetlands. A broader, interconnected hydrogeologic network often governs groundwater flow at depth or in the bedrock aquifer. Groundwater depth and flow

direction are also subject to hydrogeologic and anthropogenic variables such as precipitation, evaporation, extent of vegetative cover, and coverage by impervious surfaces. Other factors influencing groundwater include depth to bedrock, the presence of artificial fill, and variability in local geology and groundwater sources or sinks.

Based on groundwater measurements collected from temporary monitoring wells installed during this Phase II ESI, depth to groundwater ranged from approximately 8.57 feet bgs at TMW04 to 20.94 feet bgs at TMW05. A 10.5-foot-thick silt layer was observed starting at around 12 feet bgs in soil boring SB04. Regulatory database records for nearby properties indicate groundwater at the site is located about 23 feet bgs and is presumed to flow southwest. In addition, a January 2014 Phase I ESA for the Kingsbrook Jewish Medical Center, prepared by AKRF, Inc., included a summary of a geotechnical investigation conducted by Carlin-Simpson & Associates Consulting Engineers in a parking lot southeast of the site. The report documented that groundwater was encountered at about 23 feet bgs, and perched groundwater conditions were observed at about 10 feet bgs. Thus, the groundwater level at TMW04 likely represents a perched groundwater condition and true groundwater is likely located between about 21 and 23 feet bgs.

3.0 FIELD INVESTIGATION METHODOLOGY

On April 21, 22, and 23, 2021, Langan implemented a Phase II ESI consisting of the following activities:

- A geophysical survey to preclear sampling locations and identify a suspected exterior underground storage tank (UST)
- Advancement of six soil borings and collection and laboratory analysis of seven grab soil samples including one duplicate sample
- Installation of two temporary groundwater monitoring wells and collection and laboratory analysis of three groundwater samples including one duplicate sample
- Installation of two soil vapor probes and collection and laboratory analysis of two soil vapor samples
- Installation of one sub-slab soil vapor probe and collection and laboratory analysis of one sub-slab vapor sample

The sample locations are presented on Figure 2, and the sample summary is included in Table 1.

3.1 Geophysical Survey

NOVA Geophysical Services conducted a geophysical survey under Langan observation on April 21, 2021 using ground penetrating radar (GPR) and electromagnetic detection equipment to preclear sample locations and identify a suspected UST in the western exterior portion of the site. The geophysical survey was limited to the sample locations and an about 1,200-square-foot area outside the northwestern corner of the Leviton building. One geophysical anomaly resembling a UST was identified within the landscaped area between Schenectady Avenue and the northwestern corner of the Leviton building. A fill port and vent pipe were observed in this area during the Draft Phase I ESA site reconnaissance and the Phase II ESI. The geophysical engineering survey report is included as Appendix A.

3.2 Soil Investigation

The soil investigation included the advancement of six soil borings within the site boundary (SB01 through SB06). Lakewood Environmental Services Corp. (Lakewood) installed the borings under the observation of a Langan field professional on April 22, 2021.

Lakewood used a Geoprobe 6610DT track-mounted drill rig and a Geoprobe 420M remote access drill rig to advance borings to depths ranging from 16 to 28 feet bgs based on observed field conditions and to install temporary monitoring wells. Soil samples were collected continuously into 2-inch-diameter, 4-foot-long Macro-Core sample barrels lined with dedicated acetate sleeves.

A Langan field professional classified soil samples for soil type, grain size, texture, moisture content, visual and olfactory indications of a chemical or petroleum release (e.g., staining and odors), and performed instrumental screening for the presence of volatile organic vapors using a photoionization detector (PID) equipped with a 10.6 electron volt (eV) lamp. The soil boring logs are provided in Appendix B.

One soil sample was collected from each boring and one duplicate sample was collected for quality assurance/quality control (QA/QC) purposes based on observed or suspected impacts and/or to investigate RECs identified by the Draft Phase I ESA. Soil samples were collected into laboratory-supplied glassware and Terra Core sampling kits, placed in an ice-chilled cooler, and submitted to a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP)-certified laboratory (York Analytical Laboratories, Inc. [York] of Stratford, CT [ELAP ID #10854]) via courier service under standard chain-of-custody protocol. Seven soil samples were analyzed for NYSDEC Part 375 volatile organic compounds (VOC) by United States Environmental Protection Agency (USEPA) Method 8260, semivolatile organic compounds (SVOC) by USEPA Method 8270, polychlorinated biphenyls (PCB) by USEPA Method 8082, and metals by USEPA Method 6010. Two of the seven soil samples were also analyzed for pesticides by USEPA Method 8081 and herbicides by USEPA Method 8151.

Following sample collection, boreholes SB04 and SB05 were converted into temporary groundwater monitoring wells.

3.3 Groundwater Investigation

Lakewood installed two temporary monitoring wells, TMW04 and TMW05, at their respective boring locations. The monitoring wells were constructed of ten feet of one-inch-diameter Schedule 40 polyvinyl chloride (PVC) pipe with a 10-foot-long 0.010-inch slotted well screen connected to a 1-inch-diameter Schedule 40 PVC riser extending to about 12 inches above grade surface. Monitoring well screens were installed to straddle the observed water table, which was encountered between about 12 and 22 feet bgs at the locations of the temporary wells. Screened intervals are detailed in Table 1 and Appendix C.

A Langan field professional collected one groundwater sample from each temporary well and one duplicate sample for laboratory analysis. The groundwater sampling procedure was in general accordance with the NYSDEC Department of Environmental Remediation (DER)-10 and USEPA's Low-Flow Purging and Sampling Procedures for the Collection of Groundwater Samples from Monitoring Wells. The groundwater samples were collected using a peristaltic pump with dedicated Teflon-lined polyethylene tubing. Before a groundwater sample was collected, the wells were gauged and then purged while groundwater quality parameters (pH, conductivity, turbidity, dissolved oxygen, temperature, and oxidation-reduction potential [ORP]) were monitored. At both temporary monitoring wells, monitored parameters did not stabilize during

sampling, and a sample was collected after 1 hour of purging. Monitoring well sampling logs are provided in Appendix C.

Groundwater samples were collected into pre-cleaned laboratory-supplied glassware and submitted to Alpha via courier service under standard chain-of-custody protocol. Groundwater samples were analyzed for NYSDEC Part 375 VOCs by USEPA method 8260 and SVOCs by USEPA method 8270.

3.4 Soil Vapor and Sub-Slab Vapor Investigation

Lakewood installed two soil vapor sampling points (SG01 and SG02) under the observation of a Langan field professional. The soil vapor sampling points were installed to approximate development depth or two feet above the groundwater table, whichever was shallower (about 15 feet bgs at SG01 and to about 8 feet bgs at SG02) using the track-mounted rig and consisted of a 2-inch-long polyethylene probe fitted with 3/16-inch Teflon-lined polyethylene tubing. No. 2 sand was backfilled into the borehole to about 3 to 5 feet above the probe, followed by a one-foot-thick hydrated bentonite seal, No. 2 sand to about 1 foot bgs, and a second hydrated bentonite seal to surface.

Lakewood installed one sub-slab vapor sampling point (SSSG01) in the Leviton building cellar to about 3 inches below the 0.25-foot-thick concrete building slab (about 0.5 feet bgs) using a hammer drill; the Teflon-lined tubing was set with No. 2 sand and sealed to surface with hydrated bentonite.

Soil vapor and sub-slab samples were collected in general accordance with the Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York (NYSDOH October 2006). Prior to sample collection, a minimum of 0.6 liters were purged using a MultiRAE gas monitor, calibrated for a flow rate of 0.2 liters per minute (L/min). As a QA/QC measure, an inert tracer gas (helium) test was completed to verify that the sampling points were properly sealed both before and after sampling. A proper seal was achieved at all soil vapor and sub-slab vapor sampling locations.

Soil vapor and sub-slab vapor samples were collected into laboratory-supplied batch-certified clean 6-liter Summa canisters with calibrated flow controllers over a 2-hour sampling period on April 22 and 23, 2021. Air samples were submitted to York via courier service under standard chain-of-custody protocol and analyzed for VOCs by USEPA Method TO-15. Soil vapor sampling logs are included in Appendix D.

3.5 Materials Management and Site Restoration

Non-impacted soil cuttings were returned to the borehole after sampling. Temporary monitoring well, soil vapor, and sub-slab vapor sampling points were removed from the ground after sample

collection; the sample locations were backfilled with non-impacted soil cuttings and/or clean sand and capped with hydrated bentonite.

4.0 OBSERVATIONS AND RESULTS

4.1 Field Observations

Soil borings were completed to depths ranging from 16 to 28 feet bgs. Varied-colored, fine- to medium-grained sand with varying amounts of fine gravel, brick, concrete, and glass was observed immediately below the existing cover (grass) extending to about 6 to 12.5 feet bgs. From about 12.5 feet bgs and below, brown fine sand with varying amounts of medium sand, silt, gravel, and clay was encountered. At SB04, a silt layer was encountered from about 12 to 22.5 feet bgs. Bedrock was not encountered during the investigation.

Langan observed an unidentifiable odor in a black-colored native sand interval from 15 to 16 feet bgs in SB03. No PID readings were recorded above background at any soil boring location, and no visual or olfactory evidence of impacts were identified in the remaining soil borings.

Based on groundwater measurements collected from temporary monitoring wells installed during this Phase II ESI, depth to groundwater ranged from approximately 8.57 feet bgs at TMW04 to 20.94 feet bgs at TMW05. The groundwater level at TMW04 likely represents a perched groundwater condition due to the 10.5-foot-thick silt layer at the observed starting around 12 feet bgs in boring SB04.

No odors, sheen, PID readings, or non-aqueous phase liquid (NAPL) were apparent during well gauging and sampling.

4.2 Soil Sample Results

Six soil borings were advanced and one soil sample was collected from each soil boring (plus one duplicate sample). Soil samples were analyzed for the analyses listed in Section 3.2 and shown on Table 1. The results were compared to the NYSDEC Title 6 New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use (UU) and Restricted Use Restricted-Residential (RURR) Soil Cleanup Objectives (SCO). Soil sample analytical results are summarized in Table 2 and laboratory reports are included as Appendix E.

VOCs

No VOCs were detected at concentrations above the UU/RURR SCOs.

SVOCs

SVOCs were detected at concentrations above the UU and/or RURR SCOs in five of seven soil samples: SB02_0-2, SB03_14-16, SB04_2-4, SB06_1-3, and SODUP01_042221 (duplicate sample of SB06_1-3). The table below provides concentration ranges (in milligrams per kilogram [mg/kg])

of SVOCs that were detected above the UU SCOs. SVOC concentrations detected above the RURR SCOs are shown in **bold**.

Analyte	Minimum Detected Concentration Above SCO (mg/kg)	Maximum Detected Concentration Above SCO (mg/kg)	UU and RURR SCOs (mg/kg)
Benzo(a)anthracene	1.09 in SB06_1-3	26.8 in SB03_14-16	UU: 1 RURR: 1
Benzo(a)pyrene	1.05 in SB06_1-3	24.9 in SB03_14-16	UU: 1 RURR: 1
Benzo(b)fluoranthene	1.22 in SODUP01_042221	21.2 in SB03_14-16	UU: 1 RURR: 1
Benzo(k)fluoranthene	0.85 in SB06_1-3	15 in SB03_14-16	UU: 0.8 RURR: 3.9
Chrysene	1.11 in SB06_1-3	23.3 in SB03_14-16	UU: 1 RURR: 3.9
Dibenz(a,h)anthracene	0.367 in SODUP01_042221	5.39 in SB03_14-16	UU: 0.33 RURR: 0.33
Indeno(1,2,3-cd)pyrene	0.579 in SB02_0-2	14.9 in SB03_14-16	UU: 0.5 RURR: 0.5

Pesticides

Five pesticides (4,4'-DDD, 4,4'-DDE, 4-4'-DDT, alpha chlordane, and dieldrin) were detected above the UU SCOs but below the RURR SCOs in sample SB01_0-2. No pesticides were detected in sample SB02_0-2 (no other samples analyzed for pesticides).

Herbicides and PCBs

Herbicides and PCBs were not detected in samples in which they were analyzed.

Metals

Metals were detected at concentrations above the UU and/or RURR SCOs in six of seven soil samples: SB01_0-2, SB02_0-2, SB04_2-4, SB05_10-12, SB06_1-3, and SODUP01_042221 (duplicate sample of SB06_1-3). The table below provides concentration ranges of metals that

were detected above the UU SCOs. Metals concentrations detected above the RURR SCOs are shown in **bold**.

Analyte	Minimum Detected Concentration Above SCO (mg/kg)	Maximum Detected Concentration Above SCO (mg/kg)	UU and RURR SCOs (mg/kg)
Arsenic	16.1 in SB04_2-4		UU: 13 RURR: 16
Copper	58.1 in SB06_1-3	288 in SB04_2-4	UU: 50 RURR: 270
Lead	77.8 in SODUP01_042221	6,570 in SB04_2-4	UU: 63 RURR: 400
Mercury	0.229 in SB06_1-3	1.78 in SB02_0-2	UU: 0.18 RURR: 0.81
Nickel	36.3 in SB02_0-2		UU: 30 RURR: 310
Zinc	123 in SB01_0-2	1,020 in SB04_2-4	UU: 109 RURR: 10,000

4.3 Groundwater Sample Results

Three groundwater samples, including one duplicate sample, were collected and analytical results were compared to the NYSDEC Title 6 NYCRR Part 703.5 and the NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values for Class GA Water (herein collectively referenced as "NYSDEC SGVs"). Groundwater sample analytical results are summarized in Table 3 and laboratory reports are included as Appendix E.

VOCs

VOCs were not detected above the NYSDEC SGVs.

SVOCs

Six SVOCs (benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, and indeno(1,2,3)pyrene) were detected above their respective NYSDEC SGVs in groundwater sample TMW04_042221. No SVOCs were detected in the other groundwater sample.

4.4 Soil Vapor and Sub-Slab Vapor Results

The soil vapor and sub-slab vapor analytical results summary is presented in Table 4 and laboratory reports are included as Appendix E.

Soil Vapor

Two soil vapor samples, SG01_042221 and SG02_042321, were collected on April 22 and 23, 2021, respectively. Soil vapor results were compared to the minimum soil vapor concentrations at which mitigation is recommended in the NYSDOH October 2006 Guidance for Evaluating Soil Vapor Intrusion in the State of New York Decision Matrices for Sub-Slab Vapor and Indoor Air and subsequent updates (2017) (herein referred to as "NYSDOH Decision Matrices"). Concentrations were not detected above the minimum concentrations at which mitigation is recommended in the NYSDOH Decision Matrices. Total VOCs ranged from 563 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) in SG02_042321 to 915 $\mu\text{g}/\text{m}^3$ in SG01_042321, and total benzene, toluene, ethylbenzene, and xylenes (BTEX) ranged from 52.1 $\mu\text{g}/\text{m}^3$ in SG02_042321 to 99 $\mu\text{g}/\text{m}^3$ in SG01_042321.

Sub-Slab Vapor

One sub-slab vapor sample (SSSG01_042221) was collected on April 22, 2021. Sub-slab vapor sample results were compared to the minimum concentration for which monitoring or mitigation is recommended in the NYSDOH Decision Matrices. Concentrations were not detected above the minimum concentrations at which mitigation is recommended in the NYSDOH Decision Matrices. The total VOC concentration was 228 $\mu\text{g}/\text{m}^3$ and the total BTEX concentration was 82.6 $\mu\text{g}/\text{m}^3$.

5.0 CONCLUSIONS

The Phase II ESI was successful in investigating the RECs identified in the May 25, 2021 Draft Phase I ESA and in generating a limited soil, groundwater, and soil vapor dataset in support of the proposed site redevelopment. Based on review of the Phase II ESI results, we conclude the following:

- Stratigraphy: The subsurface consists of varied-colored, fine- to medium-grained sand with varying amounts of fine gravel, brick, concrete, and glass immediately below the existing cover (grass) extending to about 6 to 12.5 feet bgs. From about 12.5 feet bgs and below, brown fine sand with varying amounts of medium sand, silt, gravel, and clay was encountered. At boring SB04, a silt layer was from about 12 to 22.5 feet bgs. Bedrock was not encountered.
- Hydrogeology: Groundwater was encountered at depths ranging from approximately 8.57 feet bgs at TMW04 to 20.94 feet bgs at TMW05. The groundwater level at TMW04 likely represents a perched groundwater condition due to a 10.5-foot-thick silt layer starting at about 12 feet bgs in boring SB04.
- Geophysical Engineering Survey: One geophysical anomaly resembling a UST was identified within the landscaped area between Schenectady Avenue and the northwestern corner of the Leviton building. Soil boring and temporary monitoring well location SB05/TMW05 was advanced south-adjacent to the anomaly and no indications of a release (based on visual, olfactory, and instrumental screening and analytical results) were identified.
- Soil Analytical Results:
 - Soil contains contaminants including SVOCs, pesticides, and metals exceeding the UU and/or RURR SCOs.
 - The detected SVOCs in SB03_14-16 may be related to an unknown contaminant source, as an unidentifiable odor and black-colored sand were observed in the soil boring at this depth.
 - The pesticides exceeding the UU SCOs in sample SB01_0-2 are likely attributed to pesticide application on landscaped areas of the site.
- Groundwater Analytical Results:
 - Groundwater contains SVOCs at concentrations exceeding the NYSDEC SGVs in TMW04. The presence of SVOCs is attributed to entrained sediments in the groundwater samples derived from soil. No VOCs or SVOCs were detected at concentrations exceeding the NYSDEC SGVs in TMW05 or its duplicate sample.

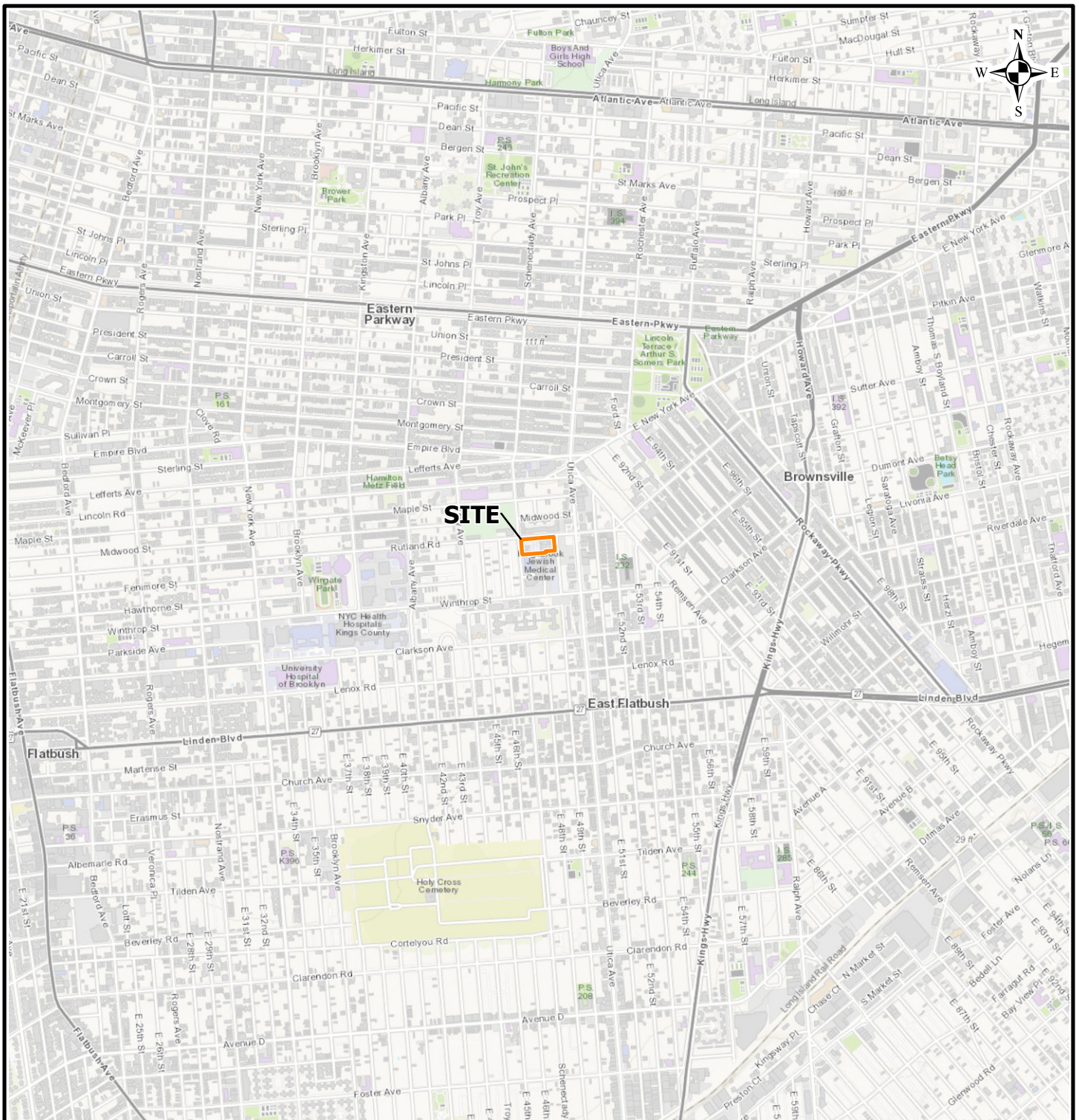
- Soil Vapor and Sub-Slab Vapor Analytical Results:
 - Soil vapor and sub-slab vapor concentrations were not detected above the minimum concentrations at which mitigation is recommended in the NYSDOH Decision Matrices.

6.0 LIMITATIONS

This Phase II ESI Report was prepared expressly for Monadnock Development, LLC for Vital Brooklyn – Sites E, F, G, and H (808 Rutland Road), Brooklyn, New York and for the objectives defined herein. Langan cannot assume responsibility for the use of this report for any property other than the specific site addressed in this report, or by any third party without specific written authorization from Langan.

The conclusions, opinions, and recommendations provided in this report are based on subsurface conditions ascertained from the analysis of a limited number of samples. Recommendations provided are contingent upon one another and no recommendation should be followed independent of the others. Actual conditions encountered may differ substantially from those presented herein and should be brought to our attention whereby we may determine how such changes may affect our conclusions, opinions and recommendations.

FIGURES



Legend

Approximate Site Boundary

Notes:

1. Site located in the Brooklyn USGS Quadrangle.
2. Topographic basemap is provided through Langan's Esri ArcGIS software licensing and ArcGIS online, National Geographic Society, i-cubed.
3. Site boundary is based on the 2020 New York GIS parcel dataset, all features shown are approximate.



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Project

VITAL BROOKLYN - SITES EFGH

BROOKLYN

KINGS COUNTY

NEW YORK

Figure Title

SITE LOCATION MAP

Project No.
170655401

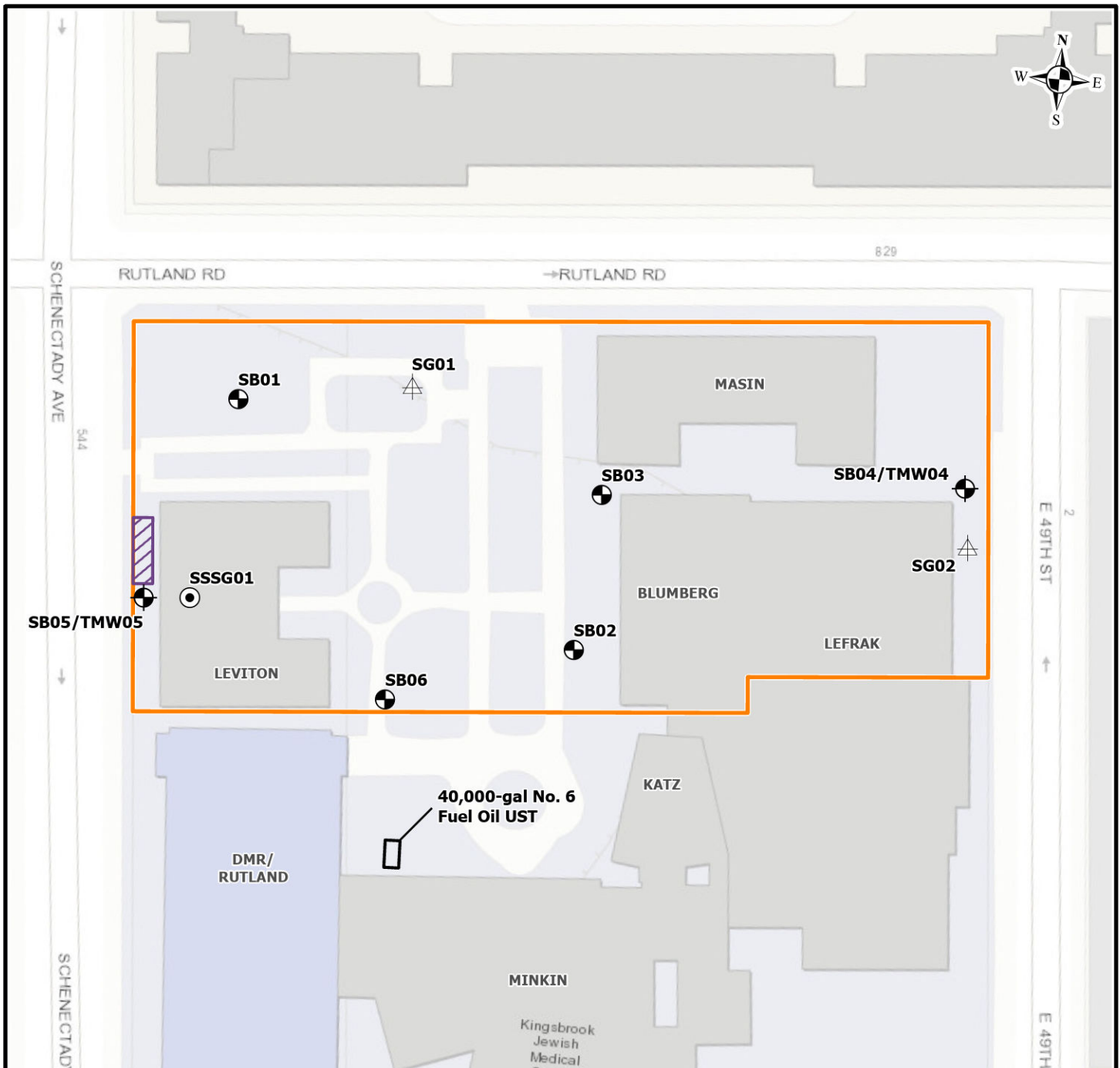
Date
5/14/2021

Scale
1" = 2,000'

Drawn By
NB

Figure

1



Notes:

1. Topographic basemap is provided through Langan's Esri ArcGIS software licensing and ArcGIS online, National Geographic Society, i-cubed.
2. Site boundary is based on the 2020 New York GIS parcel dataset, all features shown are approximate.
3. Approximate geophysical anomaly digitized from "Survey Plan" conducted by NOVA Geophysical Services, dated 4/21/2021.
4. UST = Underground Storage Tank
5. During the 2021 Phase I Environmental Site Assessment (ESA) site reconnaissance, the project manager of Kingsbrook Jewish Medical Center indicated that the 40,000-gallon No. 6 fuel oil UST is no longer in use. However, the contents have not been removed and the tank has not been formally closed.



Legend

- Approximate Collocated Soil Boring and Temporary Monitoring Well Location
- Approximate Soil Boring Location
- Approximate Soil Vapor Sample Location
- Approximate Sub-Slab Soil Vapor Sample Location
- Approximate Location of Geophysical Anomaly (UST)
- Approximate Site Boundary

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Project

VITAL BROOKLYN - SITES EFGH

BROOKLYN

KINGS COUNTY

NEW YORK

Figure Title

SAMPLE LOCATION MAP

Project No.

170655401

Date

5/24/2021

Scale

1" = 80'

Drawn By

NB

Figure

2

TABLES

Table 1
Phase II Environmental Site Investigation Report
Sample Summary

Vital Brooklyn - Sites EFGH
Brooklyn, New York
Langan Project No.: 170655401

Sample Location	Sample ID	Sample Depth/ Screened Interval (feet bgs)	Sample Date	Analyses
SOIL SAMPLES				
SB01	SB01_0-2	0-2	4/22/2021	Part 375/TCL VOCs, SVOCs, Pesticides, Herbicides, PCBs, Part 375/TAL Metals
SB02	SB02_0-2	0-2	4/22/2021	Part 375/TCL VOCs, SVOCs, Pesticides, Herbicides, PCBs, Part 375/TAL Metals
SB03	SB03_14-16	14-16	4/22/2021	Part 375/TCL VOCs, SVOCs, PCBs, Part 375/TAL Metals
SB04	SB04_2-4	2-4	4/22/2021	Part 375/TCL VOCs, SVOCs, PCBs, Part 375/TAL Metals
SB05	SB05_10-12	10-12	4/22/2021	Part 375/TCL VOCs, SVOCs, PCBs, Part 375/TAL Metals
SB06	SB06_1-3	1-3	4/22/2021	Part 375/TCL VOCs, SVOCs, PCBs, Part 375/TAL Metals
	SODUP01_042221	1-3	4/22/2021	Part 375/TCL VOCs, SVOCs, PCBs, Part 375/TAL Metals
GROUNDWATER SAMPLES				
TMW04	TMW04_042221	12-22	4/22/2021	Part 375/TCL VOCs and SVOCs
TMW05	TMW05_042221	18-28	4/22/2021	
	GWDUP01_042221	18-28	4/22/2021	
SOIL VAPOR SAMPLES (EXTERIOR)				
SG01	SG01_042221	15	4/22/2021	TO-15 VOCs
SG02	SG02_042321	8	4/23/2021	TO-15 VOCs
SUB-SLAB SOIL VAPOR SAMPLE (INTERIOR)				
SSSG-01	SSSG01_042221	0.5	4/22/2021	TO-15 VOCs

Notes:

1. Part 375 = New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375
2. TCL = Target Compound List
3. TAL = Target Analyte List
4. bgs = below grade surface
5. PCBs = polychlorinated biphenyls
6. VOCs = Volatile Organic Compounds
7. SVOCs = Semivolatile Organic Compounds
8. TO-15 = Compendium Method TO-15 used to determine toxic organic compounds in soil vapor, indoor air, and ambient air samples

Table 2
Phase II Environmental Site Investigation Report
Soil Sample Analytical Results Summary

Vital Brooklyn - Sites EFGH
Brooklyn, New York
Langan Project No.: 170655401

Location Sample ID Laboratory ID Sample Date Sample Depth (feet bgs)	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Restricted Use Restricted- Residential SCOs	SB01 SB01_0-2 21D1065-01 4/22/2021 0-2	SB02 SB02_0-2 21D1065-03 4/22/2021 0-2	SB03 SB03_14-16 21D1065-06 4/22/2021 14-16	SB04 SB04_2-4 21D1065-07 4/22/2021 2-4	SB05 SB05_10-12 21D1065-09 4/22/2021 10-12	SB06 SB06_1-3 21D1065-11 4/22/2021 1-3	SB06 SODUP01_042221 21D1065-13 4/22/2021 1-3
Volatile Organic Compounds (mg/kg)									
Acetone	0.05	100	0.0056 U	0.01	0.011	0.0047 U	0.0071 J	0.005 U	0.0042 U
Methyl Acetate	~	~	0.0028 U	0.038	0.0037	0.0023 U	0.013	0.0025 U	0.0021 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.0028 U	0.0024 U	0.004	0.0023 U	0.0025 U	0.0025 U	0.0021 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	~	~	0.0028 U	0.0024 U	0.0017 J	0.0023 U	0.0025 U	0.0025 U	0.0021 U
Toluene	0.7	100	0.0028 U	0.0024 U	0.0019 J	0.0023 U	0.0025 U	0.0025 U	0.0021 U
Total BTEX	~	~	ND	ND	0.0019	ND	ND	ND	ND
Total VOCs	~	~	ND	0.048	0.0223	ND	0.0201	ND	ND
Semivolatile Organic Compounds (mg/kg)									
2-Methylnaphthalene	~	~	0.0466 U	0.0455 U	0.468 D	0.434 D	0.0463 U	0.0805 JD	0.0792 JD
4-Nitroaniline	~	~	0.0929 U	0.0907 U	0.094 U	0.979 D	0.0924 U	0.0883 U	0.0869 U
Acenaphthene	20	100	0.0466 U	0.0455 U	4.93 D	0.852 D	0.0463 U	0.198 D	0.198 D
Acenaphthylene	100	100	0.0466 U	0.115 D	0.216 D	0.267 D	0.0463 U	0.0819 JD	0.135 D
Anthracene	100	100	0.0929 D	0.186 D	19.9 D	4.35 D	0.0657 JD	0.489 D	0.537 D
Benzo(a)anthracene	1	1	0.309 D	0.753 D	26.8 D	6.92 D	0.192 D	1.09 D	1.43 D
Benzo(a)pyrene	1	1	0.312 D	0.806 D	24.9 D	6.11 D	0.189 D	1.05 D	1.42 D
Benzo(b)fluoranthene	1	1	0.265 D	0.661 D	21.2 D	5.12 D	0.15 D	0.874 D	1.22 D
Benzo(g,h,i)Perylene	100	100	0.213 D	0.637 D	14.9 D	4.08 D	0.134 D	0.731 D	1.04 D
Benzo(k)fluoranthene	0.8	3.9	0.268 D	0.654 D	15 D	4.69 D	0.155 D	0.85 D	1.19 D
Benzyl Butyl Phthalate	~	~	0.0466 U	0.0455 U	0.0471 U	0.045 U	0.304 D	0.0443 U	0.0436 U
Biphenyl (Diphenyl)	~	~	0.0466 U	0.0455 U	0.31 D	0.183 D	0.0463 U	0.0443 U	0.0436 U
Bis(2-ethylhexyl) phthalate	~	~	0.128 D	0.0455 U	0.0471 U	0.045 U	0.085 JD	0.0443 U	0.0436 U
Carbazole	~	~	0.0466 U	0.0455 U	4.47 D	1.37 D	0.0463 U	0.204 D	0.299 D
Chrysene	1	3.9	0.313 D	0.791 D	23.3 D	6.29 D	0.177 D	1.11 D	1.4 D
Dibenz(a,h)anthracene	0.33	0.33	0.0617 JD	0.189 D	5.39 D	1.35 D	0.0463 U	0.24 D	0.367 D
Dibenzofuran	7	59	0.0466 U	0.0455 U	5.06 D	1.38 D	0.0463 U	0.114 D	0.146 D
Fluoranthene	100	100	0.612 D	1.18 D	81.6 D	19.8 D	0.346 D	2.31 D	2.75 D
Fluorene	30	100	0.0466 U	0.0455 U	7.18 D	0.821 D	0.0463 U	0.204 D	0.201 D
Indeno(1,2,3-cd)pyrene	0.5	0.5	0.218 D	0.579 D	14.9 D	4.06 D	0.133 D	0.686 D	1.05 D
Naphthalene	12	100	0.0466 U	0.0455 U	0.357 D	0.574 D	0.0463 U	0.0819 JD	0.136 D
Phenanthrene	100	100	0.348 D	0.605 D	79 D	20.5 D	0.264 D	2.04 D	2.2 D
Pyrene	100	100	0.551 D	1.31 D	65 D	15 D	0.295 D	2.09 D	2.5 D
Pesticides (mg/kg)									
4,4'-DDD	0.0033	13	0.0133 D	0.00181 U	NA	NA	NA	NA	NA
4,4'-DDE	0.0033	8.9	0.0535 D	0.00181 U	NA	NA	NA	NA	NA
4,4'-DDT	0.0033	7.9	0.0392 D	0.00181 U	NA	NA	NA	NA	NA
Alpha Chlordane	0.094	4.2	0.163 D	0.00181 U	NA	NA	NA	NA	NA
Chlordane (alpha and gamma)	~	~	0.597 D	0.0363 U	NA	NA	NA	NA	NA
Dieldrin	0.005	0.2	0.00981 D	0.00181 U	NA	NA	NA	NA	NA
Gamma-Chlordane	~	~	0.059 D	0.00181 U	NA	NA	NA	NA	NA
Herbicides (mg/kg)									
	~	~	ND	ND	NA	NA	NA	NA	NA
Polychlorinated Biphenyls (mg/kg)									
	~	~	ND	ND	ND	ND	ND	ND	ND
Inorganics (mg/kg)									
Aluminum	~	~	8,430	8,130	10,800	5,140	5,330	4,810	4,450
Antimony	~	~	2.83 U	2.76 U	2.87 U	63.2	2.82 U	2.69 U	2.65 U
Arsenic	13	16	6.84	5	1.72 U	16.1	4.82	9.1	3.78
Barium	350	400	70.2	165	45	319	45.7	112	64.9
Cadmium	2.5	4.3	0.647	0.514	0.344 U	2.46	0.338 U	0.448	0.318 U
Calcium	~	~	2,770 B	48,500 B	2,800 B	8,880 B	4,000 B	9,210 B	3,660 B
Chromium, Total	30	180	21.1	14.5	17.6	13.7	16.9	11.4	10.6
Cobalt	~	~	4.67	6.02	7.41	6.83	4.62	4.95	4.45
Copper	50	270	37.3	78.7	14.1	288	25	58.1	41.5
Iron	~	~	12,300	15,300	20,300	65,500	11,400	16,200	13,700
Lead	63	400	160	167	21.6	6,570	78.9	142	77.8
Magnesium	~	~	1,930	3,260	3,120	2,020	1,710	5,490	2,530
Manganese	1,600	2,000	181	328	185	462	232	185	209
Mercury	0.18	0.81	0.498	1.78	0.0983	0.943	0.162	0.229	0.129
Nickel	30	310	17.8	36.3	13.6	19.7	16.5	16.5	11.8
Potassium	~	~	671	971	2,720	945	875	509	735
Sodium	~	~	56.6 U	172	78.5	137	124	115	81
Vanadium	~	~	37.7	24.1	26.7	17.9	21.5	20.5	18.9
Zinc	109	10,000	123	245	35.9	1,020	92.2	154	75.7
General Chemistry (%)									
Solids, Percent	~	~	88.3	90.4	87.2	91.3	88.8	92.9	94.4

Notes provided on Page 2.
Concentrations above Unrestricted Use SCOs are bolded.
Concentrations above Restricted Use Restricted-Residential SCOs are shaded.

Table 2
Phase II Environmental Site Investigation Report
Soil Sample Analytical Results Summary

Vital Brooklyn - Sites EFGH
Brooklyn, New York
Langan Project No.: 170655401

Notes:

1. Soil sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use and Restricted Use Restricted-Residential Soil Cleanup Objectives (SCO).
2. Criterion comparisons for total chromium are provided for reference. Promulgated SCOs shown are for trivalent chromium.
3. Only detected analytes are shown in the table.
4. Detected analytical results above Unrestricted Use SCOs are bolded.
5. Detected analytical results above Restricted Use Restricted-Residential SCOs are shaded.
6. Sample SODUP01_042221 is a duplicate sample of SB06_1-3.
7. ~ = Regulatory limit for this analyte does not exist
8. bgs = below grade surface
9. mg/kg = milligrams per kilogram
10. % = percent
11. NA = Not analyzed
12. ND = Not detected
13. Total BTEX = sum of detected concentrations of benzene, toluene, ethylbenzene, and total xylenes
14. Total VOCs = sum of detected volatile organic compounds (VOC)

Qualifiers:

- D = The concentration reported is a result of a diluted sample.
- J = The analyte was detected above the Method Detection Limit (MDL), but below the Reporting Limit (RL); therefore, the result is an estimated concentration.
- U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL; the value shown in the table is the RL.
- B = The analyte was found in the associated analysis batch blank.

Table 3
Phase II Environmental Site Investigation Report
Groundwater Sample Analytical Results Summary

Vital Brooklyn - Sites EFGH
Brooklyn, New York
Langan Project No.: 170655401

Location Sample ID Laboratory ID Sample Date	NYSDEC SGVs	TMW04 TMW04_042221 21D1068-02 4/22/2021	TMW05 TMW05_042221 21D1068-01 4/22/2021	TMW05 GWDUP01_042221 21D1068-03 4/22/2021
Volatile Organic Compounds (µg/L)				
Acetone	50	1.9 J	1 U	1 U
Chloroform	7	3.48	0.2 U	0.2 U
Tetrachloroethene (PCE)	5	0.2 U	0.21 J	0.21 J
Total BTEX	~	ND	ND	ND
Total VOCs	~	5.38	0.21	0.21
Semivolatile Organic Compounds (µg/L)				
Acenaphthene	20	0.149	0.0513 U	0.0526 U
Anthracene	50	0.126	0.0513 U	0.0526 U
Benzo(a)anthracene	0.002	0.183	<i>0.0513</i> U	<i>0.0526</i> U
Benzo(a)pyrene	0	0.217	<i>0.0513</i> U	<i>0.0526</i> U
Benzo(b)fluoranthene	0.002	0.171	<i>0.0513</i> U	<i>0.0526</i> U
Benzo(g,h,i)Perylene	~	0.149	0.0513 U	0.0526 U
Benzo(k)fluoranthene	0.002	0.183	<i>0.0513</i> U	<i>0.0526</i> U
Chrysene	0.002	0.206	<i>0.0513</i> U	<i>0.0526</i> U
Fluoranthene	50	0.537	0.0513 U	0.0526 U
Fluorene	50	0.0571	0.0513 U	0.0526 U
Indeno(1,2,3-cd)pyrene	0.002	0.126	<i>0.0513</i> U	<i>0.0526</i> U
Naphthalene	10	0.137	0.0513 U	0.0526 U
Phenanthrene	50	0.549	0.0513 U	0.0526 U
Pyrene	50	0.423	0.0513 U	0.0526 U

Notes:

- Groundwater sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules and Regulations (NYCRR) Part 703.5 and the NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values for Class GA Water (herein collectively referenced as "NYSDEC SGVs").
- Only detected analytes are shown in the table.
- Detected analytical results above NYSDEC SGVs are bolded and shaded.
- Analytical results with reporting limits (RL) above NYSDEC SGVs are italicized.
- Sample GWDUP01_042221 is a duplicate sample of TMW05_042221.
- ~ = Regulatory limit for this analyte does not exist
- µg/L = micrograms per liter
- ND = Not detected
- Total BTEX = sum of detected concentrations of benzene, toluene, ethylbenzene, and total xylenes
- Total VOCs = sum of detected volatile organic compounds (VOC)

Qualifiers:

J = The analyte was detected above the Method Detection Limit (MDL), but below the RL; therefore, the result is an estimated concentration.

U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL; the value shown in the table is the RL.

Table 4
Phase II Environmental Site Investigation Report
Soil Vapor and Sub-Slab Vapor Sample Analytical Results Summary

Vital Brooklyn - Sites EFGH
Brooklyn, New York
Langan Project No.: 170655401

Location Sample ID Laboratory ID Sample Date Sample Type	NYSDOH Decision Matrices Minimum Concentrations	SG01 SG01_042221 21D1067-01 4/22/2021 SV	SG02 SG02_042321 21D1144-01 4/23/2021 SV	SSSG01 SSSG01_042221 21D1067-02 4/22/2021 SSV
Volatile Organic Compounds (µg/m³)				
1,1,1-Trichloroethane	100	4.1 U	0.88 U	1.5 D
1,1-Dichloroethene	6	0.88 D	0.16 U	0.16 U
1,2,4-Trimethylbenzene	~	6.6 D	7.4 D	15 D
1,3,5-Trimethylbenzene (Mesitylene)	~	3.7 U	1.8 D	3.3 D
1,3-Butadiene	~	36 D	1.8 D	1.1 U
4-Ethyltoluene	~	11 D	10 D	17 D
Acetone	~	21 D	15 D	6.6 D
Benzene	~	11 D	6.4 D	0.58 D
Carbon Disulfide	~	3.9 D	1.5 D	0.52 U
Carbon Tetrachloride	6	1.2 U	0.71 D	0.42 D
Chloroform	~	3.6 U	160 D	11 D
Chloromethane	~	1.5 U	0.33 U	0.51 D
Cyclohexane	~	6.1 D	9.3 D	13 D
Dichlorodifluoromethane	~	3.7 U	1.9 D	2.2 D
Ethylbenzene	~	11 D	5.5 D	12 D
Isopropanol	~	3.7 U	2.8 D	7.4 D
M,P-Xylene	~	32 D	19 D	43 D
Methyl Ethyl Ketone (2-Butanone)	~	5.9 D	2.2 D	1.3 D
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	~	3 U	0.66 U	0.95 D
Methyl Methacrylate	~	3 U	7.2 D	1.6 D
Methylene Chloride	100	22 D	26 D	5.9 D
n-Heptane	~	16 D	96 D	1.2 D
n-Hexane	~	31 D	110 D	0.82 D
o-Xylene (1,2-Dimethylbenzene)	~	10 D	6.2 D	13 D
Propylene	~	610 D	0.28 U	3.2 D
Styrene	~	3.2 D	2.3 D	3 D
Tetrachloroethene (PCE)	100	42 D	53 D	47 D
Tetrahydrofuran	~	4.4 U	0.96 U	1.2 D
Toluene	~	35 D	15 D	14 D
Trichloroethene (TCE)	6	1 U	0.52 D	0.22 U
Trichlorofluoromethane	~	4.2 U	1.2 D	1.4 D
Total BTEX	~	99	52.1	82.6
Total VOCs	~	915	563	228

Notes:

1. Soil vapor and sub-slab vapor sample analytical results are compared to the minimum soil vapor concentrations at which mitigation is recommended as set forth in the New York State Department of Health (NYSDOH) October 2006 Guidance for Evaluating Soil Vapor Intrusion in the State of New York Decision Matrices for Sub-Slab Vapor and Indoor Air and subsequent updates (2017).
2. Only detected analytes are shown in the table.
3. ~ = Regulatory limit for this analyte does not exist
4. µg/m³ = micrograms per cubic meter
5. SV = Soil Vapor
6. SSV = Sub-slab Soil Vapor
7. Total BTEX = sum of detected concentrations of benzene, toluene, ethylbenzene, and total xylenes
8. Total VOCs = sum of detected volatile organic compounds (VOC)

Qualifiers:

- D = The concentration reported is a result of a diluted sample.
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the Reporting Limit (RL); the value shown in the table is the RL.

APPENDIX A

Geophysical Survey Report

GEOPHYSICAL ENGINEERING SURVEY REPORT

Kingsbrook Jewish Medical Center
585 Schenectady Avenue,
Brooklyn, New York 11203

NOVA PROJECT NUMBER:

21-2220

DATED:

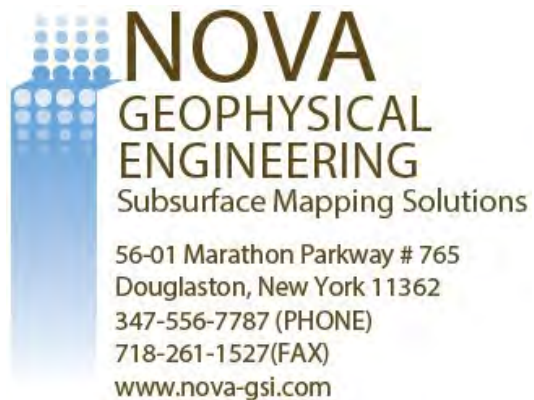
April 27, 2021

PREPARED FOR:

LANGAN

21 Penn Plaza
360 West 31st Street, 8th Floor
New York, New York 10001-2727

PREPARED BY:



NOVA GEOPHYSICAL SERVICES

SUBSURFACE MAPPING SOLUTIONS

56-01 Marathon Parkway #765, Douglaston, New York 11362
Ph. 347-556-7787 Fax. 718-261-1527
www.novagsi.com

April 27, 2021

Paul McMahon, P.E.
Senior Project Manager

LANGAN

21 Penn Plaza
360 West 31st Street, 8th Floor
New York, New York 10001-2727
P: 212.479.5451 | E: pmcmahon@langan.com

Re: Geophysical Engineering Survey (GES) Report
Kingsbrook Jewish Medical Center
585 Schenectady Avenue,
Brooklyn, New York 11203

Dear Mr. McMahon,

Nova Geophysical Services (NOVA) is pleased to provide the findings of the geophysical engineering survey (GES) at the above referenced project site: 585 Schenectady Avenue, Brooklyn, New York 11203 (the "Site").

INTRODUCTION TO GEOPHYSICAL ENGINEERING SURVEY (GES)

NOVA performed a geophysical engineering survey (GES) consisting of a Ground Penetrating Radar (GPR) and Electromagnetic (EM) survey at the site. The purpose of this survey is to locate and identify utilities, underground storage tanks and other substructures within the vicinity of proposed boring locations on April 21st, 2021.

The equipment selected for this investigation was a GSSI UtilityScan 350 MHz ground penetrating radar (GPR) with a shielded antenna and a Radio Detection RD7100 Electromagnetic utility locator.

A GPR system consists of a radar control unit, control cable, and transducer (antenna). The control unit transmits a trigger pulse at a normal repetition rate of 350 MHz. The trigger pulse is sent to the transmitter electronics in the transducer via the control cable. The transmitter electronics amplify the trigger pulse into bipolar pulses that are radiated to the surface. The transformed pulses vary in shape and frequency according to the transducer used. In the subsurface, variations of the signal occur at boundaries where there is a dielectric contrast (void, steel, soil type, etc.). Signal reflections travel back to the control unit and are represented as color graphic images for interpolation.

A typical electromagnetic (EM) utility locating system consists of a transmitter unit and a receiver unit. The receiver unit can be used independently of the transmitter unit in order to detect utility lines with an inherent EM signature (electric utility lines, water lines, etc.). If needed a current at a specific frequency can also be placed on a utility that is being located. This can be done via the transmitter unit by either direct connection or induction via an EM field varying at specific frequency. The receiver unit is then set to the selected frequency and the electromagnetic field created by the current running through the utility can be located allowing the utility to be marked.

GEOPHYSICAL METHODS

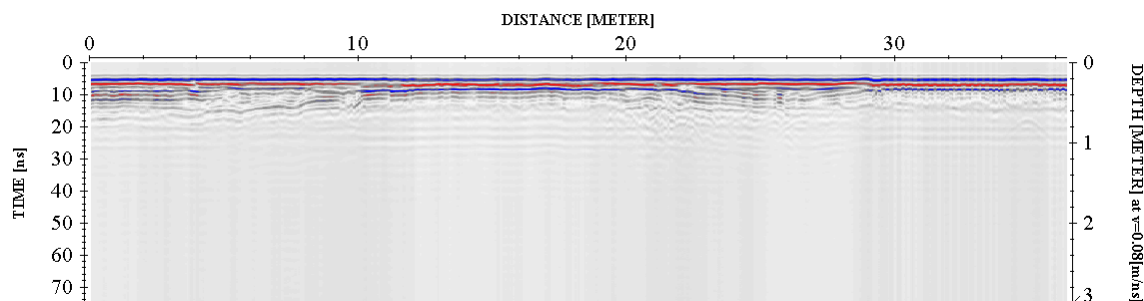
The project site was screened using GPR to search the specified area and inspected for reflections, which could be indicative of substructures and utilities within the subsurface. An EM utility locator was used to help determine the locations of utilities within the survey area.

EM data was collected and interpreted on site and suspected utilities marked as needed. GPR data profiles were collected for the areas of the Site specified by the client and processed as specified below.

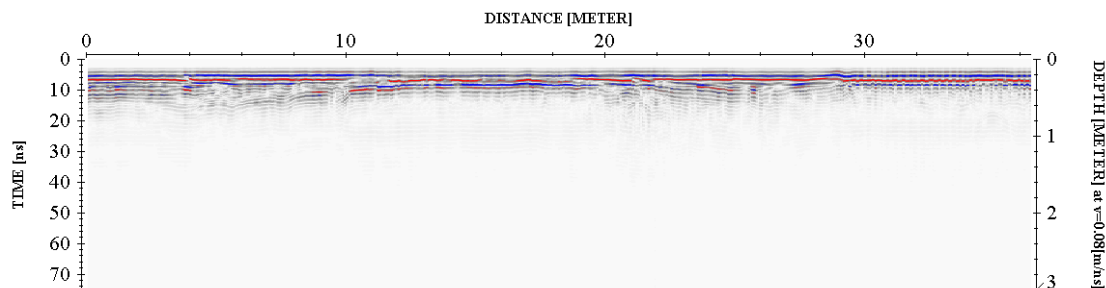
DATA PROCESSING

In order to improve the quality of the results and to better identify anomalies NOVA processed the collected data. The processing work flow is briefly described in this section.

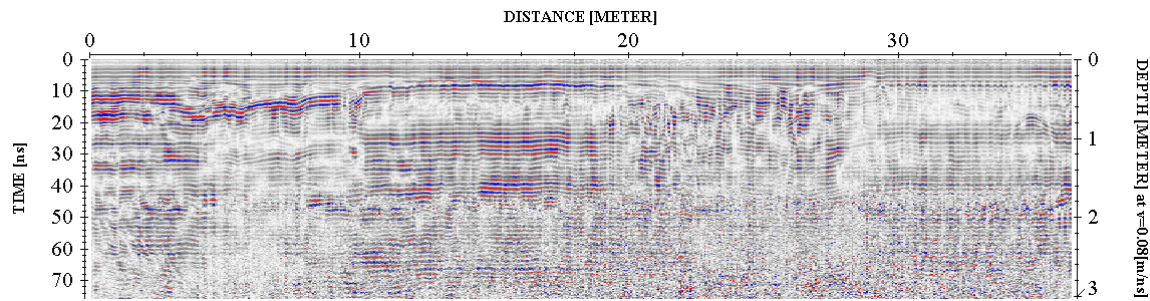
Step 1. Import Raw RAMAC data to standard processing format



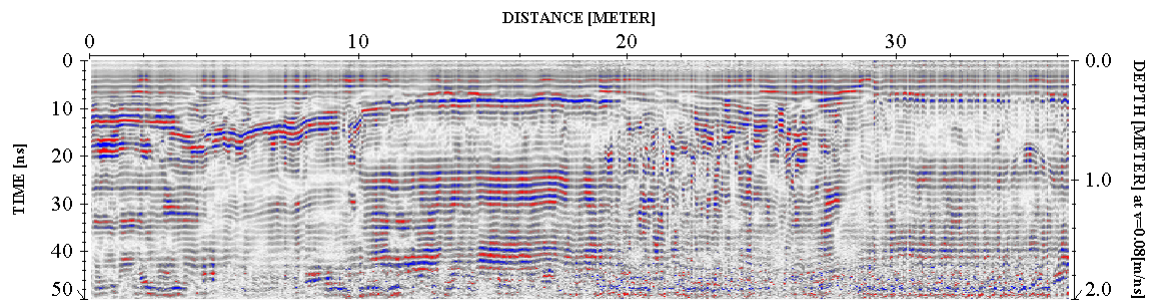
Step 2. Remove instrument noise (dewow)



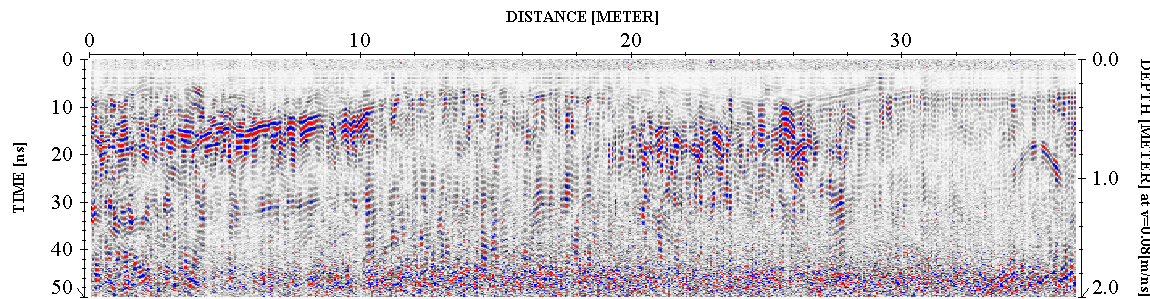
Step 3. Correct for attenuation losses (*energy decay function*)



Step 4. Remove static from bottom of profile (*time cut*)



Step 5. Mute horizontal ringing/noise (*subtracting average*)



The above example shows the significance of data processing. The last image (step 5) has higher resolution than the starting image (raw data – step 1) and represents the subsurface anomalies much more accurately.

PHYSICAL SETTINGS

NOVA observed the following physical conditions at the time of the survey.

Weather: Partly Cloudy, Rain

Temperature: 55° F

Surface: Concrete, Asphalt, Vegetation

Survey Parameters: A GPR grid scan was conducted in the vicinity of proposed boring locations, as shown in the survey plan. The approximate line spacing of the grid survey was approximately 2'-3'. Additional GPR lines were collected in the vicinity of features of interest. An EM utility locator was used in conjunction with the GPR throughout the surveyed areas.

Limitations: The geophysical noise level (GNL) was high at the site. The noise was a result of the site being in an urban environment and other anthropogenic noise sources.

RESULTS

The results of the geophysical engineering survey (GES) identified the following at the project site:

- Anomalies resembling potential subsurface utilities (such as electric and water) were identified during the GES. Additional anomalies resembling potential subsurface utilities were identified but could not be associated with known utilities at the time of the GES. The approximate locations are shown in the survey plan.
- A large geophysical anomaly resembling a potential underground storage tank (UST) was identified during the GES.
- All detected subsurface anomalies were marked in the onsite mark out.
- All cleared boring locations are shown in the survey plan.

If you have any questions, please do not hesitate to contact the undersigned.

Sincerely,

NOVA Geophysical Services



Levent Eskicakit, P.G., E.P.

Project Engineer

Attachments:

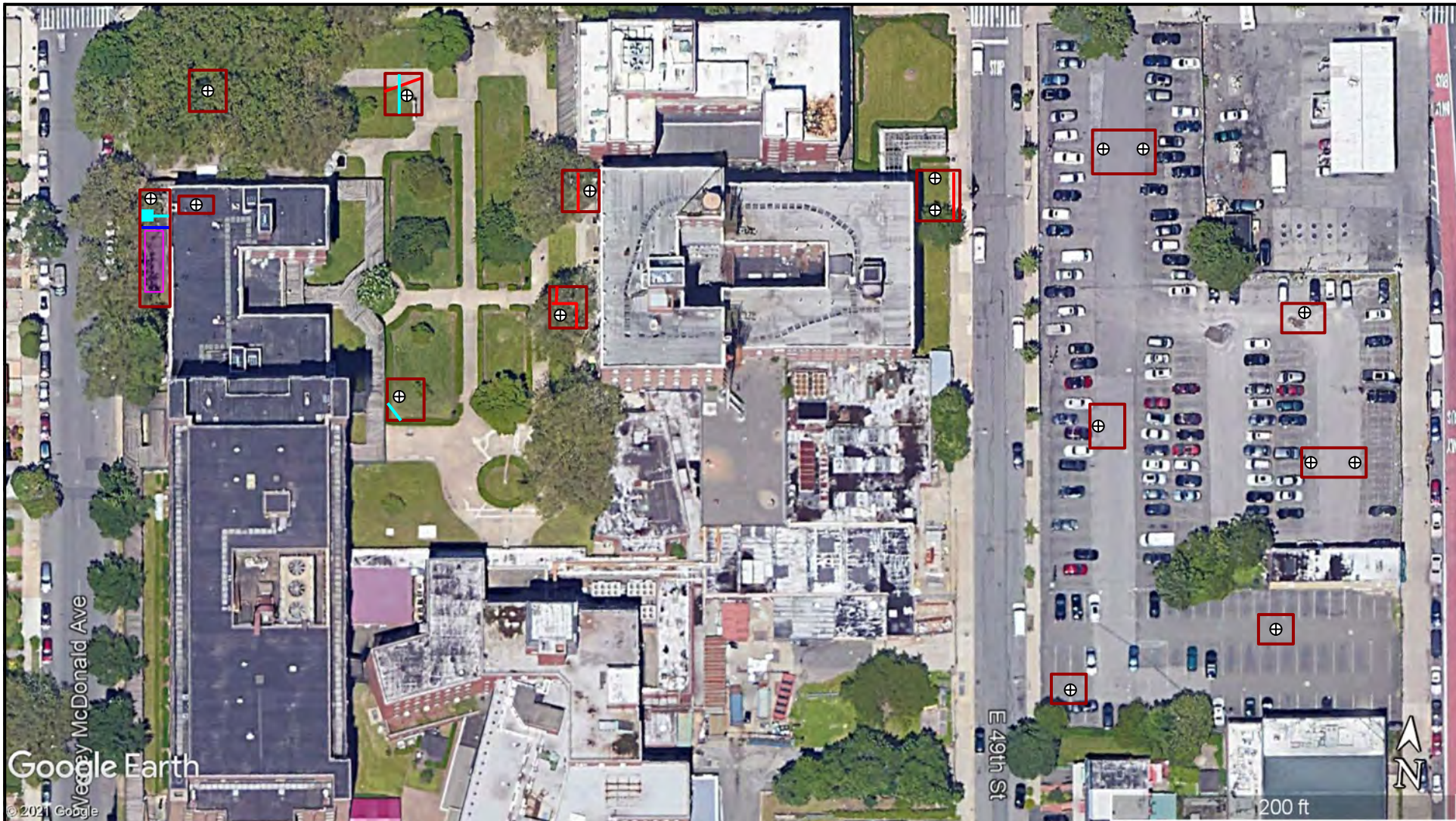
Location Map

Survey Plan

Geophysical Images



	Location Map	LEGEND
NOVA Geophysical Services Subsurface Mapping Solutions 56-01 Marathon Parkway, # 765 Douglaston, New York 11362 Phone (347) 556-7787 * Fax (718) 261-1527 www.novagsi.com	SITE: Kingsbrook Jewish Medical Center 585 Schenectady Avenue, Brooklyn, New York 11203 CLIENT: Langan DATE: April 21st, 2021 AUTH: Chris Steinley	



	SURVEY PLAN	LEGEND
NOVA Geophysical Services Subsurface Mapping Solutions 56-01 Marathon Parkway, # 765 Douglaston, New York 11362 Phone (347) 556-7787 * Fax (718) 261-1527 www.novagsi.com	SITE: Kingsbrook Jewish Medical Center 585 Schenectady Avenue, Brooklyn, New York 11203 CLIENT: Langan DATE: April 21st, 2021 AUTH: Chris Steinley	 Survey Area / Unknown / Water / Electric Anomaly (UST) ⊕ Boring

GEOFYSICAL IMAGES
Kingsbrook Jewish Medical center
585 Schenectady Avenue,
Brooklyn, New York 11203
April 21st, 2021



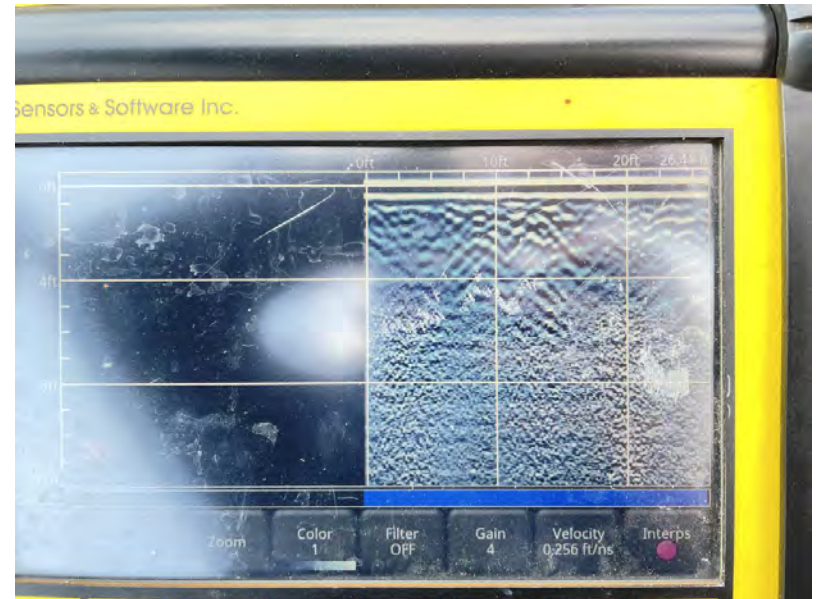
GEOPHYSICAL IMAGES
Kingsbrook Jewish Medical center
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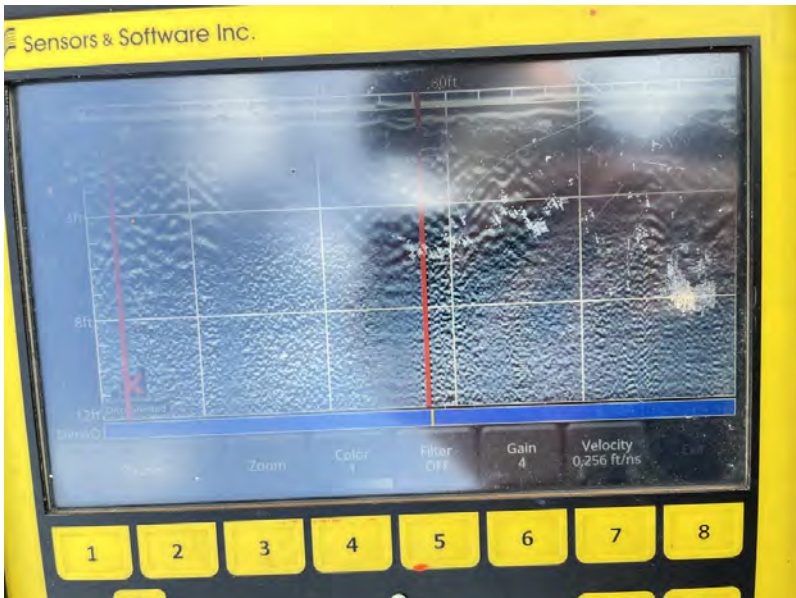
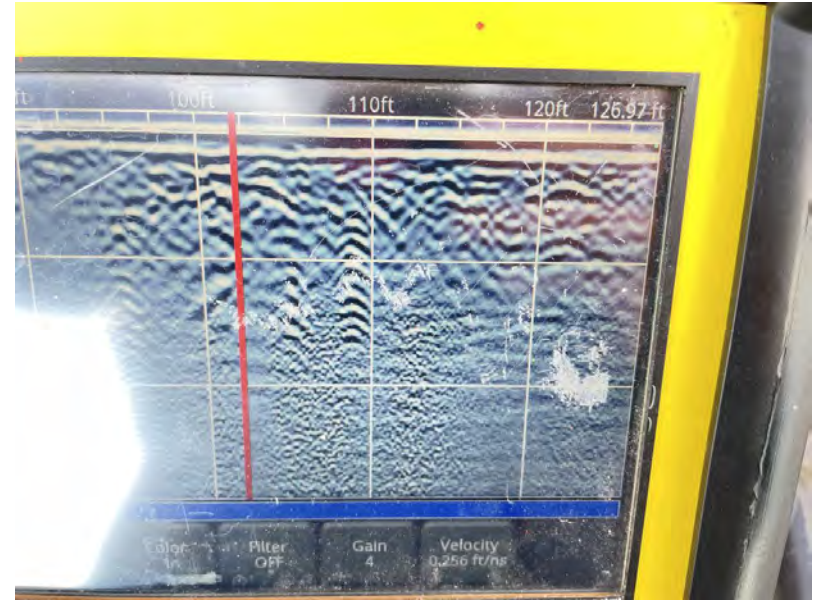
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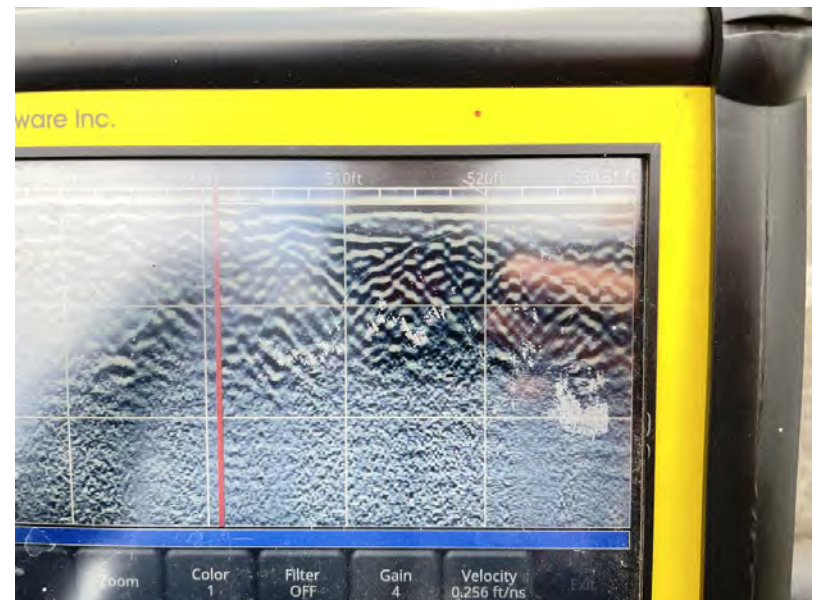
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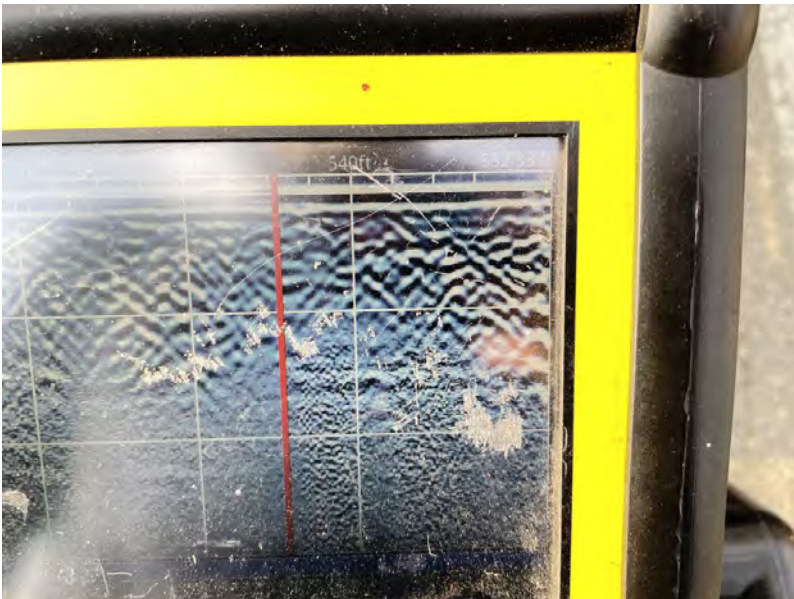
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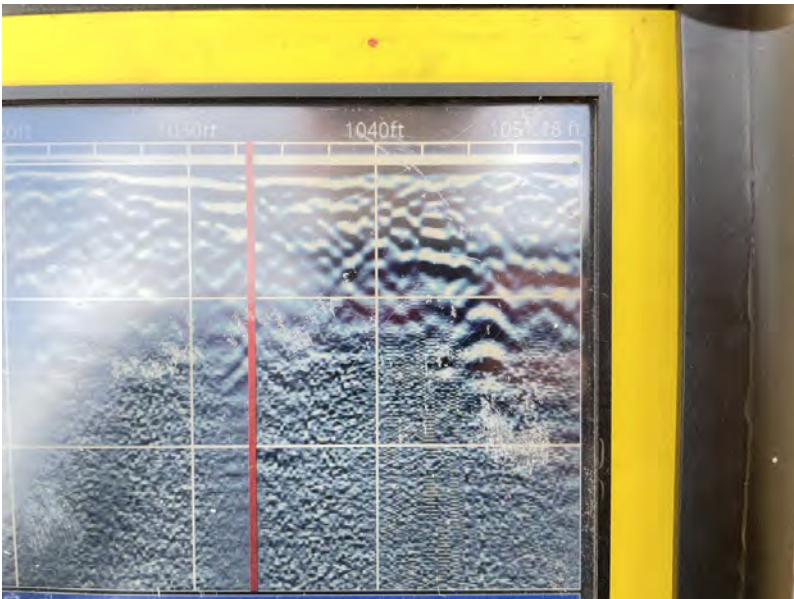
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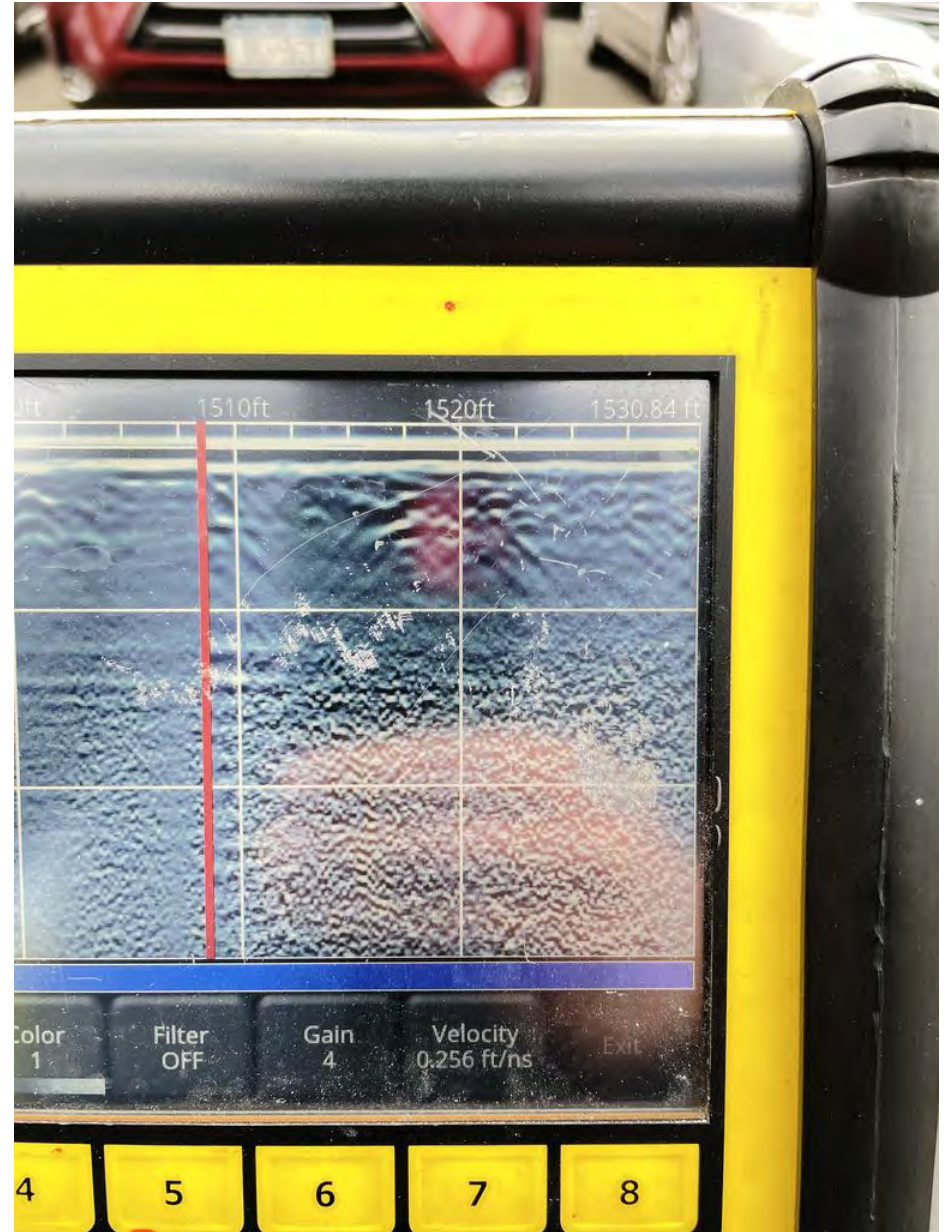
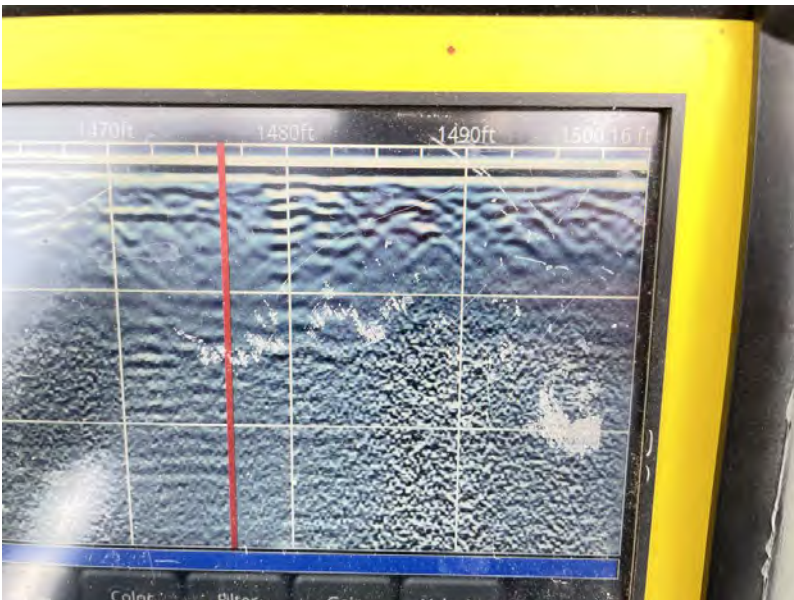
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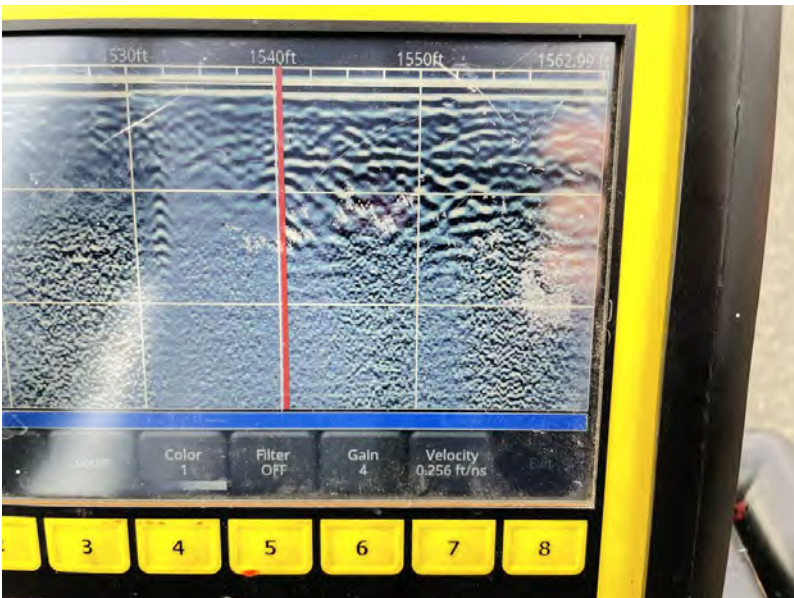
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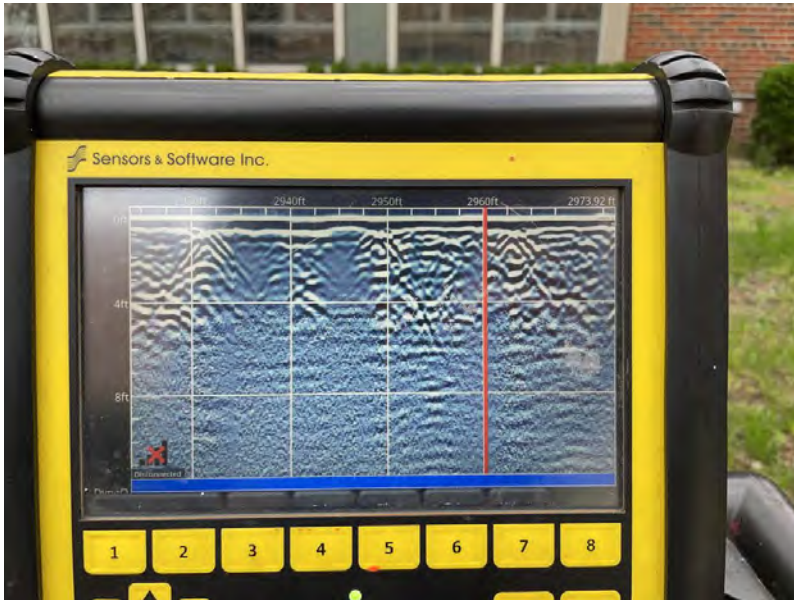
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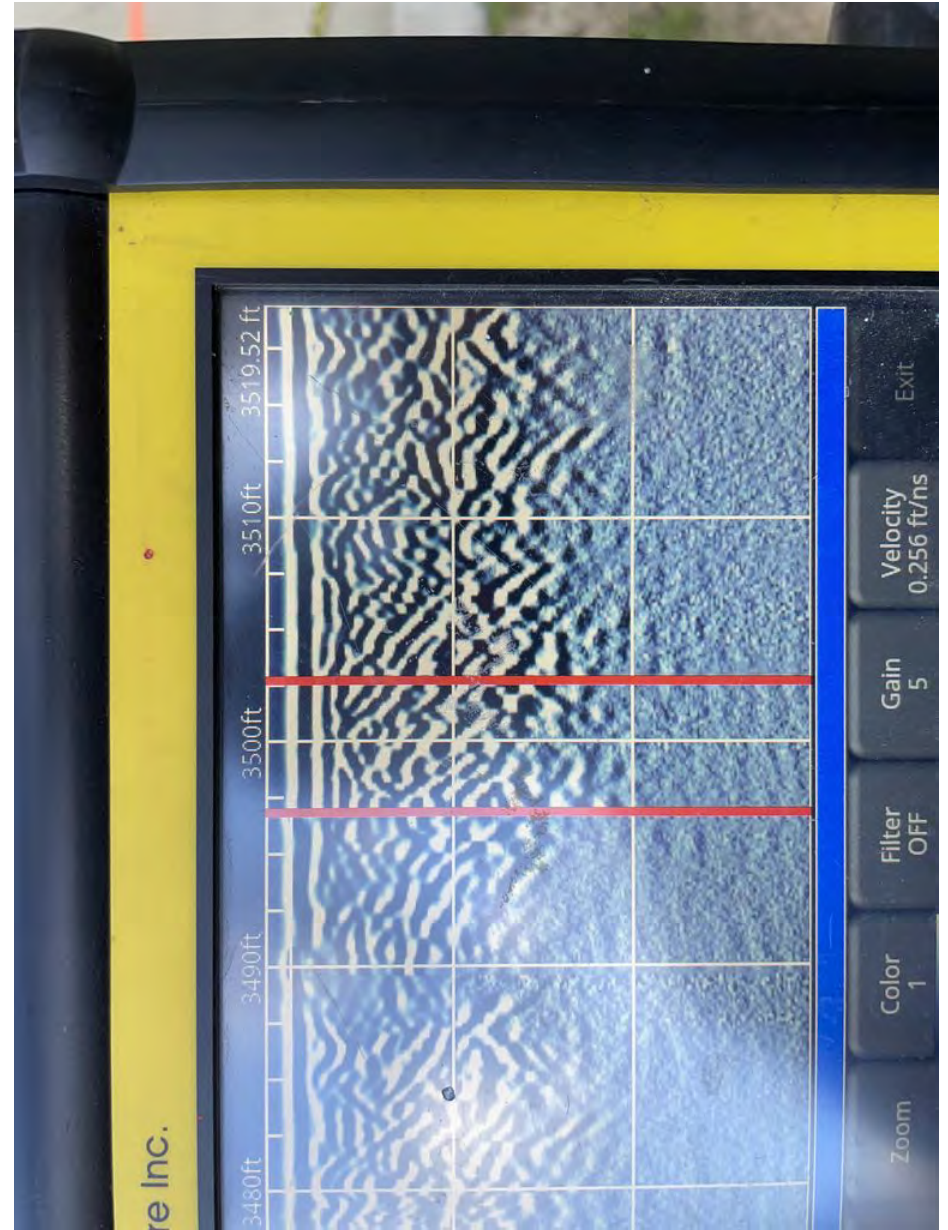
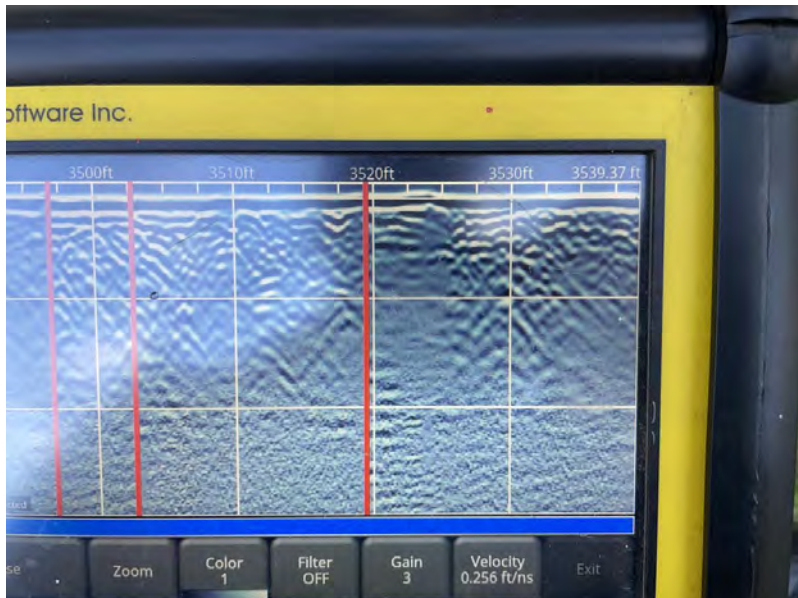
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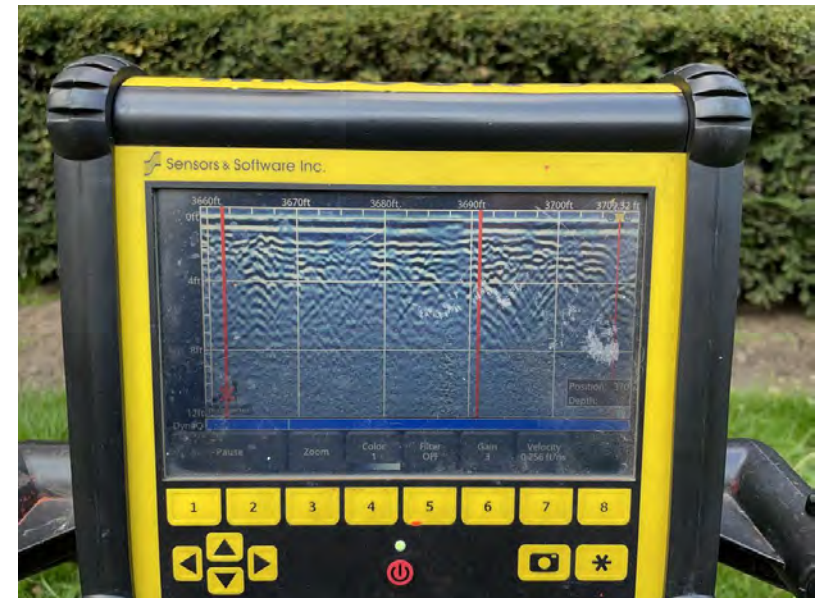
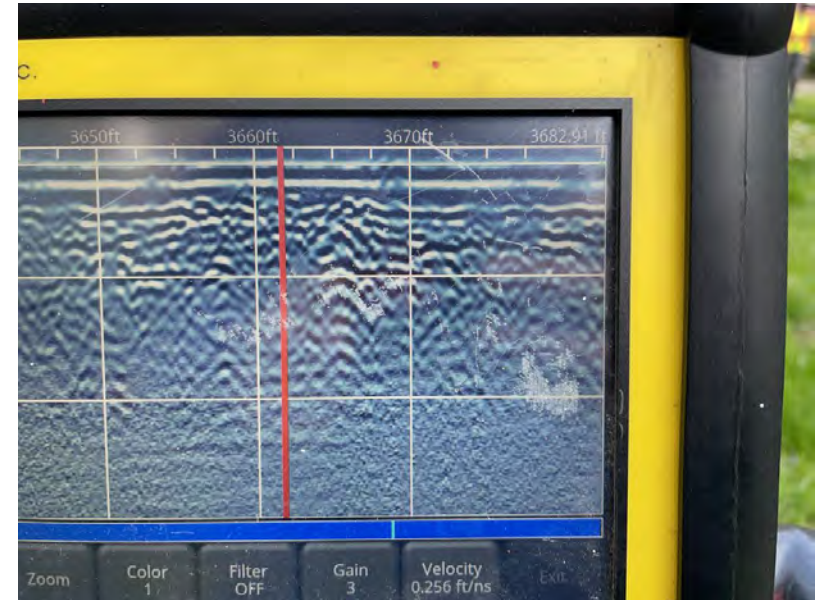
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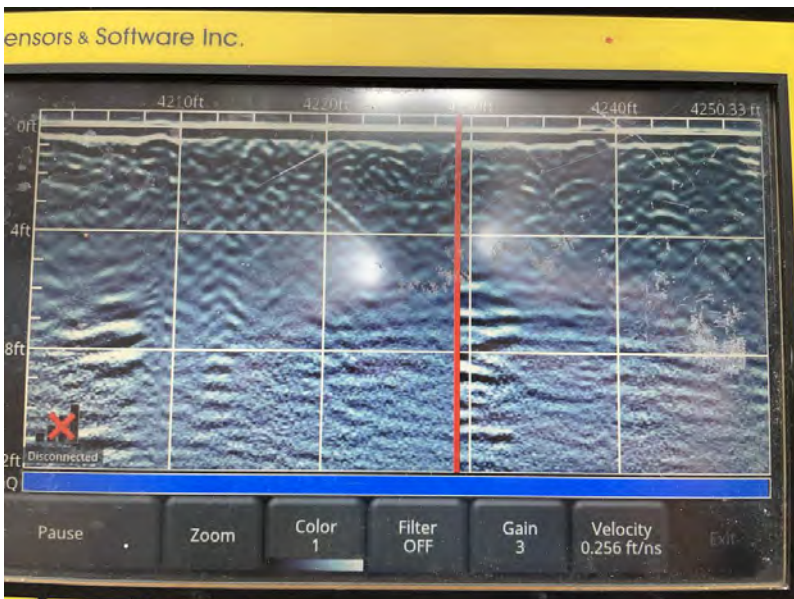
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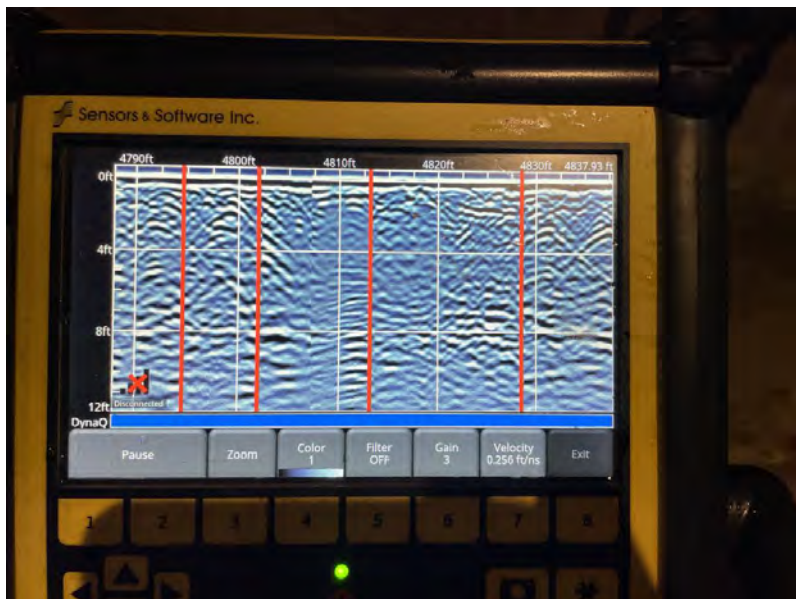
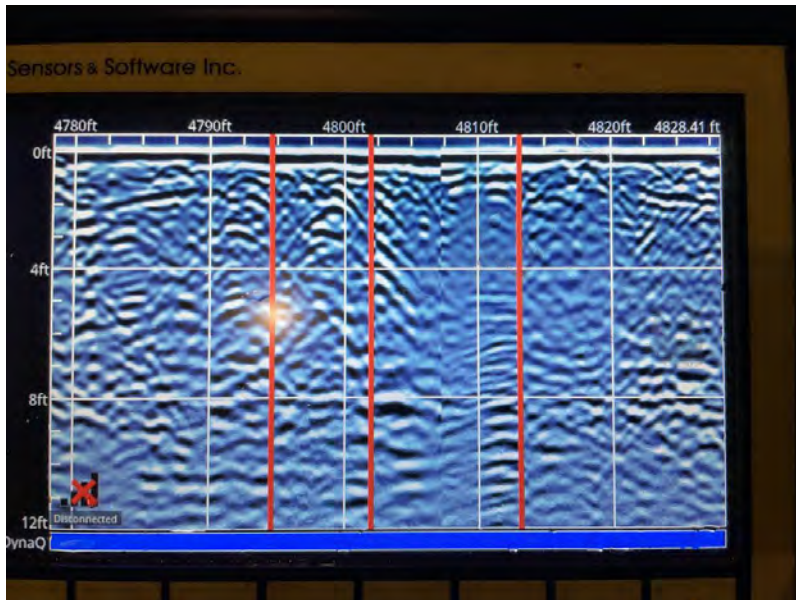
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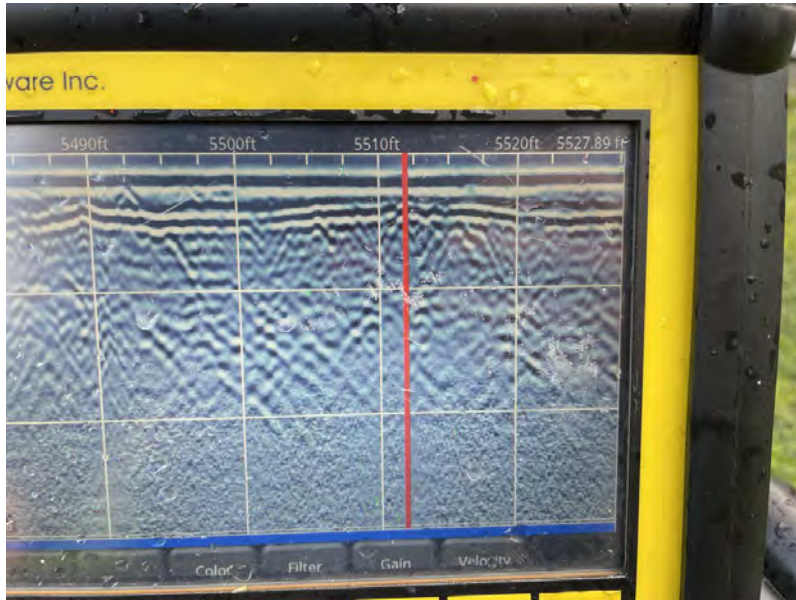
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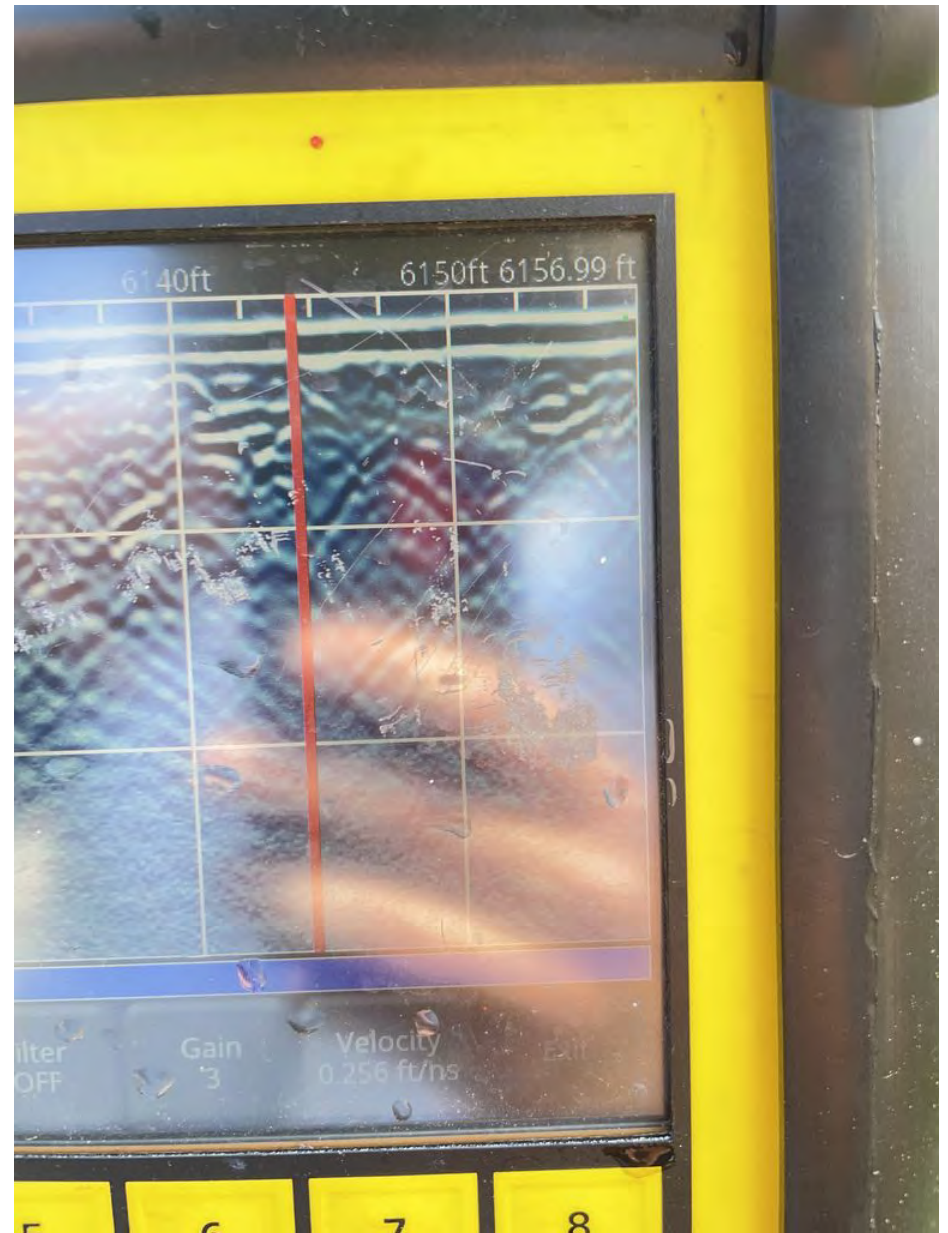
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APPENDIX B

Soil Boring Logs

Project Vital Brooklyn - Site EFGH			Project No. 170655401		
Location 808 Rutland Road, Brooklyn, NY			Elevation and Datum N/A		
Drilling Company Lakewood Environmental Services, Corp			Date Started 4/22/21		Date Finished 4/22/21
Drilling Equipment Geoprobe 6610 DT			Completion Depth 16 ft		Rock Depth N/A
Size and Type of Bit 2-inch-diameter Direct Push			Number of Samples	Disturbed 4	Undisturbed N/A
Casing Diameter (in) N/A		Casing Depth (ft) N/A	Water Level (ft.) First N/A	Completion N/A	24 HR. N/A
Casing Hammer N/A	Weight (lbs) N/A	Drop (in) N/A	Drilling Foreman Tim Kelly		
Sampler 4-foot-long Macrocore with acetate liner			Field Engineer Tyler Zorn		
Sampler Hammer N/A	Weight (lbs) N/A	Drop (in) N/A			

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (in)	Penetr. resist	PID Reading (ppm)	
		R1A (0-16"): Dark brown medium SAND, trace fine gravel, some fine sand, brick (moist)[FILL]	0					0.0	
			1					0.0	
		R1B (16-34"): Brown fine SAND, trace fine gravel, some medium sand, brick (moist)[FILL]	2	R-1	MACROCORE	34		0.0	Collect grab sample SB01_0-2
			3					0.0	
			4					0.0	
		R2A (0-10"): Brown to light gray fine SAND, some fine gravel, some medium sand, concrete (moist)[FILL]	5					0.0	
			6	R-2	MACROCORE	30		0.0	
			7					0.0	
		R2B (10-30"): Brown to gray fine SAND, trace fine gravel, trace medium sand, trace silt (moist)[SP-SM]	8					0.0	
			9					0.0	
			10	R-3	MACROCORE	38		0.0	
		R3: Orangish brown fine SAND, trace fine gravel, some medium sand, trace silt (moist)[SP-SM]	11					0.0	
			12					0.0	Collect grab sample SB01_10-12 (HOLD)
			13					0.0	
		R4: Brown to gray fine SAND, trace fine gravel, trace medium sand, trace silt (moist)[SP-SM]	14	R-4	MACROCORE	24		0.0	
			15					0.0	
			16					0.0	End of boring at 16 feet below grade surface (bgs). Backfill with non-impacted soil cuttings and clean sand, patch with hydrated bentonite.
			17						
			18						
			19						
			20						

Project	Vital Brooklyn - Site EFGH			Project No.	170655401		
Location	808 Rutland Road, Brooklyn, NY			Elevation and Datum	N/A		
Drilling Company	Lakewood Environmental Services, Corp			Date Started	4/22/21	Date Finished	
Drilling Equipment	Geoprobe 6610 DT			Completion Depth	16 ft	Rock Depth	
Size and Type of Bit	2-inch-diameter Direct Push			Number of Samples	4	Undisturbed	Core
Casing Diameter (in)	N/A	Casing Depth (ft)	N/A	Water Level (ft.)	First	Completion	24 HR.
Casing Hammer	N/A	Weight (lbs)	N/A	Drop (in)	N/A	N/A	N/A
Drilling Foreman	Tim Kelly			Field Engineer	Tyler Zorn		
Sampler	4-foot-long Macrocore with acetate liner						
Sampler Hammer	N/A	Weight (lbs)	N/A	Drop (in)	N/A		

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (in)	Penetr. resist	PID Reading (ppm)	
		R1: Brown to gray medium SAND, some fine gravel, some fine sand, brick, concrete, glass (moist)[FILL]	0					0.0	Collect grab sample SB02_0-2
			1					0.0	
			2	R-1	MACROCORE	20		0.0	
			3					0.0	
			4					0.0	
			5					0.0	
		R2A (0-24"): Brown to dark gray medium SAND, some fine gravel, some fine sand, brick, concrete, glass (moist)[FILL]	6	R-2	MACROCORE	32		0.0	
			7					0.0	
		R2B (24-32"): Brown fine SAND, trace fine gravel, some medium sand (moist)[SP-SM]	8					0.0	
			9					0.0	
		R3: Brown to gray fine SAND, trace fine gravel, some medium sand, trace silt (moist)[SP-SM]	10	R-3	MACROCORE	28		0.0	
			11					0.0	
			12					0.0	Collect grab sample SB02_12-14 (HOLD)
			13					0.0	
		R4A (0-30"): Brown to gray fine SAND, trace fine gravel, some medium sand, trace silt (moist)[SP-SM]	14	R-4	MACROCORE	42		0.0	
		R4B (30-33"): Reddish brown fine SAND, trace silt (moist)[SP-SM]	15					0.0	
		R4C (33-42"): Brown to gray fine SAND, trace fine gravel, some medium sand, trace silt (moist)[SP-SM]	16					0.0	End of boring at 16 feet bgs. Backfill with non-impacted soil cuttings and clean sand, patch with hydrated bentonite.
			17					0.0	
			18					0.0	
			19					0.0	
			20					0.0	

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Project Vital Brooklyn - Site EFGH			Project No. 170655401		
Location 808 Rutland Road, Brooklyn, NY			Elevation and Datum N/A		
Drilling Company Lakewood Environmental Services, Corp			Date Started 4/22/21		Date Finished 4/22/21
Drilling Equipment Geoprobe 6610 DT			Completion Depth 16 ft		Rock Depth N/A
Size and Type of Bit 2-inch-diameter Direct Push			Number of Samples	Disturbed 4	Undisturbed N/A
Casing Diameter (in) N/A		Casing Depth (ft) N/A	Water Level (ft.) First N/A	Completion N/A	Core N/A
Casing Hammer N/A	Weight (lbs) N/A	Drop (in) N/A	Drilling Foreman Tim Kelly		
Sampler 4-foot-long Macrocore with acetate liner			Field Engineer Tyler Zorn		
Sampler Hammer N/A	Weight (lbs) N/A	Drop (in) N/A			

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (in)	Penetr. resist BL/in	PID Reading (ppm)	
		R1: Brown to light gray medium SAND, some fine gravel, trace fine sand, concrete (moist)[FILL]	0					0.0	
			1					0.0	
			2	R-1	MACROCORE	30		0.0	
			3					0.0	Collect grab sample SB03_2-4 (HOLD)
			4					0.0	
			5					0.0	
		R2: Light brown to brown medium SAND, some fine gravel, some fine sand, brick, concrete (moist)[FILL]	6	R-2	MACROCORE	12		0.0	
			7					0.0	
			8					0.0	
			9					0.0	
		R3: Brown to gray fine SAND, trace fine gravel, some medium sand (moist)[SP-SM]	10	R-3	MACROCORE	20		0.0	
			11					0.0	
			12					0.0	
			13					0.0	
		R4A (0-18"): Dark brown to gray fine SAND, trace medium sand, trace silt (moist)[SP-SM]	14	R-4	MACROCORE	24		0.0	Collect grab sample SB03_14-16
		R4B (18-24"): Black fine SAND, some medium sand, trace silt (moist)[SP-SM]	15					0.0	Unidentifiable odor observed from 15 to 16 feet bgs
			16					0.0	End of boring at 16 feet bgs. Backfill with non-impacted soil cuttings and clean sand, patch with hydrated bentonite.
			17						
			18						
			19						
			20						

Project Vital Brooklyn - Site EFGH			Project No. 170655401		
Location 808 Rutland Road, Brooklyn, NY			Elevation and Datum N/A		
Drilling Company Lakewood Environmental Services, Corp			Date Started 4/22/21		Date Finished 4/22/21
Drilling Equipment Geoprobe 6610 DT			Completion Depth 24 ft		Rock Depth N/A
Size and Type of Bit 2-inch-diameter Direct Push			Number of Samples	Disturbed 6	Undisturbed N/A
Casing Diameter (in) N/A		Casing Depth (ft) N/A	Water Level (ft.) First 12	Completion 8.6	24 HR. N/A
Casing Hammer N/A	Weight (lbs) N/A	Drop (in) N/A	Drilling Foreman Tim Kelly		
Sampler 4-foot-long Macrocore with acetate liner			Field Engineer Tyler Zorn		
Sampler Hammer N/A	Weight (lbs) N/A	Drop (in) N/A			

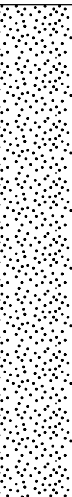
MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (in)	Penetr. resist BL/in	PID Reading (ppm)	
		R1: Brown to gray medium SAND, some fine gravel, some fine sand, brick, concrete (moist)[FILL]	0					0.0	Collect grab sample SB04_2-4
			1					0.0	
			2	R-1	MACROCORE	30		0.0	
			3					0.0	
			4					0.0	
		R2: Brown to dark gray medium SAND, some fine gravel, some fine sand, brick, concrete (moist)[FILL]	5						Collect grab sample SB04_11-13 (HOLD)
			6	R-2	MACROCORE	16			
			7					0.0	
			8					0.0	
			9					0.0	
			10	R-3	MACROCORE	12			
			11					0.0	
		R3: Orangish brown to dark gray medium SAND, some fine gravel, some fine sand, brick, concrete (moist)[FILL]	12					0.0	
			13					0.0	
			14	R-4	MACROCORE	48		0.0	
			15					0.0	
			16					0.0	
			17					0.0	
			18	R-5	MACROCORE	24		0.0	
			19					0.0	
			20					0.0	
		R4: Brown to gray SILT, some fine sand (wet)[ML]							
		R5: Brown to gray SILT, some fine sand (wet)[ML]							

Project			Project No.						
Vital Brooklyn - Site EFGH			170655401						
Location			Elevation and Datum						
808 Rutland Road, Brooklyn, NY			N/A						
MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (in)	Penetr. resist. BL/6in	PID Reading (ppm)	
			20					0.0	End of boring at 24 feet bgs. Installed TMW04 with a 10-foot screen from 12 to 22 feet bgs. Following sampling, temporary well was removed, borehole backfilled with clean sand, patched with hydrated bentonite.
			21						
			22	R-6	MACROCORE	30		0.0	
			23					0.0	
			24					0.0	
			25					0.0	
			26					0.0	
			27					0.0	
			28					0.0	
			29					0.0	
			30					0.0	
			31					0.0	
			32					0.0	
			33					0.0	
			34					0.0	
			35					0.0	
			36					0.0	
			37					0.0	
			38					0.0	
			39					0.0	
			40					0.0	
			41					0.0	
			42					0.0	
			43					0.0	
			44					0.0	
			45					0.0	

Project Vital Brooklyn - Site EFGH				Project No. 170655401			
Location 808 Rutland Road, Brooklyn, NY				Elevation and Datum N/A			
Drilling Company Lakewood Environmental Services, Corp				Date Started 4/28/21		Date Finished 4/28/21	
Drilling Equipment Geoprobe 420M				Completion Depth 28 ft		Rock Depth N/A	
Size and Type of Bit 2-inch-diameter Direct Push				Number of Samples 7		Undisturbed N/A	
Casing Diameter (in) N/A		Casing Depth (ft) N/A		Water Level (ft.) First ∇ 22		Completion ∇ 20.9	
Casing Hammer N/A		Weight (lbs) N/A		Drop (in) N/A		Drilling Foreman Tim Kelly	
Sampler 4-foot-long Macrocore with acetate liner				Field Engineer Tyler Zorn			
Sampler Hammer N/A		Weight (lbs) N/A		Drop (in) N/A			

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (in)	Penetr. resist BL/in	PID Reading (ppm)	
		R1: Gray to dark gray fine SAND, trace fine gravel, some medium sand, concrete (moist)[FILL]	0					0.0	
			1					0.0	
		R4: Brown to light gray medium SAND, trace fine gravel, some fine sand (moist)[SP]	2	R-1	MACROCORE	18		0.0	
			3						
			4						
			5						
			6	R-2	MACROCORE	18		0.0	
		R2: Gray to dark gray fine SAND, trace fine gravel, some medium sand, concrete (moist)[FILL]	7					0.0	
			8					0.0	
			9					0.0	
			10	R-3	MACROCORE	22		0.0	
		R3: Brown to dark gray medium SAND, some fine gravel, some medium sand, brick, concrete (moist)[FILL]	11					0.0	
			12					0.0	Collect grab sample SB05_10_12
			13					0.0	
			14	R-4	MACROCORE	44		0.0	
			15					0.0	
			16					0.0	
		R5: Brown to light gray medium SAND, trace fine gravel, some fine sand (moist)[SP]	17					0.0	
			18	R-5	MACROCORE	44		0.0	
			19					0.0	
			20					0.0	

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Project			Project No.							
Vital Brooklyn - Site EFGH			170655401							
Location			Elevation and Datum							
808 Rutland Road, Brooklyn, NY			N/A							
MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)	
				Number	Type	Recov. (in)	Penetr. resist. BL/6in	PID Reading (ppm)		
		R6: Brown to light gray medium SAND, trace fine gravel, some fine sand (wet)[SP]	20	R-6	MACROCORE	46			0.0	Collect grab sample SB05_21-23 (HOLD)
			21						0.0	
			22						0.0	
			23						0.0	
			24						0.0	
			25						0.0	
			26						0.0	
			27						0.0	
			28						0.0	
			29						0.0	
		R7: Brown to light gray medium SAND, some fine sand (wet)[SP]	30	R-7	MACROCORE	48			0.0	End of boring at 28 feet bgs. Installed TMW05 with a 10-foot screen from 18 to 28 feet bgs. Following sampling, temporary well was removed, borehole backfilled with clean sand, patched with hydrated bentonite.
			31						0.0	
			32						0.0	
			33						0.0	
			34						0.0	
			35						0.0	
			36						0.0	
			37						0.0	
			38						0.0	
			39						0.0	
			40						0.0	
			41						0.0	
			42						0.0	
			43						0.0	
			44						0.0	
			45						0.0	

Project				Project No.			
Vital Brooklyn - Site EFGH				170655401			
Location				Elevation and Datum			
808 Rutland Road, Brooklyn, NY				N/A			
Drilling Company				Date Started		Date Finished	
Lakewood Environmental Services, Corp				4/22/21		4/22/21	
Drilling Equipment				Completion Depth		Rock Depth	
Geoprobe 6610 DT				24 ft		N/A	
Size and Type of Bit				Number of Samples		Disturbed	
2-inch-diameter Direct Push				6		Undisturbed	
Casing Diameter (in)		Casing Depth (ft)		Water Level (ft.)		Core	
N/A		N/A		First		Completion	
Casing Hammer		Weight (lbs)		23		24 HR.	
N/A		N/A		Drop (in)		N/A	
N/A		N/A		N/A		N/A	
Sampler				Drilling Foreman			
4-foot-long Macrocore with acetate liner				Tim Kelly			
Sampler Hammer				Field Engineer			
N/A		Weight (lbs)		Tyler Zorn			
N/A		N/A		Drop (in)			
N/A		N/A		N/A			

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (in)	Penetr. resist	PID Reading (ppm)	
		R1A (0-26"): Dark brown medium SAND, trace fine gravel, some fine sand, brick (moist)[FILL]	0					0.0	Collect grab samples SB06_1-3 and SODUP01_042221
			1					0.0	
			2	R-1	MACROCORE	44		0.0	
		R1B (26-44"): Brown medium SAND, trace fine gravel, some fine sand, concrete (moist)[FILL]	3					0.0	
			4					0.0	
		R2A (0-30"): Brown to gray fine SAND, trace fine gravel, some medium sand, brick, concrete (moist)[FILL]	5					0.0	
			6	R-2	MACROCORE	44		0.0	
			7					0.0	
		R2B (30-44"): Brown to gray fine SAND, trace fine gravel, some medium sand (moist)[SP]	8					0.0	
			9					0.0	
			10	R-3	MACROCORE	24		0.0	
		R3: Brown to gray fine SAND, trace fine gravel, some medium sand (moist)[SP]	11					0.0	
			12					0.0	
			13					0.0	
			14	R-4	MACROCORE	24		0.0	
		R4: Brown to gray fine SAND, trace fine gravel, some medium sand, trace silt (moist)[SP-SM]	15					0.0	
			16					0.0	
			17					0.0	
			18	R-5	MACROCORE	12		0.0	
		R5: Brown to gray fine SAND, trace fine gravel, trace medium sand, trace silt (moist)[SP-SM]	19					0.0	
			20					0.0	

Project Vital Brooklyn - Site EFGH			Project No. 170655401						
Location 808 Rutland Road, Brooklyn, NY			Elevation and Datum N/A						
MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	
		R6: Brown to dark gray fine SAND, trace medium sand, some silt (moist)[SP-SM]	20	R-6	MACROCORE	12		0.0	Collect grab sample SB06_22-24 (HOLD)
			21					0.0	
			22					0.0	End of boring at 24 feet bgs. Backfill with non-impacted soil cuttings and clean sand, patch with hydrated bentonite.
			23					0.0	
			24					0.0	
			25						
			26						
			27						
			28						
			29						
			30						
			31						
			32						
			33						
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			40						
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			42						
			43						
			44						
			45						

APPENDIX C

Monitoring Well Construction and Sampling Logs

WELL CONSTRUCTION AND DEVELOPMENT SUMMARY

Well No.

TMW04

PROJECT		PROJECT NO.	
Vital Brooklyn - Sites EFGH		170655401	
LOCATION		ELEVATION AND DATUM	
Brooklyn, NY		el. N/A	
DRILLING AGENCY		DATE STARTED	DATE FINISHED
Lakewood Environmental Services Corp.		4/22/2021	4/22/2021
DRILLING EQUIPMENT		DRILLER	
Geoprobe® 6610 DT		Tim Kelly	
SIZE AND TYPE OF BIT		INSPECTOR	
2-inch Direct Push		Tyler Zorn	
BOREHOLE DIAMETER		TYPE OF WELL (OVERBURDEN / BEDROCK)	
2-inch		Overburden	
RISER MATERIAL	DIAMETER	TYPE OF BACKFILL MATERIAL	
PVC	1-inch	No. 2 Sand	
TYPE OF SCREEN	DIAMETER	TYPE OF WELL PACK	TYPE OF SEAL MATERIAL
PVC No. 10 Slot	1-inch	No. 2 Sand	Bentonite
METHOD OF INSTALLATION			
Geoprobe 6610 DT was used to advance the boring to approximately 24 feet bgs. A 1-inch PVC temporary monitoring well was installed which consisted of 10 feet of 10-slot (0.010-inch) well screen, and a solid PVC riser. Well screen was installed from approximately 12 to 22 feet bgs with a stick-up riser about 1 foot above grade surface. Following sampling, Lakewood Environmental Services Corp. removed the well casing, backfilled the borehole with clean sand, and patched with hydrated bentonite.			
WELL DEVELOPMENT DATA			
SURGE BLOCK DIAMETER	N/A	TYPE PUMP	Peristaltic
DRILLER OR LANGAN	Langan	MAX PUMP RATE	1 LPM
NUMBER OF SURGE CYCLES	N/A	TOTAL VOLUME	15 L
TOP OF CASING	ELEVATION	DEPTH (ft above grade)	The diagram illustrates the well construction. It shows a vertical casing with a seal at the top. A riser is attached to the casing. The screen is located between 12 and 22 feet below the surface. The groundwater level is shown at 8.57 feet depth. The casing is labeled 'PVC' and the screen is labeled 'Screen'.
N/A	1		
TOP OF SEAL	ELEVATION	DEPTH (ft)	
		0.25	
TOP OF FILTER	ELEVATION	DEPTH (ft)	
		12	
TOP OF SCREEN	ELEVATION	DEPTH (ft)	
		12	
BOTTOM OF BORING	ELEVATION	DEPTH (ft)	
		24	
SCREEN LENGTH		10	
SLOT SIZE	No. 10 Slot; 0.010 Inches		12
GROUNDWATER ELEVATIONS			
ELEVATION	DATE	DEPTH TO WATER	
	4/22/2021	8.57 ft	
ELEVATION	DATE	DEPTH TO WATER	
ELEVATION	DATE	DEPTH TO WATER	
ELEVATION	DATE	DEPTH TO WATER	
			22
ELEVATION	DATE	DEPTH TO WATER	
			24
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WELL CONSTRUCTION AND DEVELOPMENT SUMMARY

Well No.

TMW05

PROJECT			PROJECT NO.			
Vital Brooklyn - Sites EFGH			170655401			
LOCATION			ELEVATION AND DATUM			
Brooklyn, NY			el. N/A			
DRILLING AGENCY		DATE STARTED		DATE FINISHED		
Lakewood Environmental Services Corp.		4/22/2021		4/22/2021		
DRILLING EQUIPMENT			DRILLER			
Geoprobe® 420 M			Tim Kelly			
SIZE AND TYPE OF BIT			INSPECTOR			
2-inch Direct Push			Tyler Zorn			
BOREHOLE DIAMETER			TYPE OF WELL (OVERBURDEN / BEDROCK)			
2-inch			Overburden			
RISER MATERIAL	DIAMETER		TYPE OF BACKFILL MATERIAL			
PVC	1-inch		No. 2 Sand			
TYPE OF SCREEN	DIAMETER		TYPE OF WELL PACK		TYPE OF SEAL MATERIAL	
PVC No. 10 Slot	1-inch		No. 2 Sand		Bentonite	
METHOD OF INSTALLATION						
Geoprobe 420 M was used to advance the boring to approximately 28 feet bgs. A 1-inch PVC temporary monitoring well was installed which consisted of 10 feet of 10-slot (0.010-inch) well screen, and a solid PVC riser. Well screen was installed from approximately 18 to 28 feet bgs with a stick-up riser about 1 foot above grade surface. Following sampling, Lakewood Environmental Services Corp. removed the well casing, backfilled the borehole with clean sand, and patched with hydrated bentonite.						
WELL DEVELOPMENT DATA						
SURGE BLOCK DIAMETER	N/A	TYPE PUMP		Peristaltic	DEVELOPMENT CONFIRMATION	
DRILLER OR LANGAN	Langan	MAX PUMP RATE		1 LPM	Well developed from 11:44-11:59 until purged groundwater was no longer turbid.	
NUMBER OF SURGE CYCLES	N/A	TOTAL VOLUME		15 L		
TOP OF CASING	ELEVATION	DEPTH (ft above grade)	The diagram illustrates the vertical profile of the well. From top to bottom, it shows: a 'Stick-up' section above the ground; a 'Seal' at the surface; a 'Riser' extending down to 18 feet depth; a 'PVC Screen' located between 18 and 28 feet depth; and the 'BOTTOM OF BORING' at 28 feet depth. The 'SCREEN LENGTH' is indicated as 10 feet. Arrows point to each component label.		SUMMARY SOIL CLASSIFICATION	DEPTH (FT)
TOP OF SEAL	ELEVATION	DEPTH (ft)			1	
TOP OF FILTER	ELEVATION	DEPTH (ft)			0.25	
TOP OF SCREEN	ELEVATION	DEPTH (ft)			18	
BOTTOM OF BORING	ELEVATION	DEPTH (ft)			18	
SCREEN LENGTH					28	
SLOT SIZE					10	
					No. 10 Slot; 0.010 Inches	18
GROUNDWATER ELEVATIONS						
ELEVATION	DATE	DEPTH TO WATER				
	4/22/2021	20.94 ft				
ELEVATION	DATE	DEPTH TO WATER	PVC			
			Screen			
ELEVATION	DATE	DEPTH TO WATER				
ELEVATION	DATE	DEPTH TO WATER				
ELEVATION	DATE	DEPTH TO WATER				
ELEVATION	DATE	DEPTH TO WATER		28		
ELEVATION	DATE	DEPTH TO WATER				
LANGAN Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. 21 Penn Plaza, 360 West 31st Street, 8th Floor, New York						

[illegible]

APPENDIX D

Soil Vapor Sampling Logs

SOIL VAPOR SAMPLING LOG SUMMARY SHEET

Sample ID	Date	Weather (Atmospheric Pressure)	Pre-Purge PID Reading - Sample Tubing (ppm)	Post-Purge Helium Reading Bucket (%)	Post-Purge Helium Reading - Sample Tubing (ppm)	Post-Purge PID Reading - Sample Tubing (ppm)	Summa Canister No.	Regulator No.	Regulator Volume Rate (on tag)	Start Time	Summa Canister Start Pressure	Stop Time	Summa Canister Stop Pressure	Post-Sampling Helium Reading Bucket (%)	Post-Sampling Helium Reading - Sample Tubing (ppm)	Post-Sampling PID Reading - Sample Tubing (ppm)
SG01_042221	4/22/2021	29.83 in	1.8	20.4	0.0	1.8	28837	7090	44.98	10:10	-29.9	12:10	-5	11.2	0.0	0.0
SSSG01_042221	4/22/2021	29.83 in	1.4	16.1	0.0	1.2	28853	13562	39.52	10:56	-29.5	12:56	-6	12.4	0.0	0.0
SG02_042321	4/23/2021	29.91 in	3.1	13.4	0.0	2.4	20947	5610	N/A	8:02	-28.0	10:02	-5	11.9	0.0	0.0

SOIL VAPOR SAMPLING LOG SHEET

Sample Number: SG01

PROJECT: Vital Brooklyn - Site EFGH		PROJECT NO.: 170655401																								
LOCATION: Brooklyn, NY		SURFACE ELEVATION AND DATUM: N/A																								
DRILLING FIRM OR LANGAN INSTALLER: Lakewood Environmental Services Corp.		INSTALLATION DATE STARTED: 4/22/2021	DATE FINISHED: 4/22/2021																							
INSTALLATION FOREMAN: Tim Kelly		SAMPLE DATE STARTED: 4/22/2021	DATE FINISHED: 4/22/2021																							
INSTALLATION EQUIPMENT: Geoprobe® 6610 DT		TYPE OF SAMPLING DEVICE: 6-Liter Summa Canister																								
INSPECTOR: Tyler Zorn		SAMPLER: Tyler Zorn																								
POTENTIAL SAMPLE INTERFERENCES: None		WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.): Temp: 46-50 °F Wind: WNW 10 mph Precipitation: N/A Pressure: 29.83 inHG																								
METHOD OF INSTALLATION AND PURGING: Advance Geoprobe 6610 DT to 15 feet below grade surface (bgs). Install 2-inch soil vapor probe at 15 feet bgs, backfill with No. 2 sand to 10 feet bgs, seal with hydrated bentonite to 9 feet bgs, backfill with No. 2 sand to 1 foot bgs, and seal to surface with hydrated bentonite. Following sampling, tubing and probe were removed and the borehole was backfilled with clean sand and patched with hydrated bentonite.																										
TUBING TYPE/DIAMETER: 3/16-inch ID, 1/4-inch OD Teflon-Lined Polyethylene Tubing		TYPE OF MATERIAL ABOVE SEAL: Bentonite																								
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: 2-Inch Polyethylene Probe		SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.): Bentonite																								
BOREHOLE DIAMETER: 2-inch		FILTER PACK MATERIAL (Sand or Glass Beads): No. 2 Sand																								
PURGE VOLUME (L): 0.40 PURGE FLOW RATE (ML/MIN): 200 PID AFTER PURGE (PPM): 1.8 HELIUM TESTS <table border="1"> <tr> <td>Pre-sampling</td> <td>Post-sampling</td> </tr> <tr> <td>20.4%</td> <td>11.2%</td> </tr> <tr> <td>0.0</td> <td>0.0</td> </tr> </table> HELIUM TEST IN TUBE (PPM): 0.0 SAMPLE START TIME: 10:10 SAMPLE STOP TIME: 12:10 TOTAL SAMPLE TIME (MIN): 120 REGULATOR FLOW RATE (L/MIN): 0.05 VOLUME OF SAMPLE (LITERS): 6 L PID AFTER SAMPLE (PPM): 0.0 SAMPLE MOISTURE CONTENT: N/A CAN SERIAL NUMBER: 28837 REGULATOR SERIAL NUMBER: 7090 CAN START VACUUM PRESS. (" HG): -29.9 CAN STOP VACUUM PRESS. (" HG): -5		Pre-sampling	Post-sampling	20.4%	11.2%	0.0	0.0	<table border="1"> <thead> <tr> <th colspan="2">IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)</th> <th>DEPTH (FEET FROM SURFACE)</th> <th rowspan="2">NOTES</th> </tr> <tr> <th>SURFACE</th> <th>SURFACE</th> <th></th> </tr> </thead> <tbody> <tr> <td></td> <td>Top of Seal</td> <td>9.00</td> <td rowspan="3"></td> </tr> <tr> <td></td> <td>Top of Pack</td> <td>10.00</td> </tr> <tr> <td></td> <td>Probe Depth</td> <td>15.00</td> </tr> </tbody> </table>		IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)		DEPTH (FEET FROM SURFACE)	NOTES	SURFACE	SURFACE			Top of Seal	9.00			Top of Pack	10.00		Probe Depth	15.00
Pre-sampling	Post-sampling																									
20.4%	11.2%																									
0.0	0.0																									
IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)		DEPTH (FEET FROM SURFACE)	NOTES																							
SURFACE	SURFACE																									
	Top of Seal	9.00																								
	Top of Pack	10.00																								
	Probe Depth	15.00																								
SAMPLE LOCATION SKETCH		NOTES																								
See Sample Location Plan																										

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SOIL VAPOR SAMPLING LOG SHEET

Sample Number: SG02

PROJECT: Vital Brooklyn - Site EFGH		PROJECT NO.: 170655401																						
LOCATION: Brooklyn, NY		SURFACE ELEVATION AND DATUM: N/A																						
DRILLING FIRM OR LANGAN INSTALLER: Lakewood Environmental Services Corp.		INSTALLATION DATE STARTED: 4/23/2021	DATE FINISHED: 4/23/2021																					
INSTALLATION FOREMAN: Tim Kelly		SAMPLE DATE STARTED: 4/23/2021	DATE FINISHED: 4/23/2021																					
INSTALLATION EQUIPMENT: Geoprobe® 6610 DT		TYPE OF SAMPLING DEVICE: 6-Liter Summa Canister																						
INSPECTOR: Tyler Zorn		SAMPLER: Tyler Zorn																						
POTENTIAL SAMPLE INTERFERENCES: None		WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.): Temp: 63-65 °F Wind: NW 10 mph Precipitation: N/A Pressure: 29.91 inHG																						
METHOD OF INSTALLATION AND PURGING: Advance Geoprobe 6610 DT to 8 feet below grade surface (bgs). Install 2-inch soil vapor probe at 8 feet bgs, backfill with No. 2 sand to 5 feet bgs, seal with hydrated bentonite to 4 feet bgs, backfill with No. 2 sand to 1 foot bgs, and seal to surface with hydrated bentonite. Following sampling, tubing and probe were removed and the borehole was backfilled with clean sand and patched with hydrated bentonite.																								
TUBING TYPE/DIAMETER: 3/16-inch ID, 1/4-inch OD Teflon-Lined Polyethylene Tubing		TYPE OF MATERIAL ABOVE SEAL: Bentonite																						
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: 2-Inch Polyethylene Probe		SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.): Bentonite																						
BOREHOLE DIAMETER: 2-inch		FILTER PACK MATERIAL (Sand or Glass Beads): No. 2 Sand																						
PURGE VOLUME (L): 0.40 PURGE FLOW RATE (ML/MIN): 200 PID AFTER PURGE (PPM): 1.8 HELIUM TESTS <table border="1"> <tr> <td>Pre-sampling</td> <td>Post-sampling</td> </tr> <tr> <td>13.4%</td> <td>11.9%</td> </tr> <tr> <td>0.0</td> <td>0.0</td> </tr> </table> HELIUM TEST IN BUCKET(%): HELIUM TEST IN TUBE (PPM): SAMPLE START TIME: 8:02 SAMPLE STOP TIME: 10:02 TOTAL SAMPLE TIME (MIN): 120 REGULATOR FLOW RATE (L/MIN): 0.05 VOLUME OF SAMPLE (LITERS): 6 L PID AFTER SAMPLE (PPM): 0.0 SAMPLE MOISTURE CONTENT: N/A CAN SERIAL NUMBER: 20947 REGULATOR SERIAL NUMBER: 5610 CAN START VACUUM PRESS. (" HG): -28.0 CAN STOP VACUUM PRESS. (" HG): -5		Pre-sampling	Post-sampling	13.4%	11.9%	0.0	0.0	<table border="1"> <tr> <th colspan="2">IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)</th> <th>DEPTH (FEET FROM SURFACE)</th> <th rowspan="2">NOTES</th> </tr> <tr> <th>SURFACE</th> <th>SURFACE</th> <th></th> </tr> <tr> <td rowspan="3"> </td> <td>Top of Seal</td> <td>4.00</td> <td rowspan="3"></td> </tr> <tr> <td>Top of Pack</td> <td>5.00</td> </tr> <tr> <td>Probe Depth</td> <td>8.00</td> </tr> </table>		IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)		DEPTH (FEET FROM SURFACE)	NOTES	SURFACE	SURFACE			Top of Seal	4.00		Top of Pack	5.00	Probe Depth	8.00
Pre-sampling	Post-sampling																							
13.4%	11.9%																							
0.0	0.0																							
IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)		DEPTH (FEET FROM SURFACE)	NOTES																					
SURFACE	SURFACE																							
	Top of Seal	4.00																						
	Top of Pack	5.00																						
	Probe Depth	8.00																						
SAMPLE LOCATION SKETCH		NOTES																						
See Sample Location Plan																								

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SUB-SLAB SOIL VAPOR SAMPLING LOG SHEET

Sample Number: SSSG01

PROJECT: Vital Brooklyn - Site EFGH		PROJECT NO.: 170655401																									
LOCATION: Brooklyn, NY		SURFACE ELEVATION AND DATUM: N/A																									
DRILLING FIRM OR LANGAN INSTALLER: Lakewood Environmental Services Corp.		INSTALLATION DATE STARTED: 4/22/2021	DATE FINISHED: 4/22/2021																								
INSTALLATION FOREMAN: Tim Kelly		SAMPLE DATE STARTED: 4/22/2021	DATE FINISHED: 4/22/2021																								
INSTALLATION EQUIPMENT: Electric Hammer Drill		TYPE OF SAMPLING DEVICE: 6-Liter Summa Canister																									
INSPECTOR: Tyler Zorn		SAMPLER: Tyler Zorn																									
POTENTIAL SAMPLE INTERFERENCES: None		WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.): Temp: 46-50 °F Wind: WNW 10 mph Precipitation: N/A Pressure: 29.83 inHG																									
METHOD OF INSTALLATION AND PURGING: Advance subslab vapor point to 3-inches below the bottom of the slab. A small amount of No. 2 sand was backfilled into the borehole to set the vapor tubing. No. 2 sand was backfilled around the tubing to 3 inch bgs, and the remainder of the borehole was sealed with bentonite. Following sampling, tubing was removed and the borehole was patched with hydrated bentonite.																											
TUBING TYPE/DIAMETER: 3/16-inch ID, 1/4-inch OD Teflon-Lined Polyethylene Tubing		TYPE OF MATERIAL ABOVE SEAL: Bentonite																									
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: None		SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.): Bentonite																									
BOREHOLE DIAMETER: 1-1/8-inch		FILTER PACK MATERIAL (Sand or Glass Beads): No. 2 Sand																									
PURGE VOLUME (L): 0.40 PURGE FLOW RATE (ML/MIN): 200 PID AFTER PURGE (PPM): 1.2 HELIUM TESTS <table style="width: 100%; border-collapse: collapse;"> <tr> <th></th> <th style="text-align: center;">Pre-sampling</th> <th style="text-align: center;">Post-sampling</th> </tr> <tr> <td>HELIUM TEST IN BUCKET(%):</td> <td style="text-align: center;">16.1 %</td> <td style="text-align: center;">12.4. %</td> </tr> <tr> <td>HELIUM TEST IN TUBE (PPM):</td> <td style="text-align: center;">0.0</td> <td style="text-align: center;">0.0</td> </tr> </table> SAMPLE START TIME: 10:56 SAMPLE STOP TIME: 12:56 TOTAL SAMPLE TIME (MIN): 120 REGULATOR FLOW RATE (L/MIN): 0.05 VOLUME OF SAMPLE (LITERS): 6 L PID AFTER SAMPLE (PPM): 0.0 SAMPLE MOISTURE CONTENT: N/A CAN SERIAL NUMBER: 28853 REGULATOR SERIAL NUMBER: 13562 CAN START VACUUM PRESS. (" HG): -29.5 CAN STOP VACUUM PRESS. (" HG): -6			Pre-sampling	Post-sampling	HELIUM TEST IN BUCKET(%):	16.1 %	12.4. %	HELIUM TEST IN TUBE (PPM):	0.0	0.0	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2" style="text-align: center;">IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)</th> <th style="text-align: center;">DEPTH (FEET FROM SURFACE)</th> <th rowspan="2" style="text-align: center;">NOTES</th> </tr> <tr> <th style="text-align: center;">SURFACE</th> <th style="text-align: center;">SURFACE</th> <th></th> </tr> <tr> <td rowspan="3" style="text-align: center; vertical-align: middle;"> </td> <td style="text-align: center;">Top of Seal</td> <td style="text-align: center;">0.083</td> <td rowspan="3"></td> </tr> <tr> <td style="text-align: center;">Top of Pack</td> <td style="text-align: center;">0.25</td> </tr> <tr> <td style="text-align: center;">Tube Depth</td> <td style="text-align: center;">0.5</td> </tr> </table>		IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)		DEPTH (FEET FROM SURFACE)	NOTES	SURFACE	SURFACE			Top of Seal	0.083		Top of Pack	0.25	Tube Depth	0.5
	Pre-sampling	Post-sampling																									
HELIUM TEST IN BUCKET(%):	16.1 %	12.4. %																									
HELIUM TEST IN TUBE (PPM):	0.0	0.0																									
IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)		DEPTH (FEET FROM SURFACE)	NOTES																								
SURFACE	SURFACE																										
	Top of Seal	0.083																									
	Top of Pack	0.25																									
	Tube Depth	0.5																									
SAMPLE LOCATION SKETCH		NOTES																									
See Sample Location Plan																											

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APPENDIX E

Laboratory Analytical Reports



Technical Report

prepared for:

Langan Engineering & Environmental Services (NYC)

21 Penn Plaza, 360 West 31st Street

New York NY, 10001

Attention: Paul McMahon

Report Date: 04/30/2021

Client Project ID: 170655401

York Project (SDG) No.: 21D1065



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: 04/30/2021
Client Project ID: 170655401
York Project (SDG) No.: 21D1065

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Paul McMahon

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 April 22, 2021 and listed below. The project was identified as your project: **170655401**.

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>
21D1065-01	SB01_0-2	Soil	04/22/2021	04/22/2021
21D1065-03	SB02_0-2	Soil	04/22/2021	04/22/2021
21D1065-06	SB03_14-16	Soil	04/22/2021	04/22/2021
21D1065-07	SB04_2-4	Soil	04/22/2021	04/22/2021
21D1065-09	SB05_10-12	Soil	04/22/2021	04/22/2021
21D1065-11	SB06_1-3	Soil	04/22/2021	04/22/2021
21D1065-13	SODUP01_042221	Soil	04/22/2021	04/22/2021

General Notes for York Project (SDG) No.: 21D1065

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.

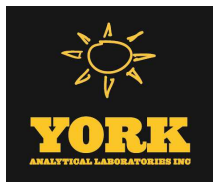
Approved By:



Benjamin Gulizia
Laboratory Director

Date: 04/30/2021





Sample Information

Client Sample ID: SB01_0-2

York Sample ID: 21D1065-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1065

170655401

Soil

April 22, 2021 10:00 am

04/22/2021

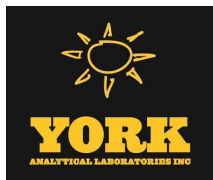
Volatiles, 8260 Comprehensive

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	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 20:57	MD
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 20:57	MD
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 20:57	MD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/27/2021 06:47	04/27/2021 20:57	MD
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 20:57	MD
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 20:57	MD
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 20:57	MD
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 20:57	MD
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	04/27/2021 06:47	04/27/2021 20:57	MD
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 20:57	MD
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 20:57	MD
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 20:57	MD
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 20:57	MD
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 20:57	MD
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 20:57	MD
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 20:57	MD
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 20:57	MD
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 20:57	MD
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 20:57	MD
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.056	0.11	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 20:57	MD
78-93-3	2-Butanone	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 20:57	MD



Sample Information

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York Sample ID: 21D1065-01

York Project (SDG) No.

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170655401

Soil

April 22, 2021 10:00 am

04/22/2021

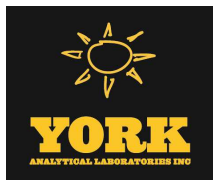
Volatiles, 8260 Comprehensive

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
591-78-6	2-Hexanone	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 20:57	MD
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 20:57	MD
67-64-1	Acetone	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 20:57	MD
107-02-8	Acrolein	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 20:57	MD
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 20:57	MD
71-43-2	Benzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 20:57	MD
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 20:57	MD
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 20:57	MD
75-25-2	Bromoform	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 20:57	MD
74-83-9	Bromomethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 20:57	MD
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 20:57	MD
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 20:57	MD
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 20:57	MD
75-00-3	Chloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 20:57	MD
67-66-3	Chloroform	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 20:57	MD
74-87-3	Chloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 20:57	MD
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 20:57	MD
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 20:57	MD
110-82-7	Cyclohexane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 20:57	MD
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 20:57	MD
74-95-3	Dibromomethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 20:57	MD
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 20:57	MD



Sample Information

Client Sample ID: SB01_0-2

York Sample ID: 21D1065-01

York Project (SDG) No.

Client Project ID

Matrix

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21D1065

170655401

Soil

April 22, 2021 10:00 am

04/22/2021

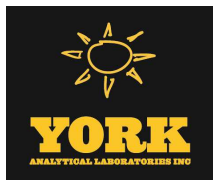
Volatiles, 8260 Comprehensive

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
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 20:57	MD
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 20:57	MD
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 20:57	MD
79-20-9	Methyl acetate	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 20:57	MD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 20:57	MD
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 20:57	MD
75-09-2	Methylene chloride	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 20:57	MD
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 20:57	MD
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 20:57	MD
95-47-6	o-Xylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 20:57	MD
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 20:57	MD
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 20:57	MD
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 20:57	MD
100-42-5	Styrene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 20:57	MD
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 20:57	MD
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 20:57	MD
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 20:57	MD
108-88-3	Toluene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 20:57	MD
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 20:57	MD
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 20:57	MD
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 20:57	MD
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 20:57	MD



Sample Information

Client Sample ID: SB01_0-2

York Sample ID: 21D1065-01

York Project (SDG) No.
21D1065

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170655401

Matrix
Soil

Collection Date/Time
April 22, 2021 10:00 am

Date Received
04/22/2021

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
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 20:57	MD
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0084	0.017	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/27/2021 06:47	04/27/2021 20:57	MD
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	108 %		77-125							
2037-26-5	Surrogate: SURR: Toluene-d8	93.4 %		85-120							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	112 %		76-130							

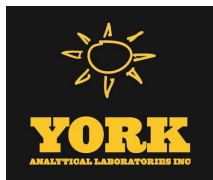
Semi-Volatiles, 8270 Comprehensive

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	0.0466	0.0929	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 15:57	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0929	0.186	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 15:57	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 15:57	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0929	0.186	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 15:57	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 15:57	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 15:57	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 15:57	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 15:57	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0929	0.186	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 15:57	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 15:57	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 15:57	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 15:57	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 15:57	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 15:57	KH



Sample Information

Client Sample ID: SB01_0-2

York Sample ID: 21D1065-01

York Project (SDG) No.
21D1065

Client Project ID
170655401

Matrix
Soil

Collection Date/Time
April 22, 2021 10:00 am

Date Received
04/22/2021

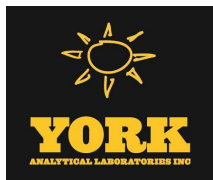
Semi-Volatiles, 8270 Comprehensive

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
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 15:57	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0929	0.186	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 15:57	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 15:57	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 15:57	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 15:57	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0929	0.186	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 15:57	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0929	0.186	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 15:57	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 15:57	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 15:57	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 15:57	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 15:57	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0929	0.186	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 15:57	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0929	0.186	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 15:57	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 15:57	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 15:57	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 15:57	KH
62-53-3	Aniline	ND		mg/kg dry	0.186	0.372	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 15:57	KH
120-12-7	Anthracene	0.0929		mg/kg dry	0.0466	0.0929	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 15:57	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 15:57	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 15:57	KH
92-87-5	Benzidine	ND		mg/kg dry	0.186	0.372	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	04/29/2021 07:56	04/29/2021 15:57	KH
56-55-3	Benzo(a)anthracene	0.309		mg/kg dry	0.0466	0.0929	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 15:57	KH



Sample Information

Client Sample ID: SB01_0-2

York Sample ID: 21D1065-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1065

170655401

Soil

April 22, 2021 10:00 am

04/22/2021

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
50-32-8	Benzo(a)pyrene	0.312		mg/kg dry	0.0466	0.0929	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 15:57	KH
205-99-2	Benzo(b)fluoranthene	0.265		mg/kg dry	0.0466	0.0929	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 15:57	KH
191-24-2	Benzo(g,h,i)perylene	0.213		mg/kg dry	0.0466	0.0929	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 15:57	KH
207-08-9	Benzo(k)fluoranthene	0.268		mg/kg dry	0.0466	0.0929	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 15:57	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 15:57	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 15:57	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 15:57	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 15:57	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 15:57	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 15:57	KH
117-81-7	Bis(2-ethylhexyl)phthalate	0.128		mg/kg dry	0.0466	0.0929	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 15:57	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0929	0.186	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 15:57	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 15:57	KH
218-01-9	Chrysene	0.313		mg/kg dry	0.0466	0.0929	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 15:57	KH
53-70-3	Dibenzo(a,h)anthracene	0.0617	J	mg/kg dry	0.0466	0.0929	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 15:57	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 15:57	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 15:57	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 15:57	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 15:57	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 15:57	KH
122-39-4	Diphenylamine	ND		mg/kg dry	0.0929	0.186	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 15:57	KH
206-44-0	Fluoranthene	0.612		mg/kg dry	0.0466	0.0929	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 15:57	KH



Sample Information

Client Sample ID: SB01_0-2

York Sample ID: 21D1065-01

York Project (SDG) No.
21D1065

Client Project ID
170655401

Matrix
Soil

Collection Date/Time
April 22, 2021 10:00 am

Date Received
04/22/2021

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
86-73-7	Fluorene	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 15:57	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 15:57	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 15:57	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 15:57	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 15:57	KH
193-39-5	Indeno(1,2,3-cd)pyrene	0.218		mg/kg dry	0.0466	0.0929	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 15:57	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 15:57	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 15:57	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 15:57	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 15:57	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 15:57	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 15:57	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 15:57	KH
85-01-8	Phenanthrene	0.348		mg/kg dry	0.0466	0.0929	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 15:57	KH
108-95-2	Phenol	ND		mg/kg dry	0.0466	0.0929	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 15:57	KH
129-00-0	Pyrene	0.551		mg/kg dry	0.0466	0.0929	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 15:57	KH
110-86-1	Pyridine	ND		mg/kg dry	0.186	0.372	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 15:57	KH
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	59.0 %	20-108								
4165-62-2	Surrogate: SURR: Phenol-d5	64.5 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	66.2 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	65.3 %	21-113								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	78.4 %	19-110								
1718-51-0	Surrogate: SURR: Terphenyl-d14	75.6 %	24-116								



Sample Information

Client Sample ID: SB01_0-2

York Sample ID: 21D1065-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1065

170655401

Soil

April 22, 2021 10:00 am

04/22/2021

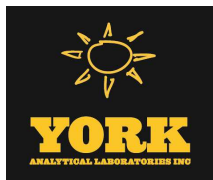
Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	0.0133		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/26/2021 13:37	04/28/2021 09:42	CM
72-55-9	4,4'-DDE	0.0535		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/26/2021 13:37	04/28/2021 09:42	CM
50-29-3	4,4'-DDT	0.0392		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/26/2021 13:37	04/28/2021 09:42	CM
309-00-2	Aldrin	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/26/2021 13:37	04/28/2021 09:42	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/26/2021 13:37	04/28/2021 09:42	CM
5103-71-9	alpha-Chlordane	0.163		mg/kg dry	0.00183	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	04/26/2021 13:37	04/28/2021 09:42	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/26/2021 13:37	04/28/2021 09:42	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/26/2021 13:37	04/28/2021 09:42	CM
60-57-1	Dieldrin	0.00981		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/26/2021 13:37	04/28/2021 09:42	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/26/2021 13:37	04/28/2021 09:42	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	04/26/2021 13:37	04/28/2021 09:42	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/26/2021 13:37	04/28/2021 09:42	CM
72-20-8	Endrin	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/26/2021 13:37	04/28/2021 09:42	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/26/2021 13:37	04/28/2021 09:42	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/26/2021 13:37	04/28/2021 09:42	CM
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/26/2021 13:37	04/28/2021 09:42	CM
5566-34-7	gamma-Chlordane	0.0590		mg/kg dry	0.00183	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	04/26/2021 13:37	04/28/2021 09:42	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/26/2021 13:37	04/28/2021 09:42	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/26/2021 13:37	04/28/2021 09:42	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/26/2021 13:37	04/28/2021 09:42	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/26/2021 13:37	04/28/2021 09:42	CM



Sample Information

Client Sample ID: SB01_0-2

York Sample ID: 21D1065-01

York Project (SDG) No.
21D1065

Client Project ID
170655401

Matrix
Soil

Collection Date/Time
April 22, 2021 10:00 am

Date Received
04/22/2021

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-74-9	* Chlordane, total	0.597		mg/kg dry	0.0367	5	EPA 8081B	04/26/2021 13:37	04/28/2021 09:42	CM
							Certifications:			
	Surrogate Recoveries	Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	73.2 %		30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	44.2 %		30-150						

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0185	1	EPA 8082A	04/26/2021 13:37	04/27/2021 16:35	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0185	1	EPA 8082A	04/26/2021 13:37	04/27/2021 16:35	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0185	1	EPA 8082A	04/26/2021 13:37	04/27/2021 16:35	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0185	1	EPA 8082A	04/26/2021 13:37	04/27/2021 16:35	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0185	1	EPA 8082A	04/26/2021 13:37	04/27/2021 16:35	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0185	1	EPA 8082A	04/26/2021 13:37	04/27/2021 16:35	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0185	1	EPA 8082A	04/26/2021 13:37	04/27/2021 16:35	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
37324-23-5	Aroclor 1262	ND		mg/kg dry	0.0185	1	EPA 8082A	04/26/2021 13:37	04/27/2021 16:35	BJ
							Certifications: NELAC-NY10854,NJDEP,PADEP			
11100-14-4	Aroclor 1268	ND		mg/kg dry	0.0185	1	EPA 8082A	04/26/2021 13:37	04/27/2021 16:35	BJ
							Certifications: NELAC-NY10854,NJDEP,PADEP			
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0185	1	EPA 8082A	04/26/2021 13:37	04/27/2021 16:35	BJ
							Certifications:			
	Surrogate Recoveries	Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	72.0 %		30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	40.0 %		30-120						

Herbicides, 8151 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0225	1	EPA 8151A	04/28/2021 07:44	04/28/2021 18:01	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			



Sample Information

Client Sample ID: SB01_0-2

York Sample ID: 21D1065-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1065

170655401

Soil

April 22, 2021 10:00 am

04/22/2021

Herbicides, 8151 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0225	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:44	04/28/2021 18:01	BJ
94-75-7	2,4-D	ND		mg/kg dry	0.0225	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:44	04/28/2021 18:01	BJ
Surrogate Recoveries		Result		Acceptance Range						
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (65.8 %			21-150						

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	8430		mg/kg dry	5.66	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:25	WJM
7440-36-0	Antimony	ND		mg/kg dry	2.83	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:25	WJM
7440-38-2	Arsenic	6.84		mg/kg dry	1.70	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:25	WJM
7440-39-3	Barium	70.2		mg/kg dry	2.83	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:25	WJM
7440-41-7	Beryllium	ND		mg/kg dry	0.057	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:25	WJM
7440-43-9	Cadmium	0.647		mg/kg dry	0.340	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:25	WJM
7440-70-2	Calcium	2770	B	mg/kg dry	5.66	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:25	WJM
7440-47-3	Chromium	21.1		mg/kg dry	0.566	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:25	WJM
7440-48-4	Cobalt	4.67		mg/kg dry	0.453	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:25	WJM
7440-50-8	Copper	37.3		mg/kg dry	2.27	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:25	WJM
7439-89-6	Iron	12300		mg/kg dry	28.3	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:25	WJM
7439-92-1	Lead	160		mg/kg dry	0.566	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:25	WJM
7439-95-4	Magnesium	1930		mg/kg dry	5.66	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:25	WJM
7439-96-5	Manganese	181		mg/kg dry	0.566	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:25	WJM
7440-02-0	Nickel	17.8		mg/kg dry	1.13	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:25	WJM



Sample Information

Client Sample ID: SB01_0-2

York Sample ID: 21D1065-01

York Project (SDG) No.

21D1065

Client Project ID

170655401

Matrix

Soil

Collection Date/Time

April 22, 2021 10:00 am

Date Received

04/22/2021

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
7440-09-7	Potassium	671		mg/kg dry	5.66	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:25	WJM
7782-49-2	Selenium	ND		mg/kg dry	2.83	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:25	WJM
7440-22-4	Silver	ND		mg/kg dry	0.566	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:25	WJM
7440-23-5	Sodium	ND		mg/kg dry	56.6	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:25	WJM
7440-28-0	Thallium	ND		mg/kg dry	2.83	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:25	WJM
7440-62-2	Vanadium	37.7		mg/kg dry	1.13	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:25	WJM
7440-66-6	Zinc	123		mg/kg dry	2.83	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:25	WJM

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	0.498		mg/kg dry	0.0340	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	04/27/2021 09:49	04/27/2021 14:43	AD

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	88.3		%	0.100	1	SM 2540G Certifications: CTDOH	04/27/2021 08:10	04/27/2021 15:07	SK



Sample Information

Client Sample ID: SB02_0-2

York Sample ID: 21D1065-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1065

170655401

Soil

April 22, 2021 1:15 pm

04/22/2021

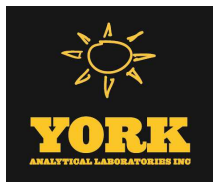
Volatiles, 8260 Comprehensive

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	04/27/2021 06:47	04/27/2021 21:52	MD
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	04/27/2021 06:47	04/27/2021 21:52	MD
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	04/27/2021 06:47	04/27/2021 21:52	MD
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	04/27/2021 06:47	04/27/2021 21:52	MD
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	04/27/2021 06:47	04/27/2021 21:52	MD
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	04/27/2021 06:47	04/27/2021 21:52	MD
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	04/27/2021 06:47	04/27/2021 21:52	MD
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	04/27/2021 06:47	04/27/2021 21:52	MD
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	04/27/2021 06:47	04/27/2021 21:52	MD
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	04/27/2021 06:47	04/27/2021 21:52	MD
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	04/27/2021 06:47	04/27/2021 21:52	MD
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	04/27/2021 06:47	04/27/2021 21:52	MD
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	04/27/2021 06:47	04/27/2021 21:52	MD
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	04/27/2021 06:47	04/27/2021 21:52	MD
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	04/27/2021 06:47	04/27/2021 21:52	MD
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	04/27/2021 06:47	04/27/2021 21:52	MD
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	04/27/2021 06:47	04/27/2021 21:52	MD
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	04/27/2021 06:47	04/27/2021 21:52	MD
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	04/27/2021 06:47	04/27/2021 21:52	MD
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.049	0.097	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 21:52	MD
78-93-3	2-Butanone	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 21:52	MD



Sample Information

Client Sample ID: SB02_0-2

York Sample ID: 21D1065-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1065

170655401

Soil

April 22, 2021 1:15 pm

04/22/2021

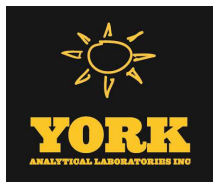
Volatiles, 8260 Comprehensive

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
591-78-6	2-Hexanone	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 21:52	MD
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	04/27/2021 06:47	04/27/2021 21:52	MD
67-64-1	Acetone	0.010		mg/kg dry	0.0049	0.0097	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 21:52	MD
107-02-8	Acrolein	ND		mg/kg dry	0.0049	0.0097	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 21:52	MD
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 21:52	MD
71-43-2	Benzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 21:52	MD
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 21:52	MD
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 21:52	MD
75-25-2	Bromoform	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 21:52	MD
74-83-9	Bromomethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 21:52	MD
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 21:52	MD
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 21:52	MD
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 21:52	MD
75-00-3	Chloroethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 21:52	MD
67-66-3	Chloroform	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 21:52	MD
74-87-3	Chloromethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 21:52	MD
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	04/27/2021 06:47	04/27/2021 21:52	MD
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	04/27/2021 06:47	04/27/2021 21:52	MD
110-82-7	Cyclohexane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 21:52	MD
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 21:52	MD
74-95-3	Dibromomethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 21:52	MD
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 21:52	MD



Sample Information

Client Sample ID: SB02_0-2

York Sample ID: 21D1065-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1065

170655401

Soil

April 22, 2021 1:15 pm

04/22/2021

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
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 21:52	MD
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 21:52	MD
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 21:52	MD
79-20-9	Methyl acetate	0.038		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 21:52	MD
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	04/27/2021 06:47	04/27/2021 21:52	MD
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 21:52	MD
75-09-2	Methylene chloride	ND		mg/kg dry	0.0049	0.0097	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 21:52	MD
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 21:52	MD
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 21:52	MD
95-47-6	o-Xylene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 21:52	MD
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0049	0.0097	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 21:52	MD
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 21:52	MD
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 21:52	MD
100-42-5	Styrene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 21:52	MD
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	04/27/2021 06:47	04/27/2021 21:52	MD
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 21:52	MD
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 21:52	MD
108-88-3	Toluene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 21:52	MD
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	04/27/2021 06:47	04/27/2021 21:52	MD
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	04/27/2021 06:47	04/27/2021 21:52	MD
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 21:52	MD
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 21:52	MD



Sample Information

Client Sample ID: SB02_0-2

York Sample ID: 21D1065-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1065

170655401

Soil

April 22, 2021 1:15 pm

04/22/2021

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
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 21:52	MD
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0073	0.015	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/27/2021 06:47	04/27/2021 21:52	MD
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	109 %		77-125							
2037-26-5	Surrogate: SURR: Toluene-d8	93.5 %		85-120							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	110 %		76-130							

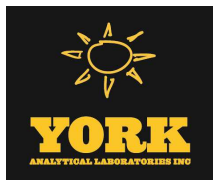
Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 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	0.0455	0.0907	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 16:58	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0907	0.181	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 16:58	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 16:58	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0907	0.181	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 16:58	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 16:58	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 16:58	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 16:58	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 16:58	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0907	0.181	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 16:58	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 16:58	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 16:58	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 16:58	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 16:58	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 16:58	KH



Sample Information

Client Sample ID: SB02_0-2

York Sample ID: 21D1065-03

York Project (SDG) No.
21D1065

Client Project ID
170655401

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Collection Date/Time
April 22, 2021 1:15 pm

Date Received
04/22/2021

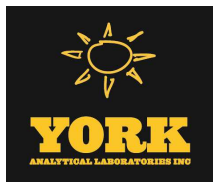
Semi-Volatiles, 8270 Comprehensive

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
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 16:58	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0907	0.181	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 16:58	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 16:58	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 16:58	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 16:58	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0907	0.181	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 16:58	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0907	0.181	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 16:58	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 16:58	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 16:58	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 16:58	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 16:58	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0907	0.181	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 16:58	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0907	0.181	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 16:58	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 16:58	KH
208-96-8	Acenaphthylene	0.115		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 16:58	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 16:58	KH
62-53-3	Aniline	ND		mg/kg dry	0.182	0.363	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 16:58	KH
120-12-7	Anthracene	0.186		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 16:58	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 16:58	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 16:58	KH
92-87-5	Benzidine	ND		mg/kg dry	0.182	0.363	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	04/29/2021 07:56	04/29/2021 16:58	KH
56-55-3	Benzo(a)anthracene	0.753		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 16:58	KH



Sample Information

Client Sample ID: SB02_0-2

York Sample ID: 21D1065-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1065

170655401

Soil

April 22, 2021 1:15 pm

04/22/2021

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
50-32-8	Benzo(a)pyrene	0.806		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 16:58	KH
205-99-2	Benzo(b)fluoranthene	0.661		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 16:58	KH
191-24-2	Benzo(g,h,i)perylene	0.637		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 16:58	KH
207-08-9	Benzo(k)fluoranthene	0.654		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 16:58	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 16:58	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 16:58	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 16:58	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 16:58	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 16:58	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 16:58	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 16:58	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0907	0.181	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 16:58	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 16:58	KH
218-01-9	Chrysene	0.791		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 16:58	KH
53-70-3	Dibenzo(a,h)anthracene	0.189		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 16:58	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 16:58	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 16:58	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 16:58	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 16:58	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 16:58	KH
122-39-4	Diphenylamine	ND		mg/kg dry	0.0907	0.181	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 16:58	KH
206-44-0	Fluoranthene	1.18		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 16:58	KH



Sample Information

Client Sample ID: SB02_0-2

York Sample ID: 21D1065-03

York Project (SDG) No.
21D1065

Client Project ID
170655401

Matrix
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Collection Date/Time
April 22, 2021 1:15 pm

Date Received
04/22/2021

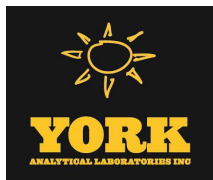
Semi-Volatiles, 8270 Comprehensive

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
86-73-7	Fluorene	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 16:58	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 16:58	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 16:58	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 16:58	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 16:58	KH
193-39-5	Indeno(1,2,3-cd)pyrene	0.579		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 16:58	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 16:58	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 16:58	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 16:58	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 16:58	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 16:58	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 16:58	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 16:58	KH
85-01-8	Phenanthrene	0.605		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 16:58	KH
108-95-2	Phenol	ND		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 16:58	KH
129-00-0	Pyrene	1.31		mg/kg dry	0.0455	0.0907	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 16:58	KH
110-86-1	Pyridine	ND		mg/kg dry	0.182	0.363	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 16:58	KH
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: SURR: 2-Fluorophenol	14.4 %	S-Alk	20-108							
4165-62-2	Surrogate: SURR: Phenol-d5	35.5 %		23-114							
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	47.6 %		22-108							
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	47.7 %		21-113							
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	2.20 %	S-Alk	19-110							
1718-51-0	Surrogate: SURR: Terphenyl-d14	51.7 %		24-116							



Sample Information

Client Sample ID: SB02_0-2

York Sample ID: 21D1065-03

York Project (SDG) No.
21D1065

Client Project ID
170655401

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Soil

Collection Date/Time
April 22, 2021 1:15 pm

Date Received
04/22/2021

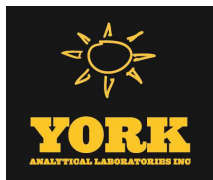
Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/26/2021 13:37	04/28/2021 09:58	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/26/2021 13:37	04/28/2021 09:58	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/26/2021 13:37	04/28/2021 09:58	CM
309-00-2	Aldrin	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/26/2021 13:37	04/28/2021 09:58	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/26/2021 13:37	04/28/2021 09:58	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	04/26/2021 13:37	04/28/2021 09:58	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/26/2021 13:37	04/28/2021 09:58	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/26/2021 13:37	04/28/2021 09:58	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/26/2021 13:37	04/28/2021 09:58	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/26/2021 13:37	04/28/2021 09:58	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	04/26/2021 13:37	04/28/2021 09:58	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/26/2021 13:37	04/28/2021 09:58	CM
72-20-8	Endrin	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/26/2021 13:37	04/28/2021 09:58	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/26/2021 13:37	04/28/2021 09:58	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/26/2021 13:37	04/28/2021 09:58	CM
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/26/2021 13:37	04/28/2021 09:58	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	04/26/2021 13:37	04/28/2021 09:58	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/26/2021 13:37	04/28/2021 09:58	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/26/2021 13:37	04/28/2021 09:58	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00181	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/26/2021 13:37	04/28/2021 09:58	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.181	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/26/2021 13:37	04/28/2021 09:58	CM



Sample Information

Client Sample ID: SB02_0-2

York Sample ID: 21D1065-03

York Project (SDG) No.
21D1065

Client Project ID
170655401

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Soil

Collection Date/Time
April 22, 2021 1:15 pm

Date Received
04/22/2021

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0363	5	EPA 8081B Certifications:	04/26/2021 13:37	04/28/2021 09:58	CM
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	90.7 %		30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	48.4 %		30-150						

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/26/2021 13:37	04/27/2021 16:49	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/26/2021 13:37	04/27/2021 16:49	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/26/2021 13:37	04/27/2021 16:49	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/26/2021 13:37	04/27/2021 16:49	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/26/2021 13:37	04/27/2021 16:49	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/26/2021 13:37	04/27/2021 16:49	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/26/2021 13:37	04/27/2021 16:49	BJ
37324-23-5	Aroclor 1262	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	04/26/2021 13:37	04/27/2021 16:49	BJ
11100-14-4	Aroclor 1268	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	04/26/2021 13:37	04/27/2021 16:49	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications:	04/26/2021 13:37	04/27/2021 16:49	BJ
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	84.0 %		30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	57.5 %		30-120						

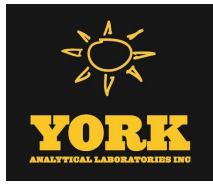
Herbicides, 8151 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0220	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:44	04/28/2021 18:12	BJ



Sample Information

Client Sample ID: SB02_0-2

York Sample ID: 21D1065-03

York Project (SDG) No.

Client Project ID

Matrix

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21D1065

170655401

Soil

April 22, 2021 1:15 pm

04/22/2021

Herbicides, 8151 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0220	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:44	04/28/2021 18:12	BJ
94-75-7	2,4-D	ND		mg/kg dry	0.0220	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/28/2021 07:44	04/28/2021 18:12	BJ
Surrogate Recoveries		Result		Acceptance Range						
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (. 34.4 %			21-150						

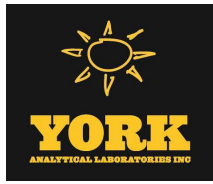
Metals, Target Analyte

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	8130		mg/kg dry	5.53	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:28	WJM
7440-36-0	Antimony	ND		mg/kg dry	2.76	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:28	WJM
7440-38-2	Arsenic	5.00		mg/kg dry	1.66	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:28	WJM
7440-39-3	Barium	165		mg/kg dry	2.76	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:28	WJM
7440-41-7	Beryllium	ND		mg/kg dry	0.055	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:28	WJM
7440-43-9	Cadmium	0.514		mg/kg dry	0.332	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:28	WJM
7440-70-2	Calcium	48500	B	mg/kg dry	5.53	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:28	WJM
7440-47-3	Chromium	14.5		mg/kg dry	0.553	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:28	WJM
7440-48-4	Cobalt	6.02		mg/kg dry	0.442	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:28	WJM
7440-50-8	Copper	78.7		mg/kg dry	2.21	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:28	WJM
7439-89-6	Iron	15300		mg/kg dry	27.6	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:28	WJM
7439-92-1	Lead	167		mg/kg dry	0.553	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:28	WJM
7439-95-4	Magnesium	3260		mg/kg dry	5.53	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:28	WJM
7439-96-5	Manganese	328		mg/kg dry	0.553	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:28	WJM
7440-02-0	Nickel	36.3		mg/kg dry	1.11	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:28	WJM



Sample Information

Client Sample ID: SB02_0-2

York Sample ID: 21D1065-03

York Project (SDG) No.

21D1065

Client Project ID

170655401

Matrix

Soil

Collection Date/Time

April 22, 2021 1:15 pm

Date Received

04/22/2021

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
7440-09-7	Potassium	971		mg/kg dry	5.53	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:28	WJM
7782-49-2	Selenium	ND		mg/kg dry	2.76	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:28	WJM
7440-22-4	Silver	ND		mg/kg dry	0.553	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:28	WJM
7440-23-5	Sodium	172		mg/kg dry	55.3	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:28	WJM
7440-28-0	Thallium	ND		mg/kg dry	2.76	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:28	WJM
7440-62-2	Vanadium	24.1		mg/kg dry	1.11	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:28	WJM
7440-66-6	Zinc	245		mg/kg dry	2.76	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:28	WJM

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	1.78		mg/kg dry	0.0332	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	04/27/2021 09:49	04/27/2021 12:59	AD

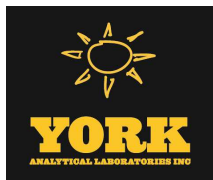
Total Solids

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	90.4		%	0.100	1	SM 2540G Certifications: CTDOH	04/27/2021 08:10	04/27/2021 15:07	SK



Sample Information

Client Sample ID: SB03_14-16

York Sample ID: 21D1065-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1065

170655401

Soil

April 22, 2021 12:25 pm

04/22/2021

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	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:57	MD
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:57	MD
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:57	MD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/27/2021 06:47	04/27/2021 14:57	MD
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:57	MD
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:57	MD
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:57	MD
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:57	MD
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	04/27/2021 06:47	04/27/2021 14:57	MD
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:57	MD
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:57	MD
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:57	MD
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:57	MD
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:57	MD
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:57	MD
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:57	MD
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:57	MD
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:57	MD
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:57	MD
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.033	0.067	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:57	MD
78-93-3	2-Butanone	0.0040		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:57	MD



Sample Information

Client Sample ID: SB03_14-16

York Sample ID: 21D1065-06

York Project (SDG) No.
21D1065

Client Project ID
170655401

Matrix
Soil

Collection Date/Time
April 22, 2021 12:25 pm

Date Received
04/22/2021

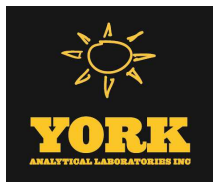
Volatiles, 8260 Comprehensive

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
591-78-6	2-Hexanone	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:57	MD
108-10-1	4-Methyl-2-pentanone	0.0017	J	mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:57	MD
67-64-1	Acetone	0.011	ICV-E	mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:57	MD
107-02-8	Acrolein	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:57	MD
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:57	MD
71-43-2	Benzene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:57	MD
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:57	MD
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:57	MD
75-25-2	Bromoform	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:57	MD
74-83-9	Bromomethane	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:57	MD
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:57	MD
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:57	MD
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:57	MD
75-00-3	Chloroethane	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:57	MD
67-66-3	Chloroform	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:57	MD
74-87-3	Chloromethane	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:57	MD
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:57	MD
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:57	MD
110-82-7	Cyclohexane	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:57	MD
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:57	MD
74-95-3	Dibromomethane	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:57	MD
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:57	MD



Sample Information

Client Sample ID: SB03_14-16

York Sample ID: 21D1065-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1065

170655401

Soil

April 22, 2021 12:25 pm

04/22/2021

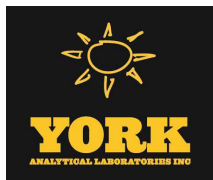
Volatiles, 8260 Comprehensive

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
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:57	MD
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:57	MD
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:57	MD
79-20-9	Methyl acetate	0.0037		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:57	MD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:57	MD
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:57	MD
75-09-2	Methylene chloride	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:57	MD
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:57	MD
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:57	MD
95-47-6	o-Xylene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:57	MD
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:57	MD
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:57	MD
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:57	MD
100-42-5	Styrene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:57	MD
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:57	MD
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:57	MD
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:57	MD
108-88-3	Toluene	0.0019	J	mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:57	MD
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:57	MD
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:57	MD
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:57	MD
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:57	MD



Sample Information

Client Sample ID: SB03_14-16

York Sample ID: 21D1065-06

York Project (SDG) No.
21D1065

Client Project ID
170655401

Matrix
Soil

Collection Date/Time
April 22, 2021 12:25 pm

Date Received
04/22/2021

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
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:57	MD
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0050	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/27/2021 06:47	04/27/2021 14:57	MD
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	103 %		77-125							
2037-26-5	Surrogate: SURR: Toluene-d8	102 %		85-120							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	107 %		76-130							

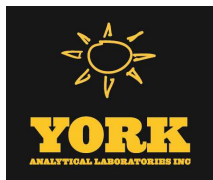
Semi-Volatiles, 8270 Comprehensive

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	0.310		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 18:29	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	04/29/2021 07:56	04/29/2021 18:29	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	04/29/2021 07:56	04/29/2021 18:29	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0940	0.188	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 18:29	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	04/29/2021 07:56	04/29/2021 18:29	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	04/29/2021 07:56	04/29/2021 18:29	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 18:29	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 18:29	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0940	0.188	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 18:29	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 18:29	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 18:29	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 18:29	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 18:29	KH
91-57-6	2-Methylnaphthalene	0.468		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 18:29	KH



Sample Information

Client Sample ID: SB03_14-16

York Sample ID: 21D1065-06

York Project (SDG) No.
21D1065

Client Project ID
170655401

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April 22, 2021 12:25 pm

Date Received
04/22/2021

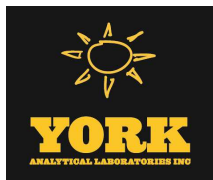
Semi-Volatiles, 8270 Comprehensive

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
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 18:29	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0940	0.188	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 18:29	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 18:29	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 18:29	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 18:29	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0940	0.188	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 18:29	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	04/29/2021 07:56	04/29/2021 18:29	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	04/29/2021 07:56	04/29/2021 18:29	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	04/29/2021 07:56	04/29/2021 18:29	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 18:29	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	04/29/2021 07:56	04/29/2021 18:29	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0940	0.188	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 18:29	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0940	0.188	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 18:29	KH
83-32-9	Acenaphthene	4.93		mg/kg dry	0.236	0.470	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 17:59	KH
208-96-8	Acenaphthylene	0.216		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 18:29	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 18:29	KH
62-53-3	Aniline	ND		mg/kg dry	0.188	0.377	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 18:29	KH
120-12-7	Anthracene	19.9		mg/kg dry	0.589	1.18	25	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 17:28	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 18:29	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 18:29	KH
92-87-5	Benzidine	ND		mg/kg dry	0.188	0.377	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	04/29/2021 07:56	04/29/2021 18:29	KH
56-55-3	Benzo(a)anthracene	26.8		mg/kg dry	0.589	1.18	25	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 17:28	KH



Sample Information

Client Sample ID: SB03_14-16

York Sample ID: 21D1065-06

York Project (SDG) No.

Client Project ID

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21D1065

170655401

Soil

April 22, 2021 12:25 pm

04/22/2021

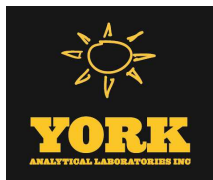
Semi-Volatiles, 8270 Comprehensive

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
50-32-8	Benzo(a)pyrene	24.9		mg/kg dry	0.589	1.18	25	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 17:28	KH
205-99-2	Benzo(b)fluoranthene	21.2		mg/kg dry	0.589	1.18	25	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 17:28	KH
191-24-2	Benzo(g,h,i)perylene	14.9		mg/kg dry	0.236	0.470	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 17:59	KH
207-08-9	Benzo(k)fluoranthene	15.0		mg/kg dry	0.236	0.470	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 17:59	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 18:29	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 18:29	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 18:29	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	04/29/2021 07:56	04/29/2021 18:29	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	04/29/2021 07:56	04/29/2021 18:29	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	04/29/2021 07:56	04/29/2021 18:29	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	04/29/2021 07:56	04/29/2021 18:29	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0940	0.188	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 18:29	KH
86-74-8	Carbazole	4.47		mg/kg dry	0.236	0.470	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 17:59	KH
218-01-9	Chrysene	23.3		mg/kg dry	0.589	1.18	25	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 17:28	KH
53-70-3	Dibenzo(a,h)anthracene	5.39		mg/kg dry	0.236	0.470	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 17:59	KH
132-64-9	Dibenzofuran	5.06		mg/kg dry	0.236	0.470	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 17:59	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 18:29	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 18:29	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	04/29/2021 07:56	04/29/2021 18:29	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	04/29/2021 07:56	04/29/2021 18:29	KH
122-39-4	Diphenylamine	ND		mg/kg dry	0.0940	0.188	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 18:29	KH
206-44-0	Fluoranthene	81.6		mg/kg dry	2.36	4.70	100	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/30/2021 10:11	CD



Sample Information

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April 22, 2021 12:25 pm

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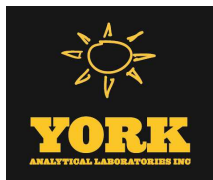
Semi-Volatiles, 8270 Comprehensive

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
86-73-7	Fluorene	7.18		mg/kg dry	0.236	0.470	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 17:59	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 18:29	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 18:29	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 18:29	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 18:29	KH
193-39-5	Indeno(1,2,3-cd)pyrene	14.9		mg/kg dry	0.236	0.470	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 17:59	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 18:29	KH
91-20-3	Naphthalene	0.357		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 18:29	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 18:29	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 18:29	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	04/29/2021 07:56	04/29/2021 18:29	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 18:29	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 18:29	KH
85-01-8	Phenanthrene	79.0		mg/kg dry	2.36	4.70	100	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/30/2021 10:11	CD
108-95-2	Phenol	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 18:29	KH
129-00-0	Pyrene	65.0		mg/kg dry	2.36	4.70	100	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/30/2021 10:11	CD
110-86-1	Pyridine	ND		mg/kg dry	0.188	0.377	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 18:29	KH
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	67.2 %	20-108								
4165-62-2	Surrogate: SURR: Phenol-d5	69.0 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	72.5 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	68.9 %	21-113								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	78.1 %	19-110								
1718-51-0	Surrogate: SURR: Terphenyl-d14	80.2 %	24-116								



Sample Information

Client Sample ID: SB03_14-16

York Sample ID: 21D1065-06

York Project (SDG) No.
21D1065

Client Project ID
170655401

Matrix
Soil

Collection Date/Time
April 22, 2021 12:25 pm

Date Received
04/22/2021

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/26/2021 13:37	04/27/2021 17:03	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/26/2021 13:37	04/27/2021 17:03	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/26/2021 13:37	04/27/2021 17:03	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/26/2021 13:37	04/27/2021 17:03	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/26/2021 13:37	04/27/2021 17:03	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/26/2021 13:37	04/27/2021 17:03	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/26/2021 13:37	04/27/2021 17:03	BJ
37324-23-5	Aroclor 1262	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	04/26/2021 13:37	04/27/2021 17:03	BJ
11100-14-4	Aroclor 1268	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	04/26/2021 13:37	04/27/2021 17:03	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications:	04/26/2021 13:37	04/27/2021 17:03	BJ
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	50.0 %		30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	36.5 %		30-120						

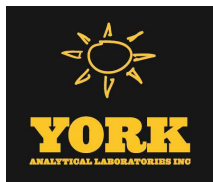
Metals, Target Analyte

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	10800		mg/kg dry	5.73	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:31	WJM
7440-36-0	Antimony	ND		mg/kg dry	2.87	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:31	WJM
7440-38-2	Arsenic	ND		mg/kg dry	1.72	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:31	WJM
7440-39-3	Barium	45.0		mg/kg dry	2.87	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:31	WJM
7440-41-7	Beryllium	ND		mg/kg dry	0.057	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:31	WJM
7440-43-9	Cadmium	ND		mg/kg dry	0.344	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:31	WJM
7440-70-2	Calcium	2800	B	mg/kg dry	5.73	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:31	WJM



Sample Information

Client Sample ID: SB03_14-16

York Sample ID: 21D1065-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1065

170655401

Soil

April 22, 2021 12:25 pm

04/22/2021

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
7440-47-3	Chromium	17.6		mg/kg dry	0.573	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:31	WJM
7440-48-4	Cobalt	7.41		mg/kg dry	0.458	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:31	WJM
7440-50-8	Copper	14.1		mg/kg dry	2.29	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:31	WJM
7439-89-6	Iron	20300		mg/kg dry	28.7	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:31	WJM
7439-92-1	Lead	21.6		mg/kg dry	0.573	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:31	WJM
7439-95-4	Magnesium	3120		mg/kg dry	5.73	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:31	WJM
7439-96-5	Manganese	185		mg/kg dry	0.573	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:31	WJM
7440-02-0	Nickel	13.6		mg/kg dry	1.15	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:31	WJM
7440-09-7	Potassium	2720		mg/kg dry	5.73	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:31	WJM
7782-49-2	Selenium	ND		mg/kg dry	2.87	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:31	WJM
7440-22-4	Silver	ND		mg/kg dry	0.573	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:31	WJM
7440-23-5	Sodium	78.5		mg/kg dry	57.3	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:31	WJM
7440-28-0	Thallium	ND		mg/kg dry	2.87	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:31	WJM
7440-62-2	Vanadium	26.7		mg/kg dry	1.15	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:31	WJM
7440-66-6	Zinc	35.9		mg/kg dry	2.87	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:31	WJM

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	0.0983		mg/kg dry	0.0344	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	04/27/2021 09:49	04/27/2021 13:14	AD

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
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Sample Information

Client Sample ID: SB03_14-16

York Sample ID: 21D1065-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1065

170655401

Soil

April 22, 2021 12:25 pm

04/22/2021

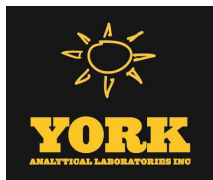
Total Solids

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	87.2		%	0.100	1	SM 2540G Certifications: CTDOH	04/27/2021 08:10	04/27/2021 15:07	SK



Sample Information

Client Sample ID: SB04_2-4

York Sample ID: 21D1065-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1065

170655401

Soil

April 22, 2021 3:25 pm

04/22/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:24	MD
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:24	MD
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:24	MD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/27/2021 06:47	04/27/2021 15:24	MD
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:24	MD
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:24	MD
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:24	MD
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:24	MD
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	04/27/2021 06:47	04/27/2021 15:24	MD
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:24	MD
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:24	MD
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:24	MD
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:24	MD
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:24	MD
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:24	MD
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:24	MD
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:24	MD
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:24	MD
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:24	MD
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.047	0.093	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:24	MD
78-93-3	2-Butanone	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:24	MD



Sample Information

Client Sample ID: SB04_2-4

York Sample ID: 21D1065-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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21D1065

170655401

Soil

April 22, 2021 3:25 pm

04/22/2021

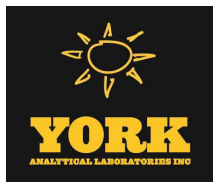
Volatiles, 8260 Comprehensive

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
591-78-6	2-Hexanone	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:24	MD
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:24	MD
67-64-1	Acetone	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:24	MD
107-02-8	Acrolein	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:24	MD
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:24	MD
71-43-2	Benzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:24	MD
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:24	MD
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:24	MD
75-25-2	Bromoform	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:24	MD
74-83-9	Bromomethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:24	MD
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:24	MD
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:24	MD
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:24	MD
75-00-3	Chloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:24	MD
67-66-3	Chloroform	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:24	MD
74-87-3	Chloromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:24	MD
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:24	MD
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:24	MD
110-82-7	Cyclohexane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:24	MD
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:24	MD
74-95-3	Dibromomethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:24	MD
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:24	MD



Sample Information

Client Sample ID: SB04_2-4

York Sample ID: 21D1065-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1065

170655401

Soil

April 22, 2021 3:25 pm

04/22/2021

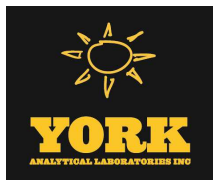
Volatiles, 8260 Comprehensive

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
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:24	MD
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:24	MD
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:24	MD
79-20-9	Methyl acetate	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:24	MD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:24	MD
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:24	MD
75-09-2	Methylene chloride	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:24	MD
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:24	MD
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:24	MD
95-47-6	o-Xylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:24	MD
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:24	MD
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:24	MD
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:24	MD
100-42-5	Styrene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:24	MD
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:24	MD
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:24	MD
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:24	MD
108-88-3	Toluene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:24	MD
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:24	MD
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:24	MD
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:24	MD
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:24	MD



Sample Information

Client Sample ID: SB04_2-4

York Sample ID: 21D1065-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1065

170655401

Soil

April 22, 2021 3:25 pm

04/22/2021

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
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:24	MD
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0070	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/27/2021 06:47	04/27/2021 15:24	MD
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	102 %		77-125							
2037-26-5	Surrogate: SURR: Toluene-d8	109 %		85-120							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	113 %		76-130							

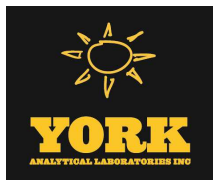
Semi-Volatiles, 8270 Comprehensive

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	0.183		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 19:30	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0898	0.179	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 19:30	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 19:30	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0898	0.179	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 19:30	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 19:30	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 19:30	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 19:30	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 19:30	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0898	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 19:30	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 19:30	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 19:30	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 19:30	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 19:30	KH
91-57-6	2-Methylnaphthalene	0.434		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 19:30	KH



Sample Information

Client Sample ID: SB04_2-4

York Sample ID: 21D1065-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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21D1065

170655401

Soil

April 22, 2021 3:25 pm

04/22/2021

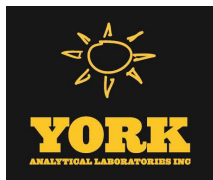
Semi-Volatiles, 8270 Comprehensive

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
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 19:30	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0898	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 19:30	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 19:30	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 19:30	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 19:30	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0898	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 19:30	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0898	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 19:30	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 19:30	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 19:30	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 19:30	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 19:30	KH
100-01-6	4-Nitroaniline	0.979		mg/kg dry	0.0898	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 19:30	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0898	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 19:30	KH
83-32-9	Acenaphthene	0.852		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 19:30	KH
208-96-8	Acenaphthylene	0.267		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 19:30	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 19:30	KH
62-53-3	Aniline	ND		mg/kg dry	0.180	0.360	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 19:30	KH
120-12-7	Anthracene	4.35		mg/kg dry	0.113	0.225	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 18:59	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 19:30	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 19:30	KH
92-87-5	Benzidine	ND		mg/kg dry	0.180	0.360	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	04/29/2021 07:56	04/29/2021 19:30	KH
56-55-3	Benzo(a)anthracene	6.92		mg/kg dry	0.113	0.225	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 18:59	KH



Sample Information

Client Sample ID: SB04_2-4

York Sample ID: 21D1065-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1065

170655401

Soil

April 22, 2021 3:25 pm

04/22/2021

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
50-32-8	Benzo(a)pyrene	6.11		mg/kg dry	0.113	0.225	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 18:59	KH
205-99-2	Benzo(b)fluoranthene	5.12		mg/kg dry	0.113	0.225	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 18:59	KH
191-24-2	Benzo(g,h,i)perylene	4.08		mg/kg dry	0.113	0.225	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 18:59	KH
207-08-9	Benzo(k)fluoranthene	4.69		mg/kg dry	0.113	0.225	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 18:59	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 19:30	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 19:30	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 19:30	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 19:30	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 19:30	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 19:30	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 19:30	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0898	0.179	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 19:30	KH
86-74-8	Carbazole	1.37		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 19:30	KH
218-01-9	Chrysene	6.29		mg/kg dry	0.113	0.225	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 18:59	KH
53-70-3	Dibenzo(a,h)anthracene	1.35		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 19:30	KH
132-64-9	Dibenzofuran	1.38		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 19:30	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 19:30	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 19:30	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 19:30	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 19:30	KH
122-39-4	Diphenylamine	ND		mg/kg dry	0.0898	0.179	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 19:30	KH
206-44-0	Fluoranthene	19.8		mg/kg dry	0.450	0.898	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/30/2021 10:42	CD



Sample Information

Client Sample ID: SB04_2-4

York Sample ID: 21D1065-07

York Project (SDG) No.
21D1065

Client Project ID
170655401

Matrix
Soil

Collection Date/Time
April 22, 2021 3:25 pm

Date Received
04/22/2021

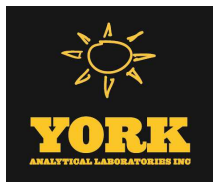
Semi-Volatiles, 8270 Comprehensive

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
86-73-7	Fluorene	0.821		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 19:30	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 19:30	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 19:30	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 19:30	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 19:30	KH
193-39-5	Indeno(1,2,3-cd)pyrene	4.06		mg/kg dry	0.113	0.225	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 18:59	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 19:30	KH
91-20-3	Naphthalene	0.574		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 19:30	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 19:30	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 19:30	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 19:30	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 19:30	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 19:30	KH
85-01-8	Phenanthrene	20.5		mg/kg dry	0.450	0.898	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/30/2021 10:42	CD
108-95-2	Phenol	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 19:30	KH
129-00-0	Pyrene	15.0		mg/kg dry	0.450	0.898	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/30/2021 10:42	CD
110-86-1	Pyridine	ND		mg/kg dry	0.180	0.360	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 19:30	KH
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	69.9 %	20-108								
4165-62-2	Surrogate: SURR: Phenol-d5	72.4 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	81.4 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	77.2 %	21-113								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	88.5 %	19-110								
1718-51-0	Surrogate: SURR: Terphenyl-d14	87.0 %	24-116								



Sample Information

Client Sample ID: SB04_2-4

York Sample ID: 21D1065-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1065

170655401

Soil

April 22, 2021 3:25 pm

04/22/2021

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/26/2021 13:37	04/27/2021 17:16	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/26/2021 13:37	04/27/2021 17:16	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/26/2021 13:37	04/27/2021 17:16	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/26/2021 13:37	04/27/2021 17:16	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/26/2021 13:37	04/27/2021 17:16	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/26/2021 13:37	04/27/2021 17:16	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/26/2021 13:37	04/27/2021 17:16	BJ
37324-23-5	Aroclor 1262	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	04/26/2021 13:37	04/27/2021 17:16	BJ
11100-14-4	Aroclor 1268	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	04/26/2021 13:37	04/27/2021 17:16	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications:	04/26/2021 13:37	04/27/2021 17:16	BJ
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	81.5 %		30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	57.5 %		30-120						

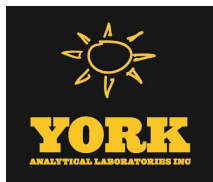
Metals, Target Analyte

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	5140		mg/kg dry	5.48	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:34	WJM
7440-36-0	Antimony	63.2		mg/kg dry	2.74	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:34	WJM
7440-38-2	Arsenic	16.1		mg/kg dry	1.64	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:34	WJM
7440-39-3	Barium	319		mg/kg dry	2.74	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:34	WJM
7440-41-7	Beryllium	ND		mg/kg dry	0.055	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:34	WJM
7440-43-9	Cadmium	2.46		mg/kg dry	0.329	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:34	WJM
7440-70-2	Calcium	8880	B	mg/kg dry	5.48	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:34	WJM



Sample Information

Client Sample ID: SB04_2-4

York Sample ID: 21D1065-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1065

170655401

Soil

April 22, 2021 3:25 pm

04/22/2021

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
7440-47-3	Chromium	13.7		mg/kg dry	0.548	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:34	WJM
7440-48-4	Cobalt	6.83		mg/kg dry	0.438	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:34	WJM
7440-50-8	Copper	288		mg/kg dry	2.19	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:34	WJM
7439-89-6	Iron	65500		mg/kg dry	27.4	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:34	WJM
7439-92-1	Lead	6570		mg/kg dry	0.548	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:34	WJM
7439-95-4	Magnesium	2020		mg/kg dry	5.48	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:34	WJM
7439-96-5	Manganese	462		mg/kg dry	0.548	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:34	WJM
7440-02-0	Nickel	19.7		mg/kg dry	1.10	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:34	WJM
7440-09-7	Potassium	945		mg/kg dry	5.48	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:34	WJM
7782-49-2	Selenium	ND		mg/kg dry	2.74	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:34	WJM
7440-22-4	Silver	ND		mg/kg dry	0.548	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:34	WJM
7440-23-5	Sodium	137		mg/kg dry	54.8	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:34	WJM
7440-28-0	Thallium	ND		mg/kg dry	2.74	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:34	WJM
7440-62-2	Vanadium	17.9		mg/kg dry	1.10	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:34	WJM
7440-66-6	Zinc	1020		mg/kg dry	2.74	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:34	WJM

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	0.943		mg/kg dry	0.0329	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	04/27/2021 09:49	04/27/2021 13:24	AD

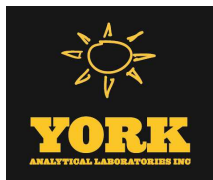
Total Solids

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
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Sample Information

Client Sample ID: SB04_2-4

York Sample ID: 21D1065-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1065

170655401

Soil

April 22, 2021 3:25 pm

04/22/2021

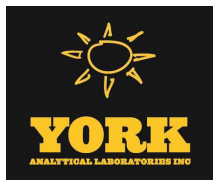
Total Solids

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	91.3		%	0.100	1	SM 2540G Certifications: CTDOH	04/27/2021 08:10	04/27/2021 15:07	SK



Sample Information

Client Sample ID: SB05_10-12

York Sample ID: 21D1065-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1065

170655401

Soil

April 22, 2021 11:20 am

04/22/2021

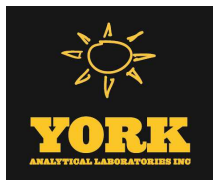
Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:14	KHA
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:14	KHA
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:14	KHA
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/27/2021 06:47	04/27/2021 14:14	KHA
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:14	KHA
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:14	KHA
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:14	KHA
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:14	KHA
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	04/27/2021 06:47	04/27/2021 14:14	KHA
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:14	KHA
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:14	KHA
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:14	KHA
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:14	KHA
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:14	KHA
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:14	KHA
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:14	KHA
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:14	KHA
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:14	KHA
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:14	KHA
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.051	0.10	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:14	KHA
78-93-3	2-Butanone	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:14	KHA



Sample Information

Client Sample ID: SB05_10-12

York Sample ID: 21D1065-09

York Project (SDG) No.
21D1065

Client Project ID
170655401

Matrix
Soil

Collection Date/Time
April 22, 2021 11:20 am

Date Received
04/22/2021

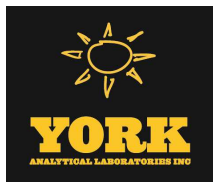
Volatiles, 8260 Comprehensive

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
591-78-6	2-Hexanone	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:14	KHA
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:14	KHA
67-64-1	Acetone	0.0071	J	mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:14	KHA
107-02-8	Acrolein	ND		mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:14	KHA
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:14	KHA
71-43-2	Benzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:14	KHA
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:14	KHA
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:14	KHA
75-25-2	Bromoform	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:14	KHA
74-83-9	Bromomethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:14	KHA
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:14	KHA
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:14	KHA
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:14	KHA
75-00-3	Chloroethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:14	KHA
67-66-3	Chloroform	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:14	KHA
74-87-3	Chloromethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:14	KHA
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:14	KHA
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:14	KHA
110-82-7	Cyclohexane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:14	KHA
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:14	KHA
74-95-3	Dibromomethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:14	KHA
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:14	KHA



Sample Information

Client Sample ID: SB05_10-12

York Sample ID: 21D1065-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1065

170655401

Soil

April 22, 2021 11:20 am

04/22/2021

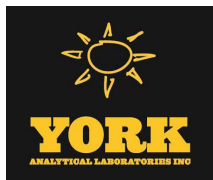
Volatiles, 8260 Comprehensive

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
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:14	KHA
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:14	KHA
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:14	KHA
79-20-9	Methyl acetate	0.013		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:14	KHA
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:14	KHA
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:14	KHA
75-09-2	Methylene chloride	ND		mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:14	KHA
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:14	KHA
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:14	KHA
95-47-6	o-Xylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:14	KHA
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:14	KHA
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:14	KHA
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:14	KHA
100-42-5	Styrene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:14	KHA
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:14	KHA
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:14	KHA
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:14	KHA
108-88-3	Toluene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:14	KHA
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:14	KHA
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:14	KHA
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:14	KHA
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:14	KHA



Sample Information

Client Sample ID: SB05_10-12

York Sample ID: 21D1065-09

York Project (SDG) No.
21D1065

Client Project ID
170655401

Matrix
Soil

Collection Date/Time
April 22, 2021 11:20 am

Date Received
04/22/2021

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
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 14:14	KHA
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0076	0.015	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/27/2021 06:47	04/27/2021 14:14	KHA
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	97.6 %		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 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	0.0463	0.0924	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:00	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0924	0.185	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:00	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:00	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0924	0.185	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:00	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:00	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:00	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:00	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:00	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0924	0.185	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:00	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:00	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:00	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:00	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:00	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:00	KH



Sample Information

Client Sample ID: SB05_10-12

York Sample ID: 21D1065-09

York Project (SDG) No.
21D1065

Client Project ID
170655401

Matrix
Soil

Collection Date/Time
April 22, 2021 11:20 am

Date Received
04/22/2021

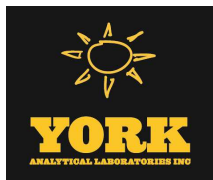
Semi-Volatiles, 8270 Comprehensive

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
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:00	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0924	0.185	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:00	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:00	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:00	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:00	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0924	0.185	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:00	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0924	0.185	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:00	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:00	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:00	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:00	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:00	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0924	0.185	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:00	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0924	0.185	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:00	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:00	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:00	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:00	KH
62-53-3	Aniline	ND		mg/kg dry	0.185	0.370	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:00	KH
120-12-7	Anthracene	0.0657	J	mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:00	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:00	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:00	KH
92-87-5	Benzidine	ND		mg/kg dry	0.185	0.370	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	04/29/2021 07:56	04/29/2021 20:00	KH
56-55-3	Benzo(a)anthracene	0.192		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:00	KH



Sample Information

Client Sample ID: SB05_10-12

York Sample ID: 21D1065-09

York Project (SDG) No.
21D1065

Client Project ID
170655401

Matrix
Soil

Collection Date/Time
April 22, 2021 11:20 am

Date Received
04/22/2021

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
50-32-8	Benzo(a)pyrene	0.189		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:00	KH
205-99-2	Benzo(b)fluoranthene	0.150		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:00	KH
191-24-2	Benzo(g,h,i)perylene	0.134		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:00	KH
207-08-9	Benzo(k)fluoranthene	0.155		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:00	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:00	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:00	KH
85-68-7	Benzyl butyl phthalate	0.304		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:00	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:00	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:00	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:00	KH
117-81-7	Bis(2-ethylhexyl)phthalate	0.0850	J	mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:00	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0924	0.185	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:00	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:00	KH
218-01-9	Chrysene	0.177		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:00	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:00	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:00	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:00	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:00	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:00	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:00	KH
122-39-4	Diphenylamine	ND		mg/kg dry	0.0924	0.185	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:00	KH
206-44-0	Fluoranthene	0.346		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:00	KH



Sample Information

Client Sample ID: SB05_10-12

York Sample ID: 21D1065-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1065

170655401

Soil

April 22, 2021 11:20 am

04/22/2021

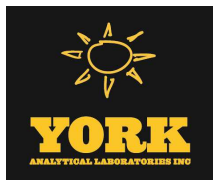
Semi-Volatiles, 8270 Comprehensive

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
86-73-7	Fluorene	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:00	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:00	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:00	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:00	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:00	KH
193-39-5	Indeno(1,2,3-cd)pyrene	0.133		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:00	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:00	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:00	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:00	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:00	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:00	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:00	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:00	KH
85-01-8	Phenanthrene	0.264		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:00	KH
108-95-2	Phenol	ND		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:00	KH
129-00-0	Pyrene	0.295		mg/kg dry	0.0463	0.0924	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:00	KH
110-86-1	Pyridine	ND		mg/kg dry	0.185	0.370	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:00	KH
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	35.5 %	20-108								
4165-62-2	Surrogate: SURR: Phenol-d5	36.2 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	42.6 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	39.6 %	21-113								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	40.2 %	19-110								
1718-51-0	Surrogate: SURR: Terphenyl-d14	44.4 %	24-116								



Sample Information

Client Sample ID: SB05_10-12

York Sample ID: 21D1065-09

York Project (SDG) No.
21D1065

Client Project ID
170655401

Matrix
Soil

Collection Date/Time
April 22, 2021 11:20 am

Date Received
04/22/2021

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/26/2021 13:37	04/27/2021 17:30	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/26/2021 13:37	04/27/2021 17:30	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/26/2021 13:37	04/27/2021 17:30	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/26/2021 13:37	04/27/2021 17:30	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/26/2021 13:37	04/27/2021 17:30	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/26/2021 13:37	04/27/2021 17:30	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/26/2021 13:37	04/27/2021 17:30	BJ
37324-23-5	Aroclor 1262	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	04/26/2021 13:37	04/27/2021 17:30	BJ
11100-14-4	Aroclor 1268	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	04/26/2021 13:37	04/27/2021 17:30	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications:	04/26/2021 13:37	04/27/2021 17:30	BJ
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	83.5 %		30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	59.5 %		30-120						

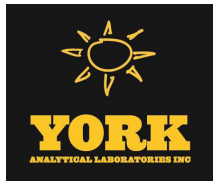
Metals, Target Analyte

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	5330		mg/kg dry	5.63	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:37	WJM
7440-36-0	Antimony	ND		mg/kg dry	2.82	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:37	WJM
7440-38-2	Arsenic	4.82		mg/kg dry	1.69	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:37	WJM
7440-39-3	Barium	45.7		mg/kg dry	2.82	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:37	WJM
7440-41-7	Beryllium	ND		mg/kg dry	0.056	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:37	WJM
7440-43-9	Cadmium	ND		mg/kg dry	0.338	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:37	WJM
7440-70-2	Calcium	4000	B	mg/kg dry	5.63	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:37	WJM



Sample Information

Client Sample ID: SB05_10-12

York Sample ID: 21D1065-09

York Project (SDG) No.

21D1065

Client Project ID

170655401

Matrix

Soil

Collection Date/Time

April 22, 2021 11:20 am

Date Received

04/22/2021

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
7440-47-3	Chromium	16.9		mg/kg dry	0.563	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:37	WJM
7440-48-4	Cobalt	4.62		mg/kg dry	0.451	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:37	WJM
7440-50-8	Copper	25.0		mg/kg dry	2.25	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:37	WJM
7439-89-6	Iron	11400		mg/kg dry	28.2	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:37	WJM
7439-92-1	Lead	78.9		mg/kg dry	0.563	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:37	WJM
7439-95-4	Magnesium	1710		mg/kg dry	5.63	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:37	WJM
7439-96-5	Manganese	232		mg/kg dry	0.563	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:37	WJM
7440-02-0	Nickel	15.3		mg/kg dry	1.13	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:37	WJM
7440-09-7	Potassium	875		mg/kg dry	5.63	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:37	WJM
7782-49-2	Selenium	ND		mg/kg dry	2.82	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:37	WJM
7440-22-4	Silver	ND		mg/kg dry	0.563	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:37	WJM
7440-23-5	Sodium	124		mg/kg dry	56.3	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:37	WJM
7440-28-0	Thallium	ND		mg/kg dry	2.82	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:37	WJM
7440-62-2	Vanadium	21.5		mg/kg dry	1.13	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:37	WJM
7440-66-6	Zinc	92.2		mg/kg dry	2.82	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:37	WJM

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	0.162		mg/kg dry	0.0338	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	04/27/2021 09:49	04/27/2021 13:42	AD

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
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120 RESEARCH DRIVE

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Sample Information

Client Sample ID: SB05_10-12

York Sample ID: 21D1065-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1065

170655401

Soil

April 22, 2021 11:20 am

04/22/2021

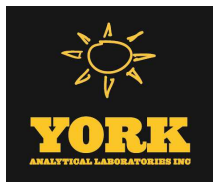
Total Solids

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	88.8		%	0.100	1	SM 2540G Certifications: CTDOH	04/27/2021 08:10	04/27/2021 15:07	SK



Sample Information

Client Sample ID: SB06_1-3

York Sample ID: 21D1065-11

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1065

170655401

Soil

April 22, 2021 2:10 pm

04/22/2021

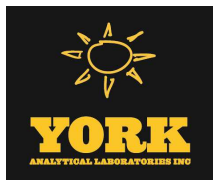
Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:06	KHA
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:06	KHA
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:06	KHA
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/27/2021 06:47	04/27/2021 15:06	KHA
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:06	KHA
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:06	KHA
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:06	KHA
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:06	KHA
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	04/27/2021 06:47	04/27/2021 15:06	KHA
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:06	KHA
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:06	KHA
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:06	KHA
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:06	KHA
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:06	KHA
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:06	KHA
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:06	KHA
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:06	KHA
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:06	KHA
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:06	KHA
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.050	0.099	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:06	KHA
78-93-3	2-Butanone	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:06	KHA



Sample Information

Client Sample ID: SB06_1-3

York Sample ID: 21D1065-11

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1065

170655401

Soil

April 22, 2021 2:10 pm

04/22/2021

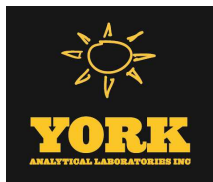
Volatiles, 8260 Comprehensive

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
591-78-6	2-Hexanone	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:06	KHA
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:06	KHA
67-64-1	Acetone	ND		mg/kg dry	0.0050	0.0099	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:06	KHA
107-02-8	Acrolein	ND		mg/kg dry	0.0050	0.0099	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:06	KHA
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:06	KHA
71-43-2	Benzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:06	KHA
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:06	KHA
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:06	KHA
75-25-2	Bromoform	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:06	KHA
74-83-9	Bromomethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:06	KHA
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:06	KHA
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:06	KHA
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:06	KHA
75-00-3	Chloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:06	KHA
67-66-3	Chloroform	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:06	KHA
74-87-3	Chloromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:06	KHA
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:06	KHA
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:06	KHA
110-82-7	Cyclohexane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:06	KHA
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:06	KHA
74-95-3	Dibromomethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:06	KHA
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:06	KHA



Sample Information

Client Sample ID: SB06_1-3

York Sample ID: 21D1065-11

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1065

170655401

Soil

April 22, 2021 2:10 pm

04/22/2021

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
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:06	KHA
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:06	KHA
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:06	KHA
79-20-9	Methyl acetate	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:06	KHA
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:06	KHA
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:06	KHA
75-09-2	Methylene chloride	ND		mg/kg dry	0.0050	0.0099	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:06	KHA
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:06	KHA
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:06	KHA
95-47-6	o-Xylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:06	KHA
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0050	0.0099	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:06	KHA
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:06	KHA
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:06	KHA
100-42-5	Styrene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:06	KHA
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:06	KHA
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:06	KHA
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:06	KHA
108-88-3	Toluene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:06	KHA
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:06	KHA
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:06	KHA
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:06	KHA
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:06	KHA



Sample Information

Client Sample ID: SB06_1-3

York Sample ID: 21D1065-11

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1065

170655401

Soil

April 22, 2021 2:10 pm

04/22/2021

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
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:06	KHA
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0074	0.015	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/27/2021 06:47	04/27/2021 15:06	KHA
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	96.8 %		77-125							
2037-26-5	Surrogate: SURR: Toluene-d8	102 %		85-120							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	97.9 %		76-130							

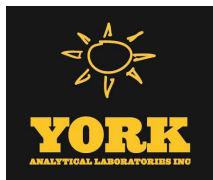
Semi-Volatiles, 8270 Comprehensive

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	0.0443	0.0883	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:31	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0883	0.176	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:31	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0443	0.0883	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:31	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0883	0.176	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:31	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0443	0.0883	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:31	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0443	0.0883	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:31	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0443	0.0883	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:31	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0443	0.0883	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:31	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0883	0.176	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:31	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0443	0.0883	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:31	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0443	0.0883	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:31	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0443	0.0883	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:31	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0443	0.0883	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:31	KH
91-57-6	2-Methylnaphthalene	0.0805	J	mg/kg dry	0.0443	0.0883	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:31	KH



Sample Information

Client Sample ID: SB06_1-3

York Sample ID: 21D1065-11

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1065

170655401

Soil

April 22, 2021 2:10 pm

04/22/2021

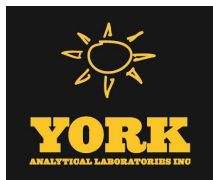
Semi-Volatiles, 8270 Comprehensive

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
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0443	0.0883	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:31	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0883	0.176	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:31	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0443	0.0883	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:31	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0443	0.0883	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:31	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0443	0.0883	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:31	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0883	0.176	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:31	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0883	0.176	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:31	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0443	0.0883	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:31	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0443	0.0883	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:31	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0443	0.0883	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:31	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0443	0.0883	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:31	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0883	0.176	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:31	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0883	0.176	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:31	KH
83-32-9	Acenaphthene	0.198		mg/kg dry	0.0443	0.0883	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:31	KH
208-96-8	Acenaphthylene	0.0819	J	mg/kg dry	0.0443	0.0883	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:31	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0443	0.0883	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:31	KH
62-53-3	Aniline	ND		mg/kg dry	0.177	0.354	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:31	KH
120-12-7	Anthracene	0.489		mg/kg dry	0.0443	0.0883	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:31	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0443	0.0883	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:31	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0443	0.0883	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:31	KH
92-87-5	Benzidine	ND		mg/kg dry	0.177	0.354	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	04/29/2021 07:56	04/29/2021 20:31	KH
56-55-3	Benzo(a)anthracene	1.09		mg/kg dry	0.0443	0.0883	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:31	KH



Sample Information

Client Sample ID: SB06_1-3

York Sample ID: 21D1065-11

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1065

170655401

Soil

April 22, 2021 2:10 pm

04/22/2021

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
50-32-8	Benzo(a)pyrene	1.05		mg/kg dry	0.0443	0.0883	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:31	KH
205-99-2	Benzo(b)fluoranthene	0.874		mg/kg dry	0.0443	0.0883	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:31	KH
191-24-2	Benzo(g,h,i)perylene	0.731		mg/kg dry	0.0443	0.0883	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:31	KH
207-08-9	Benzo(k)fluoranthene	0.850		mg/kg dry	0.0443	0.0883	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:31	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0443	0.0883	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:31	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0443	0.0883	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:31	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0443	0.0883	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:31	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0443	0.0883	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:31	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0443	0.0883	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:31	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0443	0.0883	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:31	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0443	0.0883	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:31	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0883	0.176	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:31	KH
86-74-8	Carbazole	0.204		mg/kg dry	0.0443	0.0883	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:31	KH
218-01-9	Chrysene	1.11		mg/kg dry	0.0443	0.0883	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:31	KH
53-70-3	Dibenzo(a,h)anthracene	0.240		mg/kg dry	0.0443	0.0883	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:31	KH
132-64-9	Dibenzofuran	0.114		mg/kg dry	0.0443	0.0883	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:31	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0443	0.0883	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:31	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0443	0.0883	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:31	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0443	0.0883	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:31	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0443	0.0883	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:31	KH
122-39-4	Diphenylamine	ND		mg/kg dry	0.0883	0.176	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:31	KH
206-44-0	Fluoranthene	2.31		mg/kg dry	0.0443	0.0883	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:31	KH



Sample Information

Client Sample ID: SB06_1-3

York Sample ID: 21D1065-11

York Project (SDG) No.
21D1065

Client Project ID
170655401

Matrix
Soil

Collection Date/Time
April 22, 2021 2:10 pm

Date Received
04/22/2021

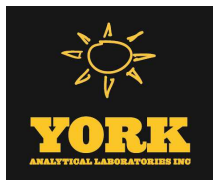
Semi-Volatiles, 8270 Comprehensive

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
86-73-7	Fluorene	0.204		mg/kg dry	0.0443	0.0883	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:31	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0443	0.0883	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:31	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0443	0.0883	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:31	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0443	0.0883	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:31	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0443	0.0883	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:31	KH
193-39-5	Indeno(1,2,3-cd)pyrene	0.686		mg/kg dry	0.0443	0.0883	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:31	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0443	0.0883	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:31	KH
91-20-3	Naphthalene	0.0819	J	mg/kg dry	0.0443	0.0883	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:31	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0443	0.0883	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:31	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0443	0.0883	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:31	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0443	0.0883	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:31	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0443	0.0883	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:31	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0443	0.0883	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:31	KH
85-01-8	Phenanthrene	2.04		mg/kg dry	0.0443	0.0883	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:31	KH
108-95-2	Phenol	ND		mg/kg dry	0.0443	0.0883	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:31	KH
129-00-0	Pyrene	2.09		mg/kg dry	0.0443	0.0883	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:31	KH
110-86-1	Pyridine	ND		mg/kg dry	0.177	0.354	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 20:31	KH
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	42.9 %	20-108								
4165-62-2	Surrogate: SURR: Phenol-d5	44.5 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	50.4 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	47.9 %	21-113								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	54.5 %	19-110								
1718-51-0	Surrogate: SURR: Terphenyl-d14	51.9 %	24-116								



Sample Information

Client Sample ID: SB06_1-3

York Sample ID: 21D1065-11

York Project (SDG) No.
21D1065

Client Project ID
170655401

Matrix
Soil

Collection Date/Time
April 22, 2021 2:10 pm

Date Received
04/22/2021

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0175	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/26/2021 13:37	04/27/2021 17:43	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0175	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/26/2021 13:37	04/27/2021 17:43	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0175	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/26/2021 13:37	04/27/2021 17:43	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0175	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/26/2021 13:37	04/27/2021 17:43	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0175	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/26/2021 13:37	04/27/2021 17:43	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0175	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/26/2021 13:37	04/27/2021 17:43	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0175	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/26/2021 13:37	04/27/2021 17:43	BJ
37324-23-5	Aroclor 1262	ND		mg/kg dry	0.0175	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	04/26/2021 13:37	04/27/2021 17:43	BJ
11100-14-4	Aroclor 1268	ND		mg/kg dry	0.0175	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	04/26/2021 13:37	04/27/2021 17:43	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0175	1	EPA 8082A Certifications:	04/26/2021 13:37	04/27/2021 17:43	BJ
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	80.5 %		30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	58.0 %		30-120						

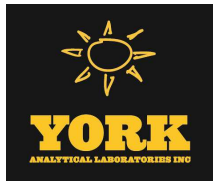
Metals, Target Analyte

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	4810		mg/kg dry	5.38	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:40	WJM
7440-36-0	Antimony	ND		mg/kg dry	2.69	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:40	WJM
7440-38-2	Arsenic	9.10		mg/kg dry	1.61	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:40	WJM
7440-39-3	Barium	112		mg/kg dry	2.69	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:40	WJM
7440-41-7	Beryllium	ND		mg/kg dry	0.054	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:40	WJM
7440-43-9	Cadmium	0.448		mg/kg dry	0.323	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:40	WJM
7440-70-2	Calcium	9210	B	mg/kg dry	5.38	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:40	WJM



Sample Information

Client Sample ID: SB06_1-3

York Sample ID: 21D1065-11

York Project (SDG) No.

21D1065

Client Project ID

170655401

Matrix

Soil

Collection Date/Time

April 22, 2021 2:10 pm

Date Received

04/22/2021

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
7440-47-3	Chromium	11.4		mg/kg dry	0.538	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:40	WJM
7440-48-4	Cobalt	4.95		mg/kg dry	0.431	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:40	WJM
7440-50-8	Copper	58.1		mg/kg dry	2.15	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:40	WJM
7439-89-6	Iron	16200		mg/kg dry	26.9	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:40	WJM
7439-92-1	Lead	142		mg/kg dry	0.538	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:40	WJM
7439-95-4	Magnesium	5490		mg/kg dry	5.38	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:40	WJM
7439-96-5	Manganese	185		mg/kg dry	0.538	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:40	WJM
7440-02-0	Nickel	16.5		mg/kg dry	1.08	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:40	WJM
7440-09-7	Potassium	509		mg/kg dry	5.38	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:40	WJM
7782-49-2	Selenium	ND		mg/kg dry	2.69	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:40	WJM
7440-22-4	Silver	ND		mg/kg dry	0.538	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:40	WJM
7440-23-5	Sodium	115		mg/kg dry	53.8	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:40	WJM
7440-28-0	Thallium	ND		mg/kg dry	2.69	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:40	WJM
7440-62-2	Vanadium	20.5		mg/kg dry	1.08	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:40	WJM
7440-66-6	Zinc	154		mg/kg dry	2.69	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:40	WJM

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	0.229		mg/kg dry	0.0323	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	04/27/2021 09:49	04/27/2021 13:52	AD

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
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Sample Information

Client Sample ID: SB06_1-3

York Sample ID: 21D1065-11

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1065

170655401

Soil

April 22, 2021 2:10 pm

04/22/2021

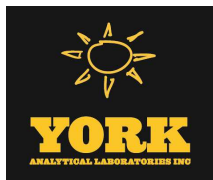
Total Solids

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	92.9		%	0.100	1	SM 2540G Certifications: CTDOH	04/27/2021 08:10	04/27/2021 15:07	SK



Sample Information

Client Sample ID: SODUP01_042221

York Sample ID: 21D1065-13

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1065

170655401

Soil

April 22, 2021 2:10 pm

04/22/2021

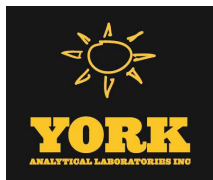
Volatiles, 8260 Comprehensive

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	04/27/2021 06:47	04/27/2021 15:58	KHA
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	04/27/2021 06:47	04/27/2021 15:58	KHA
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	04/27/2021 06:47	04/27/2021 15:58	KHA
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	04/27/2021 06:47	04/27/2021 15:58	KHA
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	04/27/2021 06:47	04/27/2021 15:58	KHA
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	04/27/2021 06:47	04/27/2021 15:58	KHA
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	04/27/2021 06:47	04/27/2021 15:58	KHA
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	04/27/2021 06:47	04/27/2021 15:58	KHA
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	04/27/2021 06:47	04/27/2021 15:58	KHA
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	04/27/2021 06:47	04/27/2021 15:58	KHA
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	04/27/2021 06:47	04/27/2021 15:58	KHA
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	04/27/2021 06:47	04/27/2021 15:58	KHA
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	04/27/2021 06:47	04/27/2021 15:58	KHA
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	04/27/2021 06:47	04/27/2021 15:58	KHA
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	04/27/2021 06:47	04/27/2021 15:58	KHA
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	04/27/2021 06:47	04/27/2021 15:58	KHA
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	04/27/2021 06:47	04/27/2021 15:58	KHA
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	04/27/2021 06:47	04/27/2021 15:58	KHA
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	04/27/2021 06:47	04/27/2021 15:58	KHA
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.042	0.084	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:58	KHA
78-93-3	2-Butanone	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:58	KHA



Sample Information

Client Sample ID: SODUP01_042221

York Sample ID: 21D1065-13

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1065

170655401

Soil

April 22, 2021 2:10 pm

04/22/2021

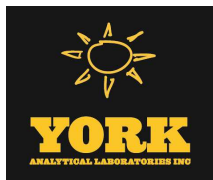
Volatiles, 8260 Comprehensive

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
591-78-6	2-Hexanone	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:58	KHA
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	04/27/2021 06:47	04/27/2021 15:58	KHA
67-64-1	Acetone	ND		mg/kg dry	0.0042	0.0084	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:58	KHA
107-02-8	Acrolein	ND		mg/kg dry	0.0042	0.0084	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:58	KHA
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:58	KHA
71-43-2	Benzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:58	KHA
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:58	KHA
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:58	KHA
75-25-2	Bromoform	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:58	KHA
74-83-9	Bromomethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:58	KHA
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:58	KHA
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:58	KHA
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:58	KHA
75-00-3	Chloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:58	KHA
67-66-3	Chloroform	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:58	KHA
74-87-3	Chloromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:58	KHA
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	04/27/2021 06:47	04/27/2021 15:58	KHA
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	04/27/2021 06:47	04/27/2021 15:58	KHA
110-82-7	Cyclohexane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:58	KHA
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:58	KHA
74-95-3	Dibromomethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:58	KHA
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:58	KHA



Sample Information

Client Sample ID: SODUP01_042221

York Sample ID: 21D1065-13

York Project (SDG) No.

Client Project ID

Matrix

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21D1065

170655401

Soil

April 22, 2021 2:10 pm

04/22/2021

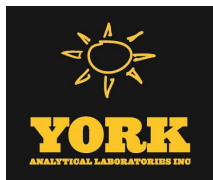
Volatiles, 8260 Comprehensive

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
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:58	KHA
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:58	KHA
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:58	KHA
79-20-9	Methyl acetate	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:58	KHA
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	04/27/2021 06:47	04/27/2021 15:58	KHA
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:58	KHA
75-09-2	Methylene chloride	ND		mg/kg dry	0.0042	0.0084	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:58	KHA
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:58	KHA
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:58	KHA
95-47-6	o-Xylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:58	KHA
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0042	0.0084	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:58	KHA
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:58	KHA
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:58	KHA
100-42-5	Styrene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:58	KHA
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	04/27/2021 06:47	04/27/2021 15:58	KHA
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:58	KHA
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:58	KHA
108-88-3	Toluene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:58	KHA
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	04/27/2021 06:47	04/27/2021 15:58	KHA
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	04/27/2021 06:47	04/27/2021 15:58	KHA
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:58	KHA
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:58	KHA



Sample Information

Client Sample ID: SODUP01_042221

York Sample ID: 21D1065-13

York Project (SDG) No.
21D1065

Client Project ID
170655401

Matrix
Soil

Collection Date/Time
April 22, 2021 2:10 pm

Date Received
04/22/2021

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
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/27/2021 06:47	04/27/2021 15:58	KHA
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0063	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/27/2021 06:47	04/27/2021 15:58	KHA
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	99.0 %		77-125							
2037-26-5	Surrogate: SURR: Toluene-d8	103 %		85-120							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	97.8 %		76-130							

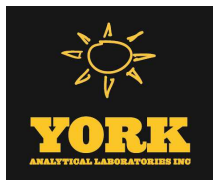
Semi-Volatiles, 8270 Comprehensive

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	0.0436	0.0869	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 21:31	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0869	0.174	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 21:31	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 21:31	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0869	0.174	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 21:31	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 21:31	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 21:31	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 21:31	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 21:31	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0869	0.174	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 21:31	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 21:31	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 21:31	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 21:31	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 21:31	KH
91-57-6	2-Methylnaphthalene	0.0792	J	mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 21:31	KH



Sample Information

Client Sample ID: SODUP01_042221

York Sample ID: 21D1065-13

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1065

170655401

Soil

April 22, 2021 2:10 pm

04/22/2021

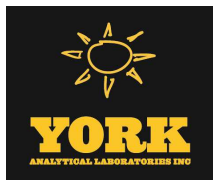
Semi-Volatiles, 8270 Comprehensive

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
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 21:31	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0869	0.174	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 21:31	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 21:31	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 21:31	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 21:31	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0869	0.174	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 21:31	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0869	0.174	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 21:31	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 21:31	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 21:31	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 21:31	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 21:31	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0869	0.174	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 21:31	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0869	0.174	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 21:31	KH
83-32-9	Acenaphthene	0.198		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 21:31	KH
208-96-8	Acenaphthylene	0.135		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 21:31	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 21:31	KH
62-53-3	Aniline	ND		mg/kg dry	0.174	0.348	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 21:31	KH
120-12-7	Anthracene	0.537		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 21:31	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 21:31	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 21:31	KH
92-87-5	Benzidine	ND		mg/kg dry	0.174	0.348	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	04/29/2021 07:56	04/29/2021 21:31	KH
56-55-3	Benzo(a)anthracene	1.43		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 21:31	KH



Sample Information

Client Sample ID: SODUP01_042221

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04/22/2021

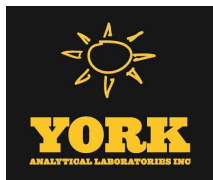
Semi-Volatiles, 8270 Comprehensive

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
50-32-8	Benzo(a)pyrene	1.42		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 21:31	KH
205-99-2	Benzo(b)fluoranthene	1.22		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 21:31	KH
191-24-2	Benzo(g,h,i)perylene	1.04		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 21:31	KH
207-08-9	Benzo(k)fluoranthene	1.19		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 21:31	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 21:31	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 21:31	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 21:31	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 21:31	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 21:31	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 21:31	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 21:31	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0869	0.174	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 21:31	KH
86-74-8	Carbazole	0.299		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 21:31	KH
218-01-9	Chrysene	1.40		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 21:31	KH
53-70-3	Dibenzo(a,h)anthracene	0.367		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 21:31	KH
132-64-9	Dibenzofuran	0.146		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 21:31	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 21:31	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 21:31	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 21:31	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 21:31	KH
122-39-4	Diphenylamine	ND		mg/kg dry	0.0869	0.174	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 21:31	KH
206-44-0	Fluoranthene	2.75		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 21:31	KH



Sample Information

Client Sample ID: SODUP01_042221

York Sample ID: 21D1065-13

York Project (SDG) No.
21D1065

Client Project ID
170655401

Matrix
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April 22, 2021 2:10 pm

Date Received
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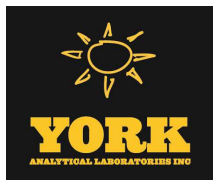
Semi-Volatiles, 8270 Comprehensive

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
86-73-7	Fluorene	0.201		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 21:31	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 21:31	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 21:31	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 21:31	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 21:31	KH
193-39-5	Indeno(1,2,3-cd)pyrene	1.05		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 21:31	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 21:31	KH
91-20-3	Naphthalene	0.136		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 21:31	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 21:31	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 21:31	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 21:31	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 21:31	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 21:31	KH
85-01-8	Phenanthrene	2.20		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 21:31	KH
108-95-2	Phenol	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 21:31	KH
129-00-0	Pyrene	2.50		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 21:31	KH
110-86-1	Pyridine	ND		mg/kg dry	0.174	0.348	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 07:56	04/29/2021 21:31	KH
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	46.0 %	20-108								
4165-62-2	Surrogate: SURR: Phenol-d5	47.4 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	56.7 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	53.3 %	21-113								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	60.2 %	19-110								
1718-51-0	Surrogate: SURR: Terphenyl-d14	56.3 %	24-116								



Sample Information

Client Sample ID: SODUP01_042221

York Sample ID: 21D1065-13

York Project (SDG) No.
21D1065

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170655401

Matrix
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April 22, 2021 2:10 pm

Date Received
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Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0175	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/26/2021 13:37	04/27/2021 17:57	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0175	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/26/2021 13:37	04/27/2021 17:57	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0175	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/26/2021 13:37	04/27/2021 17:57	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0175	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/26/2021 13:37	04/27/2021 17:57	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0175	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/26/2021 13:37	04/27/2021 17:57	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0175	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/26/2021 13:37	04/27/2021 17:57	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0175	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/26/2021 13:37	04/27/2021 17:57	BJ
37324-23-5	Aroclor 1262	ND		mg/kg dry	0.0175	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	04/26/2021 13:37	04/27/2021 17:57	BJ
11100-14-4	Aroclor 1268	ND		mg/kg dry	0.0175	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	04/26/2021 13:37	04/27/2021 17:57	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0175	1	EPA 8082A Certifications:	04/26/2021 13:37	04/27/2021 17:57	BJ
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	75.0 %		30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	56.5 %		30-120						

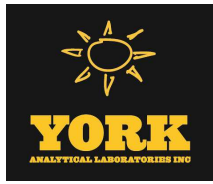
Metals, Target Analyte

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	4450		mg/kg dry	5.30	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:42	WJM
7440-36-0	Antimony	ND		mg/kg dry	2.65	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:42	WJM
7440-38-2	Arsenic	3.78		mg/kg dry	1.59	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:42	WJM
7440-39-3	Barium	64.9		mg/kg dry	2.65	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:42	WJM
7440-41-7	Beryllium	ND		mg/kg dry	0.053	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:42	WJM
7440-43-9	Cadmium	ND		mg/kg dry	0.318	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:42	WJM
7440-70-2	Calcium	3660	B	mg/kg dry	5.30	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:42	WJM



Sample Information

Client Sample ID: SODUP01_042221

York Sample ID: 21D1065-13

York Project (SDG) No.

21D1065

Client Project ID

170655401

Matrix

Soil

Collection Date/Time

April 22, 2021 2:10 pm

Date Received

04/22/2021

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
7440-47-3	Chromium	10.6		mg/kg dry	0.530	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:42	WJM
7440-48-4	Cobalt	4.45		mg/kg dry	0.424	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:42	WJM
7440-50-8	Copper	41.5		mg/kg dry	2.12	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:42	WJM
7439-89-6	Iron	13700		mg/kg dry	26.5	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:42	WJM
7439-92-1	Lead	77.8		mg/kg dry	0.530	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:42	WJM
7439-95-4	Magnesium	2530		mg/kg dry	5.30	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:42	WJM
7439-96-5	Manganese	209		mg/kg dry	0.530	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:42	WJM
7440-02-0	Nickel	11.8		mg/kg dry	1.06	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:42	WJM
7440-09-7	Potassium	735		mg/kg dry	5.30	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:42	WJM
7782-49-2	Selenium	ND		mg/kg dry	2.65	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:42	WJM
7440-22-4	Silver	ND		mg/kg dry	0.530	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:42	WJM
7440-23-5	Sodium	81.0		mg/kg dry	53.0	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:42	WJM
7440-28-0	Thallium	ND		mg/kg dry	2.65	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:42	WJM
7440-62-2	Vanadium	18.9		mg/kg dry	1.06	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:42	WJM
7440-66-6	Zinc	75.7		mg/kg dry	2.65	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/23/2021 18:48	04/27/2021 15:42	WJM

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	0.129		mg/kg dry	0.0318	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	04/27/2021 09:49	04/27/2021 14:02	AD

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
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132-02 89th AVENUE

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RICHMOND HILL, NY 11418

ClientServices@yorklab.com



Sample Information

Client Sample ID: SODUP01_042221

York Sample ID: 21D1065-13

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1065

170655401

Soil

April 22, 2021 2:10 pm

04/22/2021

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	94.4		%	0.100	1	SM 2540G Certifications: CTDOH	04/27/2021 08:10	04/27/2021 15:07	SK



Analytical Batch Summary

Batch ID: BD11335

Preparation Method: EPA 3050B

Prepared By: BR

YORK Sample ID	Client Sample ID	Preparation Date
21D1065-01	SB01_0-2	04/23/21
21D1065-03	SB02_0-2	04/23/21
21D1065-06	SB03_14-16	04/23/21
21D1065-07	SB04_2-4	04/23/21
21D1065-09	SB05_10-12	04/23/21
21D1065-11	SB06_1-3	04/23/21
21D1065-13	SODUP01_042221	04/23/21
BD11335-BLK1	Blank	04/23/21
BD11335-DUP1	Duplicate	04/23/21
BD11335-MS1	Matrix Spike	04/23/21
BD11335-PS1	Post Spike	04/23/21
BD11335-SRM1	Reference	04/23/21

Batch ID: BD11384

Preparation Method: EPA 3550C

Prepared By: SAK

YORK Sample ID	Client Sample ID	Preparation Date
21D1065-01	SB01_0-2	04/26/21
21D1065-01	SB01_0-2	04/26/21
21D1065-03	SB02_0-2	04/26/21
21D1065-03	SB02_0-2	04/26/21
21D1065-06	SB03_14-16	04/26/21
21D1065-07	SB04_2-4	04/26/21
21D1065-09	SB05_10-12	04/26/21
21D1065-11	SB06_1-3	04/26/21
21D1065-13	SODUP01_042221	04/26/21
BD11384-BLK1	Blank	04/26/21
BD11384-BLK2	Blank	04/26/21
BD11384-BS1	LCS	04/26/21
BD11384-BS2	LCS	04/26/21
BD11384-MS1	Matrix Spike	04/26/21
BD11384-MS2	Matrix Spike	04/26/21
BD11384-MSD1	Matrix Spike Dup	04/26/21
BD11384-MSD2	Matrix Spike Dup	04/26/21

Batch ID: BD11430

Preparation Method: % Solids Prep

Prepared By: SK

YORK Sample ID	Client Sample ID	Preparation Date
21D1065-01	SB01_0-2	04/27/21
21D1065-03	SB02_0-2	04/27/21
21D1065-06	SB03_14-16	04/27/21
21D1065-07	SB04_2-4	04/27/21
21D1065-09	SB05_10-12	04/27/21
21D1065-11	SB06_1-3	04/27/21
21D1065-13	SODUP01_042221	04/27/21
BD11430-DUP1	Duplicate	04/27/21



Batch ID: BD11447

Preparation Method: EPA 7473 soil

Prepared By: AD

YORK Sample ID	Client Sample ID	Preparation Date
21D1065-01	SB01_0-2	04/27/21
21D1065-03	SB02_0-2	04/27/21
21D1065-06	SB03_14-16	04/27/21
21D1065-07	SB04_2-4	04/27/21
21D1065-09	SB05_10-12	04/27/21
21D1065-11	SB06_1-3	04/27/21
21D1065-13	SODUP01_042221	04/27/21
BD11447-BLK1	Blank	04/27/21
BD11447-DUP1	Duplicate	04/27/21
BD11447-DUP2	Duplicate	04/27/21
BD11447-MS1	Matrix Spike	04/27/21
BD11447-MS2	Matrix Spike	04/27/21
BD11447-SRM1	Reference	04/27/21

Batch ID: BD11469

Preparation Method: EPA 5035A

Prepared By: KHA

YORK Sample ID	Client Sample ID	Preparation Date
21D1065-01	SB01_0-2	04/27/21
21D1065-03	SB02_0-2	04/27/21
BD11469-BLK1	Blank	04/27/21
BD11469-BLK3	Blank	04/27/21
BD11469-BS1	LCS	04/27/21
BD11469-BSD1	LCS Dup	04/27/21

Batch ID: BD11470

Preparation Method: EPA 5035A

Prepared By: KHA

YORK Sample ID	Client Sample ID	Preparation Date
21D1065-06	SB03_14-16	04/27/21
21D1065-07	SB04_2-4	04/27/21
BD11470-BLK1	Blank	04/27/21
BD11470-BLK2	Blank	04/27/21
BD11470-BS1	LCS	04/27/21
BD11470-BSD1	LCS Dup	04/27/21

Batch ID: BD11471

Preparation Method: EPA 5035A

Prepared By: KHA

YORK Sample ID	Client Sample ID	Preparation Date
21D1065-09	SB05_10-12	04/27/21
21D1065-11	SB06_1-3	04/27/21
21D1065-13	SODUP01_042221	04/27/21
BD11471-BLK1	Blank	04/27/21
BD11471-BLK2	Blank	04/27/21
BD11471-BS1	LCS	04/27/21
BD11471-BSD1	LCS Dup	04/27/21



Batch ID: BD11490

Preparation Method: EPA 3550C/8151A

Prepared By: S_K

YORK Sample ID	Client Sample ID	Preparation Date
21D1065-01	SB01_0-2	04/28/21
21D1065-03	SB02_0-2	04/28/21
BD11490-BLK1	Blank	04/28/21
BD11490-BS1	LCS	04/28/21
BD11490-MS1	Matrix Spike	04/28/21
BD11490-MSD1	Matrix Spike Dup	04/28/21

Batch ID: BD11571

Preparation Method: EPA 3546 SVOA

Prepared By: S_K

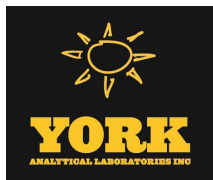
YORK Sample ID	Client Sample ID	Preparation Date
21D1065-01	SB01_0-2	04/29/21
21D1065-03	SB02_0-2	04/29/21
21D1065-06	SB03_14-16	04/29/21
21D1065-06RE1	SB03_14-16	04/29/21
21D1065-06RE2	SB03_14-16	04/29/21
21D1065-06RE3	SB03_14-16	04/29/21
21D1065-07	SB04_2-4	04/29/21
21D1065-07RE1	SB04_2-4	04/29/21
21D1065-07RE2	SB04_2-4	04/29/21
21D1065-09	SB05_10-12	04/29/21
21D1065-11	SB06_1-3	04/29/21
21D1065-13	SODUP01_042221	04/29/21
BD11571-BS1	LCS	04/29/21
BD11571-MS1	Matrix Spike	04/29/21
BD11571-MSD1	Matrix Spike Dup	04/29/21



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 BD11469 - EPA 5035A											
Blank (BD11469-BLK1)	Blank										Prepared & Analyzed: 04/27/2021
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	"								
1,2,3-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	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	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	"								
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	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

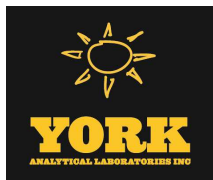
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BD11469 - EPA 5035A

Blank (BD11469-BLK1)		Blank		Prepared & Analyzed: 04/27/2021							
n-Butylbenzene	ND	0.0050	mg/kg wet								
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 Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	51.8		ug/L	50.0		104	77-125				
Surrogate: SURR: Toluene-d8	48.6		"	50.0		97.1	85-120				
Surrogate: SURR: p-Bromofluorobenzene	54.1		"	50.0		108	76-130				

Blank (BD11469-BLK3)		Holding Blank- 21D1065		Prepared & Analyzed: 04/27/2021							
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	"								
1,2,3-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	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	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	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	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
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Batch BD11469 - EPA 5035A

Blank (BD11469-BLK3)		Holding Blank- 21D1065				Prepared & Analyzed: 04/27/2021					
Bromoform	ND	0.0050	mg/kg wet								
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 Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURRE: 1,2-Dichloroethane-d4	54.4		ug/L	50.0		109	77-125				
Surrogate: SURRE: Toluene-d8	48.8		"	50.0		97.6	85-120				
Surrogate: SURRE: p-Bromofluorobenzene	56.8		"	50.0		114	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 BD11469 - EPA 5035A											
LCS (BD11469-BS1)	LCS		Prepared & Analyzed: 04/27/2021								
1,1,1,2-Tetrachloroethane	49.5		ug/L	50.0		98.9	75-129				
1,1,1-Trichloroethane	49.6		"	50.0		99.2	71-137				
1,1,2,2-Tetrachloroethane	50.0		"	50.0		99.9	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	57.8		"	50.0		116	58-146				
1,1,2-Trichloroethane	49.4		"	50.0		98.8	83-123				
1,1-Dichloroethane	49.1		"	50.0		98.2	75-130				
1,1-Dichloroethylene	52.0		"	50.0		104	64-137				
1,2,3-Trichlorobenzene	50.1		"	50.0		100	81-140				
1,2,3-Trichloropropane	48.2		"	50.0		96.3	81-126				
1,2,4-Trichlorobenzene	51.9		"	50.0		104	80-141				
1,2,4-Trimethylbenzene	50.5		"	50.0		101	84-125				
1,2-Dibromo-3-chloropropane	51.0		"	50.0		102	74-142				
1,2-Dibromoethane	50.2		"	50.0		100	86-123				
1,2-Dichlorobenzene	48.5		"	50.0		97.0	85-122				
1,2-Dichloroethane	49.2		"	50.0		98.4	71-133				
1,2-Dichloropropane	49.2		"	50.0		98.5	81-122				
1,3,5-Trimethylbenzene	49.8		"	50.0		99.5	82-126				
1,3-Dichlorobenzene	48.5		"	50.0		97.0	84-124				
1,4-Dichlorobenzene	48.4		"	50.0		96.9	84-124				
1,4-Dioxane	1070		"	1050		102	10-228				
2-Butanone	53.6		"	50.0		107	58-147				
2-Hexanone	48.6		"	50.0		97.2	70-139				
4-Methyl-2-pentanone	39.5		"	50.0		78.9	72-132				
Acetone	41.1		"	50.0		82.3	36-155				
Acrolein	43.7		"	50.0		87.4	10-238				
Acrylonitrile	52.6		"	50.0		105	66-141				
Benzene	50.1		"	50.0		100	77-127				
Bromochloromethane	48.2		"	50.0		96.4	74-129				
Bromodichloromethane	48.8		"	50.0		97.5	81-124				
Bromoform	47.5		"	50.0		95.1	80-136				
Bromomethane	46.9		"	50.0		93.7	32-177				
Carbon disulfide	55.4		"	50.0		111	10-136				
Carbon tetrachloride	50.7		"	50.0		101	66-143				
Chlorobenzene	48.9		"	50.0		97.8	86-120				
Chloroethane	56.4		"	50.0		113	51-142				
Chloroform	46.8		"	50.0		93.7	76-131				
Chloromethane	50.1		"	50.0		100	49-132				
cis-1,2-Dichloroethylene	49.8		"	50.0		99.7	74-132				
cis-1,3-Dichloropropylene	49.7		"	50.0		99.4	81-129				
Cyclohexane	50.1		"	50.0		100	70-130				
Dibromochloromethane	51.0		"	50.0		102	10-200				
Dibromomethane	46.8		"	50.0		93.5	83-124				
Dichlorodifluoromethane	60.8		"	50.0		122	28-158				
Ethyl Benzene	50.4		"	50.0		101	84-125				
Hexachlorobutadiene	53.0		"	50.0		106	83-133				
Isopropylbenzene	49.3		"	50.0		98.6	81-127				
Methyl acetate	46.4		"	50.0		92.8	41-143				
Methyl tert-butyl ether (MTBE)	51.4		"	50.0		103	74-131				
Methylcyclohexane	50.4		"	50.0		101	70-130				
Methylene chloride	51.7		"	50.0		103	57-141				
n-Butylbenzene	56.2		"	50.0		112	80-130				



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 BD11469 - EPA 5035A											
LCS (BD11469-BS1)	LCS		Prepared & Analyzed: 04/27/2021								
n-Propylbenzene	48.5		ug/L	50.0		97.1	74-136				
o-Xylene	49.8		"	50.0		99.5	83-123				
p- & m- Xylenes	101		"	100		101	82-128				
p-Isopropyltoluene	50.9		"	50.0		102	85-125				
sec-Butylbenzene	52.1		"	50.0		104	83-125				
Styrene	51.0		"	50.0		102	86-126				
tert-Butyl alcohol (TBA)	242		"	250		96.7	70-130				
tert-Butylbenzene	42.8		"	50.0		85.6	80-127				
Tetrachloroethylene	46.0		"	50.0		91.9	80-129				
Toluene	49.0		"	50.0		98.0	85-121				
trans-1,2-Dichloroethylene	53.7		"	50.0		107	72-132				
trans-1,3-Dichloropropylene	49.6		"	50.0		99.2	78-132				
Trichloroethylene	49.8		"	50.0		99.6	84-123				
Trichlorofluoromethane	55.6		"	50.0		111	62-140				
Vinyl Chloride	54.6		"	50.0		109	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	49.5		"	50.0		98.9	77-125				
Surrogate: SURR: Toluene-d8	49.4		"	50.0		98.7	85-120				
Surrogate: SURR: p-Bromofluorobenzene	49.4		"	50.0		98.9	76-130				
LCS Dup (BD11469-BS1)	LCS Dup		Prepared & Analyzed: 04/27/2021								
1,1,1,2-Tetrachloroethane	52.8		ug/L	50.0		106	75-129		6.61	30	
1,1,1-Trichloroethane	53.6		"	50.0		107	71-137		7.71	30	
1,1,2,2-Tetrachloroethane	54.2		"	50.0		108	79-129		8.19	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	61.7		"	50.0		123	58-146		6.39	30	
1,1,2-Trichloroethane	53.7		"	50.0		107	83-123		8.32	30	
1,1-Dichloroethane	52.9		"	50.0		106	75-130		7.41	30	
1,1-Dichloroethylene	55.1		"	50.0		110	64-137		5.79	30	
1,2,3-Trichlorobenzene	53.4		"	50.0		107	81-140		6.55	30	
1,2,3-Trichloropropane	52.5		"	50.0		105	81-126		8.62	30	
1,2,4-Trichlorobenzene	54.5		"	50.0		109	80-141		4.83	30	
1,2,4-Trimethylbenzene	55.5		"	50.0		111	84-125		9.57	30	
1,2-Dibromo-3-chloropropane	56.5		"	50.0		113	74-142		10.3	30	
1,2-Dibromoethane	54.9		"	50.0		110	86-123		8.79	30	
1,2-Dichlorobenzene	52.0		"	50.0		104	85-122		6.85	30	
1,2-Dichloroethane	53.2		"	50.0		106	71-133		7.85	30	
1,2-Dichloropropane	55.1		"	50.0		110	81-122		11.2	30	
1,3,5-Trimethylbenzene	54.8		"	50.0		110	82-126		9.75	30	
1,3-Dichlorobenzene	52.4		"	50.0		105	84-124		7.63	30	
1,4-Dichlorobenzene	52.5		"	50.0		105	84-124		8.02	30	
1,4-Dioxane	1140		"	1050		108	10-228		5.86	30	
2-Butanone	60.1		"	50.0		120	58-147		11.5	30	
2-Hexanone	56.5		"	50.0		113	70-139		15.0	30	
4-Methyl-2-pentanone	44.9		"	50.0		89.9	72-132		12.9	30	
Acetone	46.4		"	50.0		92.7	36-155		12.0	30	
Acrolein	47.7		"	50.0		95.4	10-238		8.77	30	
Acrylonitrile	55.8		"	50.0		112	66-141		5.85	30	
Benzene	54.0		"	50.0		108	77-127		7.36	30	
Bromochloromethane	52.1		"	50.0		104	74-129		7.86	30	
Bromodichloromethane	54.4		"	50.0		109	81-124		11.0	30	
Bromoform	51.7		"	50.0		103	80-136		8.40	30	
Bromomethane	52.0		"	50.0		104	32-177		10.4	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 BD11469 - EPA 5035A											
LCS Dup (BD11469-BSD1)	LCS Dup		Prepared & Analyzed: 04/27/2021								
Carbon disulfide	59.9		ug/L	50.0		120	10-136		7.70	30	
Carbon tetrachloride	54.6		"	50.0		109	66-143		7.35	30	
Chlorobenzene	52.7		"	50.0		105	86-120		7.40	30	
Chloroethane	60.1		"	50.0		120	51-142		6.44	30	
Chloroform	50.1		"	50.0		100	76-131		6.76	30	
Chloromethane	54.8		"	50.0		110	49-132		8.90	30	
cis-1,2-Dichloroethylene	54.4		"	50.0		109	74-132		8.75	30	
cis-1,3-Dichloropropylene	54.8		"	50.0		110	81-129		9.76	30	
Cyclohexane	54.1		"	50.0		108	70-130		7.58	30	
Dibromochloromethane	55.6		"	50.0		111	10-200		8.66	30	
Dibromomethane	51.9		"	50.0		104	83-124		10.5	30	
Dichlorodifluoromethane	65.1		"	50.0		130	28-158		6.78	30	
Ethyl Benzene	54.5		"	50.0		109	84-125		7.84	30	
Hexachlorobutadiene	54.9		"	50.0		110	83-133		3.50	30	
Isopropylbenzene	53.7		"	50.0		107	81-127		8.47	30	
Methyl acetate	50.7		"	50.0		101	41-143		8.90	30	
Methyl tert-butyl ether (MTBE)	55.1		"	50.0		110	74-131		6.99	30	
Methylcyclohexane	55.5		"	50.0		111	70-130		9.73	30	
Methylene chloride	56.7		"	50.0		113	57-141		9.22	30	
n-Butylbenzene	58.3		"	50.0		117	80-130		3.67	30	
n-Propylbenzene	53.1		"	50.0		106	74-136		8.95	30	
o-Xylene	54.3		"	50.0		109	83-123		8.76	30	
p- & m- Xylenes	111		"	100		111	82-128		8.78	30	
p-Isopropyltoluene	55.5		"	50.0		111	85-125		8.78	30	
sec-Butylbenzene	57.3		"	50.0		115	83-125		9.43	30	
Styrene	55.6		"	50.0		111	86-126		8.67	30	
tert-Butyl alcohol (TBA)	262		"	250		105	70-130		8.24	30	
tert-Butylbenzene	46.7		"	50.0		93.4	80-127		8.67	30	
Tetrachloroethylene	49.3		"	50.0		98.6	80-129		7.05	30	
Toluene	53.9		"	50.0		108	85-121		9.50	30	
trans-1,2-Dichloroethylene	58.8		"	50.0		118	72-132		9.19	30	
trans-1,3-Dichloropropylene	56.1		"	50.0		112	78-132		12.2	30	
Trichloroethylene	55.2		"	50.0		110	84-123		10.3	30	
Trichlorofluoromethane	59.9		"	50.0		120	62-140		7.42	30	
Vinyl Chloride	58.4		"	50.0		117	52-130		6.80	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	49.6		"	50.0		99.1	77-125				
Surrogate: SURR: Toluene-d8	50.1		"	50.0		100	85-120				
Surrogate: SURR: p-Bromofluorobenzene	50.4		"	50.0		101	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 BD11470 - EPA 5035A											
Blank (BD11470-BLK1)	Blank										Prepared & Analyzed: 04/27/2021
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	"								
1,2,3-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	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	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	"								
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	"								



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
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Batch BD11470 - EPA 5035A

Blank (BD11470-BLK1)	Blank		Prepared & Analyzed: 04/27/2021								
n-Propylbenzene	ND	0.0050	mg/kg wet								
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 Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	52.2		ug/L	50.0		104	77-125				
<i>Surrogate: SURR: Toluene-d8</i>	49.8		"	50.0		99.6	85-120				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	50.0		"	50.0		100	76-130				

Blank (BD11470-BLK2)	HOLDING BLANK- 21D1191		Prepared & Analyzed: 04/27/2021								
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	"								
1,2,3-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	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	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	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	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
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Batch BD11470 - EPA 5035A

Blank (BD11470-BLK2)		HOLDING BLANK- 21D1191						Prepared & Analyzed: 04/27/2021			
Bromomethane	ND	0.0050	mg/kg wet								
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 Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	50.4		ug/L	50.0		101	77-125				
Surrogate: SURR: Toluene-d8	50.4		"	50.0		101	85-120				
Surrogate: SURR: p-Bromofluorobenzene	50.1		"	50.0		100	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 BD11470 - EPA 5035A											
LCS (BD11470-BS1)	LCS		Prepared & Analyzed: 04/27/2021								
1,1,1,2-Tetrachloroethane	50.8		ug/L	50.0		102	75-129				
1,1,1-Trichloroethane	44.7		"	50.0		89.5	71-137				
1,1,2,2-Tetrachloroethane	58.1		"	50.0		116	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	51.0		"	50.0		102	58-146				
1,1,2-Trichloroethane	53.0		"	50.0		106	83-123				
1,1-Dichloroethane	45.0		"	50.0		90.0	75-130				
1,1-Dichloroethylene	43.8		"	50.0		87.7	64-137				
1,2,3-Trichlorobenzene	47.9		"	50.0		95.8	81-140				
1,2,3-Trichloropropane	50.8		"	50.0		102	81-126				
1,2,4-Trichlorobenzene	48.2		"	50.0		96.4	80-141				
1,2,4-Trimethylbenzene	48.4		"	50.0		96.7	84-125				
1,2-Dibromo-3-chloropropane	47.4		"	50.0		94.8	74-142				
1,2-Dibromoethane	53.0		"	50.0		106	86-123				
1,2-Dichlorobenzene	50.7		"	50.0		101	85-122				
1,2-Dichloroethane	49.6		"	50.0		99.2	71-133				
1,2-Dichloropropane	49.5		"	50.0		99.1	81-122				
1,3,5-Trimethylbenzene	55.7		"	50.0		111	82-126				
1,3-Dichlorobenzene	48.7		"	50.0		97.4	84-124				
1,4-Dichlorobenzene	48.9		"	50.0		97.7	84-124				
1,4-Dioxane	903		"	1050		86.0	10-228				
2-Butanone	30.6		"	50.0		61.2	58-147				
2-Hexanone	50.4		"	50.0		101	70-139				
4-Methyl-2-pentanone	52.2		"	50.0		104	72-132				
Acetone	28.0		"	50.0		56.0	36-155				
Acrolein	42.4		"	50.0		84.8	10-238				
Acrylonitrile	50.6		"	50.0		101	66-141				
Benzene	48.2		"	50.0		96.3	77-127				
Bromochloromethane	50.8		"	50.0		102	74-129				
Bromodichloromethane	48.6		"	50.0		97.1	81-124				
Bromoform	51.4		"	50.0		103	80-136				
Bromomethane	85.6		"	50.0		171	32-177				
Carbon disulfide	48.3		"	50.0		96.7	10-136				
Carbon tetrachloride	44.0		"	50.0		88.0	66-143				
Chlorobenzene	48.7		"	50.0		97.3	86-120				
Chloroethane	53.7		"	50.0		107	51-142				
Chloroform	46.6		"	50.0		93.3	76-131				
Chloromethane	37.6		"	50.0		75.1	49-132				
cis-1,2-Dichloroethylene	47.2		"	50.0		94.5	74-132				
cis-1,3-Dichloropropylene	51.1		"	50.0		102	81-129				
Cyclohexane	38.9		"	50.0		77.8	70-130				
Dibromochloromethane	54.6		"	50.0		109	10-200				
Dibromomethane	48.9		"	50.0		97.7	83-124				
Dichlorodifluoromethane	66.6		"	50.0		133	28-158				
Ethyl Benzene	47.4		"	50.0		94.9	84-125				
Hexachlorobutadiene	43.9		"	50.0		87.8	83-133				
Isopropylbenzene	45.0		"	50.0		89.9	81-127				
Methyl acetate	49.2		"	50.0		98.4	41-143				
Methyl tert-butyl ether (MTBE)	55.2		"	50.0		110	74-131				
Methylcyclohexane	45.7		"	50.0		91.4	70-130				
Methylene chloride	50.3		"	50.0		101	57-141				
n-Butylbenzene	49.1		"	50.0		98.2	80-130				



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 BD11470 - EPA 5035A											
LCS (BD11470-BS1)	LCS		Prepared & Analyzed: 04/27/2021								
n-Propylbenzene	45.1		ug/L	50.0		90.1	74-136				
o-Xylene	48.9		"	50.0		97.9	83-123				
p- & m- Xylenes	94.6		"	100		94.6	82-128				
p-Isopropyltoluene	46.8		"	50.0		93.6	85-125				
sec-Butylbenzene	47.8		"	50.0		95.6	83-125				
Styrene	53.7		"	50.0		107	86-126				
tert-Butyl alcohol (TBA)	164		"	250		65.6	70-130	Low Bias			
tert-Butylbenzene	40.6		"	50.0		81.1	80-127				
Tetrachloroethylene	39.2		"	50.0		78.5	80-129	Low Bias			
Toluene	47.0		"	50.0		94.0	85-121				
trans-1,2-Dichloroethylene	48.2		"	50.0		96.3	72-132				
trans-1,3-Dichloropropylene	54.7		"	50.0		109	78-132				
Trichloroethylene	42.6		"	50.0		85.1	84-123				
Trichlorofluoromethane	48.5		"	50.0		97.0	62-140				
Vinyl Chloride	55.7		"	50.0		111	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	51.4		"	50.0		103	77-125				
Surrogate: SURR: Toluene-d8	49.9		"	50.0		99.8	85-120				
Surrogate: SURR: p-Bromofluorobenzene	48.2		"	50.0		96.4	76-130				
LCS Dup (BD11470-BSD1)	LCS Dup		Prepared & Analyzed: 04/27/2021								
1,1,1,2-Tetrachloroethane	52.2		ug/L	50.0		104	75-129		2.70	30	
1,1,1-Trichloroethane	44.9		"	50.0		89.8	71-137		0.335	30	
1,1,2,2-Tetrachloroethane	59.3		"	50.0		119	79-129		2.05	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	51.3		"	50.0		103	58-146		0.586	30	
1,1,2-Trichloroethane	54.2		"	50.0		108	83-123		2.18	30	
1,1-Dichloroethane	45.4		"	50.0		90.8	75-130		0.907	30	
1,1-Dichloroethylene	43.9		"	50.0		87.7	64-137		0.0684	30	
1,2,3-Trichlorobenzene	48.9		"	50.0		97.8	81-140		2.07	30	
1,2,3-Trichloropropane	52.0		"	50.0		104	81-126		2.24	30	
1,2,4-Trichlorobenzene	49.0		"	50.0		98.1	80-141		1.75	30	
1,2,4-Trimethylbenzene	48.4		"	50.0		96.8	84-125		0.103	30	
1,2-Dibromo-3-chloropropane	48.1		"	50.0		96.2	74-142		1.49	30	
1,2-Dibromoethane	53.7		"	50.0		107	86-123		1.43	30	
1,2-Dichlorobenzene	50.6		"	50.0		101	85-122		0.178	30	
1,2-Dichloroethane	50.0		"	50.0		99.9	71-133		0.764	30	
1,2-Dichloropropane	50.8		"	50.0		102	81-122		2.49	30	
1,3,5-Trimethylbenzene	56.7		"	50.0		113	82-126		1.85	30	
1,3-Dichlorobenzene	49.1		"	50.0		98.2	84-124		0.818	30	
1,4-Dichlorobenzene	49.5		"	50.0		99.0	84-124		1.30	30	
1,4-Dioxane	954		"	1050		90.9	10-228		5.51	30	
2-Butanone	35.2		"	50.0		70.4	58-147		14.0	30	
2-Hexanone	50.8		"	50.0		102	70-139		0.949	30	
4-Methyl-2-pentanone	54.2		"	50.0		108	72-132		3.74	30	
Acetone	28.7		"	50.0		57.4	36-155		2.43	30	
Acrolein	41.7		"	50.0		83.5	10-238		1.59	30	
Acrylonitrile	51.2		"	50.0		102	66-141		1.20	30	
Benzene	48.4		"	50.0		96.7	77-127		0.373	30	
Bromochloromethane	50.4		"	50.0		101	74-129		0.770	30	
Bromodichloromethane	50.3		"	50.0		101	81-124		3.48	30	
Bromoform	52.0		"	50.0		104	80-136		1.18	30	
Bromomethane	86.0		"	50.0		172	32-177		0.431	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 BD11470 - EPA 5035A											
LCS Dup (BD11470-BSD1)	LCS Dup		Prepared & Analyzed: 04/27/2021								
Carbon disulfide	48.8		ug/L	50.0		97.5	10-136		0.886	30	
Carbon tetrachloride	44.3		"	50.0		88.6	66-143		0.657	30	
Chlorobenzene	49.6		"	50.0		99.1	86-120		1.79	30	
Chloroethane	54.5		"	50.0		109	51-142		1.44	30	
Chloroform	47.0		"	50.0		94.0	76-131		0.769	30	
Chloromethane	37.0		"	50.0		74.1	49-132		1.45	30	
cis-1,2-Dichloroethylene	47.6		"	50.0		95.2	74-132		0.759	30	
cis-1,3-Dichloropropylene	52.4		"	50.0		105	81-129		2.38	30	
Cyclohexane	38.8		"	50.0		77.5	70-130		0.283	30	
Dibromochloromethane	55.1		"	50.0		110	10-200		0.948	30	
Dibromomethane	50.2		"	50.0		100	83-124		2.63	30	
Dichlorodifluoromethane	66.9		"	50.0		134	28-158		0.449	30	
Ethyl Benzene	48.9		"	50.0		97.8	84-125		3.01	30	
Hexachlorobutadiene	44.6		"	50.0		89.2	83-133		1.63	30	
Isopropylbenzene	45.2		"	50.0		90.4	81-127		0.555	30	
Methyl acetate	48.8		"	50.0		97.7	41-143		0.796	30	
Methyl tert-butyl ether (MTBE)	55.2		"	50.0		110	74-131		0.109	30	
Methylcyclohexane	46.6		"	50.0		93.3	70-130		1.97	30	
Methylene chloride	50.8		"	50.0		102	57-141		1.03	30	
n-Butylbenzene	49.7		"	50.0		99.3	80-130		1.17	30	
n-Propylbenzene	45.9		"	50.0		91.8	74-136		1.85	30	
o-Xylene	50.0		"	50.0		100	83-123		2.14	30	
p- & m- Xylenes	97.3		"	100		97.3	82-128		2.78	30	
p-Isopropyltoluene	47.5		"	50.0		95.1	85-125		1.57	30	
sec-Butylbenzene	48.6		"	50.0		97.3	83-125		1.70	30	
Styrene	53.9		"	50.0		108	86-126		0.335	30	
tert-Butyl alcohol (TBA)	160		"	250		63.9	70-130	Low Bias	2.69	30	
tert-Butylbenzene	41.1		"	50.0		82.3	80-127		1.40	30	
Tetrachloroethylene	39.7		"	50.0		79.4	80-129	Low Bias	1.12	30	
Toluene	48.2		"	50.0		96.4	85-121		2.46	30	
trans-1,2-Dichloroethylene	48.5		"	50.0		97.1	72-132		0.807	30	
trans-1,3-Dichloropropylene	56.0		"	50.0		112	78-132		2.48	30	
Trichloroethylene	43.8		"	50.0		87.7	84-123		2.94	30	
Trichlorofluoromethane	48.6		"	50.0		97.3	62-140		0.309	30	
Vinyl Chloride	56.1		"	50.0		112	52-130		0.769	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	50.4		"	50.0		101	77-125				
Surrogate: SURR: Toluene-d8	50.0		"	50.0		100	85-120				
Surrogate: SURR: p-Bromofluorobenzene	48.3		"	50.0		96.6	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 BD11471 - EPA 5035A											
Blank (BD11471-BLK1)	Blank										Prepared & Analyzed: 04/27/2021
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	"								
1,2,3-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	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	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	"								
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	"								



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
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Batch BD11471 - EPA 5035A

Blank (BD11471-BLK1)		Blank		Prepared & Analyzed: 04/27/2021							
n-Propylbenzene	ND	0.0050	mg/kg wet								
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 Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	47.1		ug/L	50.0		94.1	77-125				
Surrogate: SURR: Toluene-d8	51.2		"	50.0		102	85-120				
Surrogate: SURR: p-Bromofluorobenzene	48.8		"	50.0		97.7	76-130				

Blank (BD11471-BLK2)		Blank		Prepared & Analyzed: 04/27/2021							
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	"								
1,2,3-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	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	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	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	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
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Batch BD11471 - EPA 5035A

Blank (BD11471-BLK2)	Blank	Prepared & Analyzed: 04/27/2021									
Bromomethane	ND	0.0050	mg/kg wet								
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 Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	46.0		ug/L	50.0		91.9	77-125				
Surrogate: SURR: Toluene-d8	50.9		"	50.0		102	85-120				
Surrogate: SURR: p-Bromofluorobenzene	47.8		"	50.0		95.7	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 BD11471 - EPA 5035A											
LCS (BD11471-BS1)	LCS	Prepared & Analyzed: 04/27/2021									
1,1,1,2-Tetrachloroethane	46.2		ug/L	50.0		92.5	75-129				
1,1,1-Trichloroethane	47.5		"	50.0		95.1	71-137				
1,1,2,2-Tetrachloroethane	53.1		"	50.0		106	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	51.5		"	50.0		103	58-146				
1,1,2-Trichloroethane	51.3		"	50.0		103	83-123				
1,1-Dichloroethane	45.4		"	50.0		90.7	75-130				
1,1-Dichloroethylene	46.5		"	50.0		93.0	64-137				
1,2,3-Trichlorobenzene	56.7		"	50.0		113	81-140				
1,2,3-Trichloropropane	50.3		"	50.0		101	81-126				
1,2,4-Trichlorobenzene	57.7		"	50.0		115	80-141				
1,2,4-Trimethylbenzene	49.4		"	50.0		98.9	84-125				
1,2-Dibromo-3-chloropropane	49.6		"	50.0		99.1	74-142				
1,2-Dibromoethane	52.9		"	50.0		106	86-123				
1,2-Dichlorobenzene	53.3		"	50.0		107	85-122				
1,2-Dichloroethane	46.5		"	50.0		93.1	71-133				
1,2-Dichloropropane	49.8		"	50.0		99.5	81-122				
1,3,5-Trimethylbenzene	49.6		"	50.0		99.2	82-126				
1,3-Dichlorobenzene	51.3		"	50.0		103	84-124				
1,4-Dichlorobenzene	51.2		"	50.0		102	84-124				
1,4-Dioxane	995		"	1050		94.8	10-228				
2-Butanone	39.8		"	50.0		79.5	58-147				
2-Hexanone	46.8		"	50.0		93.7	70-139				
4-Methyl-2-pentanone	48.9		"	50.0		97.8	72-132				
Acetone	35.4		"	50.0		70.9	36-155				
Acrolein	48.0		"	50.0		95.9	10-238				
Acrylonitrile	48.3		"	50.0		96.6	66-141				
Benzene	49.4		"	50.0		98.9	77-127				
Bromochloromethane	50.0		"	50.0		99.9	74-129				
Bromodichloromethane	51.1		"	50.0		102	81-124				
Bromoform	49.2		"	50.0		98.4	80-136				
Bromomethane	61.1		"	50.0		122	32-177				
Carbon disulfide	53.2		"	50.0		106	10-136				
Carbon tetrachloride	43.2		"	50.0		86.3	66-143				
Chlorobenzene	51.0		"	50.0		102	86-120				
Chloroethane	48.5		"	50.0		97.1	51-142				
Chloroform	48.5		"	50.0		97.0	76-131				
Chloromethane	44.3		"	50.0		88.7	49-132				
cis-1,2-Dichloroethylene	47.8		"	50.0		95.6	74-132				
cis-1,3-Dichloropropylene	43.9		"	50.0		87.7	81-129				
Cyclohexane	44.5		"	50.0		89.1	70-130				
Dibromochloromethane	47.5		"	50.0		95.1	10-200				
Dibromomethane	50.5		"	50.0		101	83-124				
Dichlorodifluoromethane	56.0		"	50.0		112	28-158				
Ethyl Benzene	48.7		"	50.0		97.4	84-125				
Hexachlorobutadiene	55.8		"	50.0		112	83-133				
Isopropylbenzene	48.2		"	50.0		96.4	81-127				
Methyl acetate	42.1		"	50.0		84.2	41-143				
Methyl tert-butyl ether (MTBE)	50.4		"	50.0		101	74-131				
Methylcyclohexane	46.1		"	50.0		92.2	70-130				
Methylene chloride	48.9		"	50.0		97.8	57-141				
n-Butylbenzene	47.8		"	50.0		95.6	80-130				



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 BD11471 - EPA 5035A											
LCS (BD11471-BS1)	LCS		Prepared & Analyzed: 04/27/2021								
n-Propylbenzene	48.2		ug/L	50.0		96.5	74-136				
o-Xylene	48.8		"	50.0		97.7	83-123				
p- & m- Xylenes	99.5		"	100		99.5	82-128				
p-Isopropyltoluene	50.8		"	50.0		102	85-125				
sec-Butylbenzene	51.1		"	50.0		102	83-125				
Styrene	51.7		"	50.0		103	86-126				
tert-Butyl alcohol (TBA)	234		"	250		93.5	70-130				
tert-Butylbenzene	49.0		"	50.0		98.1	80-127				
Tetrachloroethylene	49.3		"	50.0		98.6	80-129				
Toluene	48.4		"	50.0		96.9	85-121				
trans-1,2-Dichloroethylene	48.8		"	50.0		97.6	72-132				
trans-1,3-Dichloropropylene	43.1		"	50.0		86.2	78-132				
Trichloroethylene	49.1		"	50.0		98.2	84-123				
Trichlorofluoromethane	47.2		"	50.0		94.4	62-140				
Vinyl Chloride	47.6		"	50.0		95.3	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	48.3		"	50.0		96.6	77-125				
Surrogate: SURR: Toluene-d8	51.0		"	50.0		102	85-120				
Surrogate: SURR: p-Bromofluorobenzene	45.6		"	50.0		91.1	76-130				
LCS Dup (BD11471-BS1)	LCS Dup		Prepared & Analyzed: 04/27/2021								
1,1,1,2-Tetrachloroethane	46.9		ug/L	50.0		93.8	75-129		1.44	30	
1,1,1-Trichloroethane	47.0		"	50.0		94.0	71-137		1.14	30	
1,1,2,2-Tetrachloroethane	52.5		"	50.0		105	79-129		1.14	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	49.1		"	50.0		98.2	58-146		4.77	30	
1,1,2-Trichloroethane	52.1		"	50.0		104	83-123		1.43	30	
1,1-Dichloroethane	45.0		"	50.0		90.1	75-130		0.686	30	
1,1-Dichloroethylene	45.2		"	50.0		90.3	64-137		2.92	30	
1,2,3-Trichlorobenzene	58.7		"	50.0		117	81-140		3.57	30	
1,2,3-Trichloropropane	50.6		"	50.0		101	81-126		0.516	30	
1,2,4-Trichlorobenzene	59.4		"	50.0		119	80-141		2.94	30	
1,2,4-Trimethylbenzene	50.2		"	50.0		100	84-125		1.61	30	
1,2-Dibromo-3-chloropropane	51.0		"	50.0		102	74-142		2.86	30	
1,2-Dibromoethane	53.2		"	50.0		106	86-123		0.678	30	
1,2-Dichlorobenzene	53.9		"	50.0		108	85-122		1.21	30	
1,2-Dichloroethane	45.8		"	50.0		91.5	71-133		1.69	30	
1,2-Dichloropropane	49.5		"	50.0		99.1	81-122		0.463	30	
1,3,5-Trimethylbenzene	51.3		"	50.0		103	82-126		3.43	30	
1,3-Dichlorobenzene	53.2		"	50.0		106	84-124		3.67	30	
1,4-Dichlorobenzene	53.2		"	50.0		106	84-124		3.72	30	
1,4-Dioxane	1040		"	1050		99.2	10-228		4.52	30	
2-Butanone	39.4		"	50.0		78.7	58-147		1.06	30	
2-Hexanone	46.5		"	50.0		93.0	70-139		0.707	30	
4-Methyl-2-pentanone	48.9		"	50.0		97.7	72-132		0.0614	30	
Acetone	34.0		"	50.0		68.1	36-155		3.97	30	
Acrolein	46.9		"	50.0		93.9	10-238		2.17	30	
Acrylonitrile	47.4		"	50.0		94.7	66-141		1.90	30	
Benzene	49.3		"	50.0		98.7	77-127		0.203	30	
Bromochloromethane	49.5		"	50.0		99.0	74-129		0.965	30	
Bromodichloromethane	50.5		"	50.0		101	81-124		1.12	30	
Bromoform	49.6		"	50.0		99.2	80-136		0.790	30	
Bromomethane	59.8		"	50.0		120	32-177		2.15	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 BD11471 - EPA 5035A											
LCS Dup (BD11471-BS01)	LCS Dup		Prepared & Analyzed: 04/27/2021								
Carbon disulfide	52.3		ug/L	50.0		105	10-136		1.61	30	
Carbon tetrachloride	42.4		"	50.0		84.8	66-143		1.75	30	
Chlorobenzene	51.0		"	50.0		102	86-120		0.0785	30	
Chloroethane	45.3		"	50.0		90.6	51-142		6.88	30	
Chloroform	47.4		"	50.0		94.9	76-131		2.25	30	
Chloromethane	43.2		"	50.0		86.3	49-132		2.70	30	
cis-1,2-Dichloroethylene	47.6		"	50.0		95.3	74-132		0.335	30	
cis-1,3-Dichloropropylene	43.4		"	50.0		86.9	81-129		0.939	30	
Cyclohexane	44.4		"	50.0		88.8	70-130		0.270	30	
Dibromochloromethane	46.9		"	50.0		93.8	10-200		1.38	30	
Dibromomethane	51.0		"	50.0		102	83-124		0.867	30	
Dichlorodifluoromethane	56.3		"	50.0		113	28-158		0.623	30	
Ethyl Benzene	49.3		"	50.0		98.6	84-125		1.16	30	
Hexachlorobutadiene	57.4		"	50.0		115	83-133		2.83	30	
Isopropylbenzene	48.8		"	50.0		97.6	81-127		1.28	30	
Methyl acetate	41.3		"	50.0		82.5	41-143		1.99	30	
Methyl tert-butyl ether (MTBE)	49.8		"	50.0		99.7	74-131		1.08	30	
Methylcyclohexane	45.6		"	50.0		91.1	70-130		1.20	30	
Methylene chloride	48.7		"	50.0		97.3	57-141		0.471	30	
n-Butylbenzene	48.7		"	50.0		97.4	80-130		1.82	30	
n-Propylbenzene	47.9		"	50.0		95.7	74-136		0.749	30	
o-Xylene	48.2		"	50.0		96.5	83-123		1.28	30	
p- & m- Xylenes	101		"	100		101	82-128		1.31	30	
p-Isopropyltoluene	52.1		"	50.0		104	85-125		2.57	30	
sec-Butylbenzene	52.7		"	50.0		105	83-125		3.04	30	
Styrene	52.0		"	50.0		104	86-126		0.521	30	
tert-Butyl alcohol (TBA)	247		"	250		98.6	70-130		5.38	30	
tert-Butylbenzene	50.1		"	50.0		100	80-127		2.18	30	
Tetrachloroethylene	50.8		"	50.0		102	80-129		2.98	30	
Toluene	48.6		"	50.0		97.3	85-121		0.433	30	
trans-1,2-Dichloroethylene	47.8		"	50.0		95.6	72-132		2.11	30	
trans-1,3-Dichloropropylene	43.1		"	50.0		86.3	78-132		0.0232	30	
Trichloroethylene	49.4		"	50.0		98.7	84-123		0.549	30	
Trichlorofluoromethane	46.0		"	50.0		92.0	62-140		2.53	30	
Vinyl Chloride	46.0		"	50.0		92.1	52-130		3.42	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	47.7		"	50.0		95.3	77-125				
Surrogate: SURR: Toluene-d8	50.8		"	50.0		102	85-120				
Surrogate: SURR: p-Bromofluorobenzene	45.2		"	50.0		90.5	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 BD11571 - EPA 3546 SVOA											
LCS (BD11571-BS1)	LCS						Prepared & Analyzed: 04/29/2021				
1,1-Biphenyl	0.583	0.0416	mg/kg wet	0.831		70.2	18-111				
1,2,4,5-Tetrachlorobenzene	0.519	0.0830	"	0.831		62.4	21-131				
1,2,4-Trichlorobenzene	0.533	0.0416	"	0.831		64.1	10-140				
1,2-Dichlorobenzene	0.491	0.0416	"	0.831		59.1	34-108				
1,2-Diphenylhydrazine (as Azobenzene)	0.517	0.0416	"	0.831		62.2	17-137				
1,3-Dichlorobenzene	0.505	0.0416	"	0.831		60.8	33-110				
1,4-Dichlorobenzene	0.498	0.0416	"	0.831		59.9	32-104				
1-Methylnaphthalene	0.586	0.0830	"	0.831		70.6	40-140				
2,3,4,6-Tetrachlorophenol	0.649	0.0830	"	0.831		78.1	30-130				
2,4,5-Trichlorophenol	0.562	0.0416	"	0.831		67.6	27-118				
2,4,6-Trichlorophenol	0.565	0.0416	"	0.831		68.0	31-120				
2,4-Dichlorophenol	0.567	0.0416	"	0.831		68.3	20-127				
2,4-Dimethylphenol	0.585	0.0416	"	0.831		70.4	14-132				
2,4-Dinitrophenol	0.519	0.0830	"	0.831		62.5	10-171				
2,4-Dinitrotoluene	0.593	0.0416	"	0.831		71.4	34-131				
2,6-Dinitrotoluene	0.610	0.0416	"	0.831		73.4	31-128				
2-Chloronaphthalene	0.505	0.0416	"	0.831		60.8	31-117				
2-Chlorophenol	0.548	0.0416	"	0.831		66.0	33-113				
2-Methylnaphthalene	0.586	0.0416	"	0.831		70.6	12-138				
2-Methylphenol	0.539	0.0416	"	0.831		64.8	10-136				
2-Nitroaniline	0.578	0.0830	"	0.831		69.6	27-132				
2-Nitrophenol	0.619	0.0416	"	0.831		74.6	17-129				
3- & 4-Methylphenols	0.481	0.0416	"	0.831		57.9	29-103				
3,3-Dichlorobenzidine	0.579	0.0416	"	0.831		69.8	22-149				
3-Nitroaniline	0.550	0.0830	"	0.831		66.2	20-133				
4,6-Dinitro-2-methylphenol	0.653	0.0830	"	0.831		78.6	10-143				
4-Bromophenyl phenyl ether	0.524	0.0416	"	0.831		63.1	29-120				
4-Chloro-3-methylphenol	0.574	0.0416	"	0.831		69.2	24-129				
4-Chloroaniline	0.490	0.0416	"	0.831		59.0	10-132				
4-Chlorophenyl phenyl ether	0.494	0.0416	"	0.831		59.5	27-124				
4-Nitroaniline	0.567	0.0830	"	0.831		68.3	16-128				
4-Nitrophenol	0.573	0.0830	"	0.831		69.0	10-141				
Acenaphthene	0.496	0.0416	"	0.831		59.7	30-121				
Acenaphthylene	0.505	0.0416	"	0.831		60.8	30-115				
Acetophenone	0.568	0.0416	"	0.831		68.4	20-112				
Aniline	0.510	0.166	"	0.831		61.4	10-119				
Anthracene	0.541	0.0416	"	0.831		65.2	34-118				
Atrazine	0.614	0.0416	"	0.831		73.9	26-112				
Benzaldehyde	0.582	0.0416	"	0.831		70.0	21-100				
Benzo(a)anthracene	0.524	0.0416	"	0.831		63.1	32-122				
Benzo(a)pyrene	0.574	0.0416	"	0.831		69.1	29-133				
Benzo(b)fluoranthene	0.566	0.0416	"	0.831		68.2	25-133				
Benzo(g,h,i)perylene	0.608	0.0416	"	0.831		73.2	10-143				
Benzo(k)fluoranthene	0.540	0.0416	"	0.831		65.0	25-128				
Benzoic acid	0.369	0.0416	"	0.831		44.5	10-140				
Benzyl alcohol	0.607	0.0416	"	0.831		73.0	30-115				
Benzyl butyl phthalate	0.517	0.0416	"	0.831		62.3	26-126				
Bis(2-chloroethoxy)methane	0.550	0.0416	"	0.831		66.2	19-132				
Bis(2-chloroethyl)ether	0.537	0.0416	"	0.831		64.6	19-125				
Bis(2-chloroisopropyl)ether	0.602	0.0416	"	0.831		72.4	20-135				
Bis(2-ethylhexyl)phthalate	0.531	0.0416	"	0.831		63.9	10-155				



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
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Batch BD11571 - EPA 3546 SVOA

LCS (BD11571-BS1)	LCS	Prepared & Analyzed: 04/29/2021									
Caprolactam	0.734	0.0830	mg/kg wet	0.831		88.4	10-127				
Carbazole	0.545	0.0416	"	0.831		65.6	35-123				
Chrysene	0.533	0.0416	"	0.831		64.1	32-123				
Cresols, total	1.02	0.0830	"	1.66		61.4	30-130				
Dibenzo(a,h)anthracene	0.578	0.0416	"	0.831		69.6	10-136				
Dibenzofuran	0.525	0.0416	"	0.831		63.2	29-121				
Diethyl phthalate	0.511	0.0416	"	0.831		61.5	34-116				
Dimethyl phthalate	0.520	0.0416	"	0.831		62.6	35-124				
Di-n-butyl phthalate	0.520	0.0416	"	0.831		62.6	31-116				
Di-n-octyl phthalate	0.541	0.0416	"	0.831		65.1	26-136				
Diphenylamine	0.639	0.0830	"	0.831		76.9	40-140				
Fluoranthene	0.537	0.0416	"	0.831		64.6	33-122				
Fluorene	0.524	0.0416	"	0.831		63.0	29-123				
Hexachlorobenzene	0.527	0.0416	"	0.831		63.5	21-124				
Hexachlorobutadiene	0.512	0.0416	"	0.831		61.7	10-149				
Hexachlorocyclopentadiene	0.564	0.0416	"	0.831		68.0	10-129				
Hexachloroethane	0.490	0.0416	"	0.831		59.0	28-108				
Indeno(1,2,3-cd)pyrene	0.574	0.0416	"	0.831		69.1	10-135				
Isophorone	0.542	0.0416	"	0.831		65.2	20-132				
Naphthalene	0.546	0.0416	"	0.831		65.7	23-124				
Nitrobenzene	0.534	0.0416	"	0.831		64.3	13-132				
N-Nitrosodimethylamine	0.532	0.0416	"	0.831		64.1	11-129				
N-nitroso-di-n-propylamine	0.466	0.0416	"	0.831		56.1	24-119				
N-Nitrosodiphenylamine	0.655	0.0416	"	0.831		78.9	22-152				
Pentachloronitrobenzene	0.548	0.0830	"	0.831		66.0	40-140				
Pentachlorophenol	0.669	0.0416	"	0.831		80.5	10-139				
Phenanthrene	0.530	0.0416	"	0.831		63.8	33-123				
Phenol	0.589	0.0416	"	0.831		70.9	23-115				
Pyrene	0.534	0.0416	"	0.831		64.2	24-130				
Pyridine	0.467	0.166	"	0.831		56.2	10-91				
Surrogate: SURR: 2-Fluorophenol	1.08		"	1.66		65.1	20-108				
Surrogate: SURR: Phenol-d5	1.09		"	1.66		65.4	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.560		"	0.831		67.5	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.519		"	0.831		62.5	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.25		"	1.66		75.3	19-110				
Surrogate: SURR: Terphenyl-d14	0.599		"	0.831		72.2	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 BD11571 - EPA 3546 SVOA											
Matrix Spike (BD11571-MS1)	Matrix Spike	*Source sample: 21D1342-03 (Matrix Spike)						Prepared: 04/29/2021 Analyzed: 04/30/2021			
1,1-Biphenyl	0.675	0.0968	mg/kg dry	0.967	ND	69.8	10-130				
1,2,4,5-Tetrachlorobenzene	0.600	0.193	"	0.967	ND	62.0	10-133				
1,2,4-Trichlorobenzene	0.509	0.0968	"	0.967	ND	52.6	10-127				
1,2-Dichlorobenzene	0.456	0.0968	"	0.967	ND	47.1	14-111				
1,2-Diphenylhydrazine (as Azobenzene)	0.584	0.0968	"	0.967	ND	60.4	10-144				
1,3-Dichlorobenzene	0.440	0.0968	"	0.967	ND	45.4	11-111				
1,4-Dichlorobenzene	0.430	0.0968	"	0.967	ND	44.4	10-106				
1-Methylnaphthalene	0.793	0.193	"	0.967	0.107	70.9	40-140				
2,3,4,6-Tetrachlorophenol	0.647	0.193	"	0.967	ND	66.9	30-130				
2,4,5-Trichlorophenol	0.597	0.0968	"	0.967	ND	61.7	10-127				
2,4,6-Trichlorophenol	0.627	0.0968	"	0.967	ND	64.8	10-132				
2,4-Dichlorophenol	0.597	0.0968	"	0.967	ND	61.8	10-128				
2,4-Dimethylphenol	0.602	0.0968	"	0.967	ND	62.2	10-137				
2,4-Dinitrophenol	ND	0.193	"	0.967	ND		10-171	Low Bias			
2,4-Dinitrotoluene	0.519	0.0968	"	0.967	ND	53.7	16-135				
2,6-Dinitrotoluene	0.606	0.0968	"	0.967	ND	62.6	18-131				
2-Chloronaphthalene	0.538	0.0968	"	0.967	ND	55.6	10-129				
2-Chlorophenol	0.549	0.0968	"	0.967	ND	56.7	15-116				
2-Methylnaphthalene	0.797	0.0968	"	0.967	0.127	69.3	10-147				
2-Methylphenol	0.562	0.0968	"	0.967	ND	58.1	10-136				
2-Nitroaniline	0.677	0.193	"	0.967	ND	70.0	10-137				
2-Nitrophenol	0.505	0.0968	"	0.967	ND	52.2	10-129				
3- & 4-Methylphenols	0.515	0.0968	"	0.967	ND	53.3	10-123				
3,3-Dichlorobenzidine	0.532	0.0968	"	0.967	ND	55.0	10-155				
3-Nitroaniline	0.610	0.193	"	0.967	ND	63.0	12-133				
4,6-Dinitro-2-methylphenol	ND	0.193	"	0.967	ND		10-155	Low Bias			
4-Bromophenyl phenyl ether	0.585	0.0968	"	0.967	ND	60.5	14-128				
4-Chloro-3-methylphenol	0.601	0.0968	"	0.967	ND	62.2	10-134				
4-Chloroaniline	0.499	0.0968	"	0.967	ND	51.6	10-145				
4-Chlorophenyl phenyl ether	0.529	0.0968	"	0.967	ND	54.7	14-130				
4-Nitroaniline	0.617	0.193	"	0.967	ND	63.8	10-147				
4-Nitrophenol	0.526	0.193	"	0.967	ND	54.4	10-137				
Acenaphthene	1.07	0.0968	"	0.967	0.230	86.6	10-146				
Acenaphthylene	0.823	0.0968	"	0.967	0.302	53.9	10-134				
Acetophenone	0.567	0.0968	"	0.967	ND	58.6	10-116				
Aniline	0.482	0.388	"	0.967	ND	49.8	10-123				
Anthracene	1.54	0.0968	"	0.967	0.635	93.8	10-142				
Atrazine	0.576	0.0968	"	0.967	ND	59.5	19-115				
Benzaldehyde	0.685	0.0968	"	0.967	ND	70.8	10-125				
Benzo(a)anthracene	4.52	0.0968	"	0.967	2.38	221	10-158	High Bias			
Benzo(a)pyrene	6.94	0.0968	"	0.967	3.36	371	10-180	High Bias			
Benzo(b)fluoranthene	5.55	0.0968	"	0.967	2.38	327	10-200	High Bias			
Benzo(g,h,i)perylene	6.35	0.0968	"	0.967	2.97	350	10-138	High Bias			
Benzo(k)fluoranthene	4.40	0.0968	"	0.967	2.44	202	10-197	High Bias			
Benzoic acid	0.0906	0.0968	"	0.967	ND	9.36	10-166	Low Bias			
Benzyl alcohol	0.574	0.0968	"	0.967	ND	59.4	12-124				
Benzyl butyl phthalate	0.627	0.0968	"	0.967	ND	64.8	10-154				
Bis(2-chloroethoxy)methane	0.530	0.0968	"	0.967	ND	54.8	10-132				
Bis(2-chloroethyl)ether	0.471	0.0968	"	0.967	ND	48.6	10-119				
Bis(2-chloroisopropyl)ether	0.587	0.0968	"	0.967	ND	60.6	10-139				
Bis(2-ethylhexyl)phthalate	0.627	0.0968	"	0.967	0.0802	56.5	10-167				



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
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Batch BD11571 - EPA 3546 SVOA

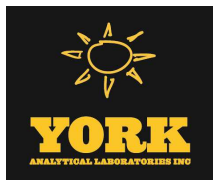
Matrix Spike (BD11571-MS1)	Matrix Spike	*Source sample: 21D1342-03 (Matrix Spike)						Prepared: 04/29/2021 Analyzed: 04/30/2021			
Caprolactam	0.737	0.193	mg/kg dry	0.967	ND	76.2	10-132				
Carbazole	1.13	0.0968	"	0.967	0.221	93.7	10-167				
Chrysene	4.48	0.0968	"	0.967	2.22	234	10-156	High Bias			
Cresols, total	1.08	0.193	"	1.93	ND	55.7	30-130				
Dibenzo(a,h)anthracene	2.80	0.0968	"	0.967	1.03	183	10-137	High Bias			
Dibenzofuran	0.907	0.0968	"	0.967	0.126	80.7	10-147				
Diethyl phthalate	0.536	0.0968	"	0.967	ND	55.4	20-120				
Dimethyl phthalate	0.547	0.0968	"	0.967	ND	56.6	18-131				
Di-n-butyl phthalate	0.584	0.0968	"	0.967	ND	60.4	10-137				
Di-n-octyl phthalate	0.581	0.0968	"	0.967	ND	60.1	10-180				
Diphenylamine	0.727	0.193	"	0.967	ND	75.1	40-140				
Fluoranthene	4.30	0.0968	"	0.967	3.11	123	10-160				
Fluorene	0.982	0.0968	"	0.967	0.164	84.5	10-157				
Hexachlorobenzene	0.543	0.0968	"	0.967	ND	56.1	10-137				
Hexachlorobutadiene	0.543	0.0968	"	0.967	ND	56.1	10-132				
Hexachlorocyclopentadiene	ND	0.0968	"	0.967	ND		10-106	Low Bias			
Hexachloroethane	0.317	0.0968	"	0.967	ND	32.8	10-110				
Indeno(1,2,3-cd)pyrene	6.09	0.0968	"	0.967	2.99	320	10-144	High Bias			
Isophorone	0.585	0.0968	"	0.967	ND	60.5	10-132				
Naphthalene	1.17	0.0968	"	0.967	0.566	62.2	10-141				
Nitrobenzene	0.521	0.0968	"	0.967	ND	53.8	10-131				
N-Nitrosodimethylamine	0.471	0.0968	"	0.967	ND	48.6	10-126				
N-nitroso-di-n-propylamine	0.467	0.0968	"	0.967	ND	48.2	10-125				
N-Nitrosodiphenylamine	1.03	0.0968	"	0.967	ND	106	10-177				
Pentachloronitrobenzene	0.470	0.193	"	0.967	ND	48.6	40-140				
Pentachlorophenol	0.461	0.0968	"	0.967	ND	47.7	10-153				
Phenanthrene	2.98	0.0968	"	0.967	1.68	134	10-148				
Phenol	0.591	0.0968	"	0.967	ND	61.0	10-126				
Pyrene	4.45	0.0968	"	0.967	3.18	131	10-165				
Pyridine	0.460	0.388	"	0.967	ND	47.6	10-83				
Surrogate: SURR: 2-Fluorophenol	1.05		"	1.93		54.3	20-108				
Surrogate: SURR: Phenol-d5	1.11		"	1.93		57.6	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.546		"	0.967		56.5	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.551		"	0.967		57.0	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.33		"	1.93		69.0	19-110				
Surrogate: SURR: Terphenyl-d14	0.646		"	0.967		66.8	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 BD11571 - EPA 3546 SVOA											
Matrix Spike Dup (BD11571-1) Matrix Spike Dup						Source sample: 21D1342-03 (Matrix Spike Dup) Prepared: 04/29/2021 Analyzed: 04/30/2021					
1,1-Biphenyl	0.741	0.0968	mg/kg dry	0.967	ND	76.6	10-130		9.40	30	
1,2,4,5-Tetrachlorobenzene	0.604	0.193	"	0.967	ND	62.5	10-133		0.771	30	
1,2,4-Trichlorobenzene	0.572	0.0968	"	0.967	ND	59.1	10-127		11.6	30	
1,2-Dichlorobenzene	0.509	0.0968	"	0.967	ND	52.6	14-111		11.1	30	
1,2-Diphenylhydrazine (as Azobenzene)	0.554	0.0968	"	0.967	ND	57.3	10-144		5.30	30	
1,3-Dichlorobenzene	0.490	0.0968	"	0.967	ND	50.6	11-111		10.8	30	
1,4-Dichlorobenzene	0.475	0.0968	"	0.967	ND	49.1	10-106		10.1	30	
1-Methylnaphthalene	0.906	0.193	"	0.967	0.107	82.6	40-140		13.3	30	
2,3,4,6-Tetrachlorophenol	0.604	0.193	"	0.967	ND	62.5	30-130		6.80	30	
2,4,5-Trichlorophenol	0.576	0.0968	"	0.967	ND	59.5	10-127		3.56	30	
2,4,6-Trichlorophenol	0.603	0.0968	"	0.967	ND	62.3	10-132		3.90	30	
2,4-Dichlorophenol	0.597	0.0968	"	0.967	ND	61.8	10-128		0.00	30	
2,4-Dimethylphenol	0.634	0.0968	"	0.967	ND	65.5	10-137		5.13	30	
2,4-Dinitrophenol	ND	0.193	"	0.967	ND		10-171	Low Bias		30	
2,4-Dinitrotoluene	0.502	0.0968	"	0.967	ND	51.8	16-135		3.49	30	
2,6-Dinitrotoluene	0.546	0.0968	"	0.967	ND	56.5	18-131		10.3	30	
2-Chloronaphthalene	0.558	0.0968	"	0.967	ND	57.7	10-129		3.67	30	
2-Chlorophenol	0.553	0.0968	"	0.967	ND	57.1	15-116		0.703	30	
2-Methylnaphthalene	0.955	0.0968	"	0.967	0.127	85.6	10-147		18.0	30	
2-Methylphenol	0.566	0.0968	"	0.967	ND	58.5	10-136		0.686	30	
2-Nitroaniline	0.660	0.193	"	0.967	ND	68.2	10-137		2.55	30	
2-Nitrophenol	0.597	0.0968	"	0.967	ND	61.7	10-129		16.6	30	
3- & 4-Methylphenols	0.546	0.0968	"	0.967	ND	56.5	10-123		5.83	30	
3,3-Dichlorobenzidine	0.573	0.0968	"	0.967	ND	59.2	10-155		7.43	30	
3-Nitroaniline	0.626	0.193	"	0.967	ND	64.7	12-133		2.63	30	
4,6-Dinitro-2-methylphenol	ND	0.193	"	0.967	ND		10-155	Low Bias		30	
4-Bromophenyl phenyl ether	0.547	0.0968	"	0.967	ND	56.6	14-128		6.70	30	
4-Chloro-3-methylphenol	0.587	0.0968	"	0.967	ND	60.6	10-134		2.48	30	
4-Chloroaniline	0.532	0.0968	"	0.967	ND	55.0	10-145		6.45	30	
4-Chlorophenyl phenyl ether	0.528	0.0968	"	0.967	ND	54.6	14-130		0.293	30	
4-Nitroaniline	0.662	0.193	"	0.967	ND	68.4	10-147		7.02	30	
4-Nitrophenol	0.505	0.193	"	0.967	ND	52.2	10-137		4.20	30	
Acenaphthene	1.61	0.0968	"	0.967	0.230	143	10-146		40.6	30	Non-dir.
Acenaphthylene	0.940	0.0968	"	0.967	0.302	65.9	10-134		13.2	30	
Acetophenone	0.627	0.0968	"	0.967	ND	64.8	10-116		10.1	30	
Aniline	0.483	0.388	"	0.967	ND	49.9	10-123		0.160	30	
Anthracene	2.88	0.0968	"	0.967	0.635	232	10-142	High Bias	60.6	30	Non-dir.
Atrazine	0.560	0.0968	"	0.967	ND	57.9	19-115		2.72	30	
Benzaldehyde	0.793	0.0968	"	0.967	ND	82.0	10-125		14.7	30	
Benzo(a)anthracene	7.73	0.0968	"	0.967	2.38	553	10-158	High Bias	52.4	30	Non-dir.
Benzo(a)pyrene	10.1	0.0968	"	0.967	3.36	697	10-180	High Bias	37.0	30	Non-dir.
Benzo(b)fluoranthene	9.46	0.0968	"	0.967	2.38	731	10-200	High Bias	52.2	30	Non-dir.
Benzo(g,h,i)perylene	7.38	0.0968	"	0.967	2.97	456	10-138	High Bias	15.0	30	
Benzo(k)fluoranthene	5.19	0.0968	"	0.967	2.44	284	10-197	High Bias	16.6	30	
Benzoic acid	0.159	0.0968	"	0.967	ND	16.4	10-166		54.7	30	Non-dir.
Benzyl alcohol	0.571	0.0968	"	0.967	ND	59.0	12-124		0.541	30	
Benzyl butyl phthalate	0.554	0.0968	"	0.967	ND	57.3	10-154		12.3	30	
Bis(2-chloroethoxy)methane	0.573	0.0968	"	0.967	ND	59.2	10-132		7.72	30	
Bis(2-chloroethyl)ether	0.530	0.0968	"	0.967	ND	54.8	10-119		11.9	30	
Bis(2-chloroisopropyl)ether	0.586	0.0968	"	0.967	ND	60.6	10-139		0.132	30	
Bis(2-ethylhexyl)phthalate	0.614	0.0968	"	0.967	0.0802	55.2	10-167		2.12	30	



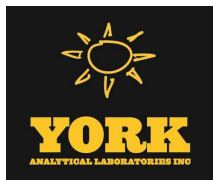
Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BD11571 - EPA 3546 SVOA

Matrix Spike Dup (BD11571-1) Matrix Spike Dup				Source sample: 21D1342-03 (Matrix Spike Dup)				Prepared: 04/29/2021 Analyzed: 04/30/2021			
Caprolactam	0.751	0.193	mg/kg dry	0.967	ND	77.6	10-132		1.87	30	
Carbazole	1.73	0.0968	"	0.967	0.221	156	10-167		42.1	30	Non-dir.
Chrysene	7.50	0.0968	"	0.967	2.22	545	10-156	High Bias	50.4	30	Non-dir.
Cresols, total	1.11	0.193	"	1.93	ND	57.5	30-130		3.18	30	
Dibenzo(a,h)anthracene	3.48	0.0968	"	0.967	1.03	253	10-137	High Bias	21.6	30	
Dibenzofuran	1.18	0.0968	"	0.967	0.126	109	10-147		26.0	30	
Diethyl phthalate	0.532	0.0968	"	0.967	ND	55.0	20-120		0.580	30	
Dimethyl phthalate	0.530	0.0968	"	0.967	ND	54.8	18-131		3.16	30	
Di-n-butyl phthalate	0.560	0.0968	"	0.967	ND	57.8	10-137		4.33	30	
Di-n-octyl phthalate	0.553	0.0968	"	0.967	ND	57.2	10-180		4.91	30	
Diphenylamine	0.832	0.193	"	0.967	ND	86.0	40-140		13.5	30	
Fluoranthene	7.04	0.0968	"	0.967	3.11	406	10-160	High Bias	48.3	30	Non-dir.
Fluorene	1.37	0.0968	"	0.967	0.164	125	10-157		33.0	30	Non-dir.
Hexachlorobenzene	0.572	0.0968	"	0.967	ND	59.1	10-137		5.28	30	
Hexachlorobutadiene	0.573	0.0968	"	0.967	ND	59.3	10-132		5.55	30	
Hexachlorocyclopentadiene	ND	0.0968	"	0.967	ND		10-106	Low Bias		30	
Hexachloroethane	0.334	0.0968	"	0.967	ND	34.5	10-110		4.99	30	
Indeno(1,2,3-cd)pyrene	7.95	0.0968	"	0.967	2.99	512	10-144	High Bias	26.4	30	
Isophorone	0.582	0.0968	"	0.967	ND	60.2	10-132		0.531	30	
Naphthalene	1.57	0.0968	"	0.967	0.566	103	10-141		29.1	30	
Nitrobenzene	0.580	0.0968	"	0.967	ND	60.0	10-131		10.8	30	
N-Nitrosodimethylamine	0.473	0.0968	"	0.967	ND	48.9	10-126		0.492	30	
N-nitroso-di-n-propylamine	0.486	0.0968	"	0.967	ND	50.2	10-125		4.06	30	
N-Nitrosodiphenylamine	1.51	0.0968	"	0.967	ND	156	10-177		37.7	30	Non-dir.
Pentachloronitrobenzene	0.445	0.193	"	0.967	ND	46.0	40-140		5.41	30	
Pentachlorophenol	0.419	0.0968	"	0.967	ND	43.4	10-153		9.49	30	
Phenanthrene	5.07	0.0968	"	0.967	1.68	351	10-148	High Bias	52.0	30	Non-dir.
Phenol	0.605	0.0968	"	0.967	ND	62.6	10-126		2.46	30	
Pyrene	7.17	0.0968	"	0.967	3.18	412	10-165	High Bias	46.7	30	Non-dir.
Pyridine	0.448	0.388	"	0.967	ND	46.3	10-83		2.73	30	
Surrogate: SURR: 2-Fluorophenol	1.06		"	1.93		54.6	20-108				
Surrogate: SURR: Phenol-d5	1.08		"	1.93		56.0	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.593		"	0.967		61.3	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.562		"	0.967		58.1	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.31		"	1.93		67.9	19-110				
Surrogate: SURR: Terphenyl-d14	0.615		"	0.967		63.5	24-116				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BD11384 - EPA 3550C

Blank (BD11384-BLK1)	Blank		Prepared: 04/26/2021 Analyzed: 04/28/2021								
4,4'-DDD	ND	0.00164	mg/kg wet								
4,4'-DDE	ND	0.00164	"								
4,4'-DDT	ND	0.00164	"								
Aldrin	ND	0.00164	"								
alpha-BHC	ND	0.00164	"								
alpha-Chlordane	ND	0.00164	"								
beta-BHC	ND	0.00164	"								
delta-BHC	ND	0.00164	"								
Dieldrin	ND	0.00164	"								
Endosulfan I	ND	0.00164	"								
Endosulfan II	ND	0.00164	"								
Endosulfan sulfate	ND	0.00164	"								
Endrin	ND	0.00164	"								
Endrin aldehyde	ND	0.00164	"								
Endrin ketone	ND	0.00164	"								
gamma-BHC (Lindane)	ND	0.00164	"								
gamma-Chlordane	ND	0.00164	"								
Heptachlor	ND	0.00164	"								
Heptachlor epoxide	ND	0.00164	"								
Methoxychlor	ND	0.00164	"								
Toxaphene	ND	0.164	"								
Chlordane, total	ND	0.0329	"								
Surrogate: Decachlorobiphenyl	0.0559		"	0.0664		84.1	30-150				
Surrogate: Tetrachloro-m-xylene	0.0527		"	0.0664		79.3	30-150				

LCS (BD11384-BS1)	LCS		Prepared: 04/26/2021 Analyzed: 04/28/2021								
4,4'-DDD	0.0325	0.00164	mg/kg wet	0.0332		97.8	40-140				
4,4'-DDE	0.0257	0.00164	"	0.0332		77.5	40-140				
4,4'-DDT	0.0133	0.00164	"	0.0332		40.2	40-140				
Aldrin	0.0280	0.00164	"	0.0332		84.2	40-140				
alpha-BHC	0.0264	0.00164	"	0.0332		79.4	40-140				
alpha-Chlordane	0.0281	0.00164	"	0.0332		84.6	40-140				
beta-BHC	0.0238	0.00164	"	0.0332		71.5	40-140				
delta-BHC	0.0273	0.00164	"	0.0332		82.2	40-140				
Dieldrin	0.0286	0.00164	"	0.0332		86.2	40-140				
Endosulfan I	0.0307	0.00164	"	0.0332		92.4	40-140				
Endosulfan II	0.0286	0.00164	"	0.0332		86.1	40-140				
Endosulfan sulfate	0.0270	0.00164	"	0.0332		81.2	40-140				
Endrin	0.0232	0.00164	"	0.0332		69.8	40-140				
Endrin aldehyde	0.0277	0.00164	"	0.0332		83.5	40-140				
Endrin ketone	0.0282	0.00164	"	0.0332		84.8	40-140				
gamma-BHC (Lindane)	0.0259	0.00164	"	0.0332		77.9	40-140				
gamma-Chlordane	0.0278	0.00164	"	0.0332		83.8	40-140				
Heptachlor	0.0287	0.00164	"	0.0332		86.5	40-140				
Heptachlor epoxide	0.0290	0.00164	"	0.0332		87.3	40-140				
Methoxychlor	0.0152	0.00164	"	0.0332		45.9	40-140				
Surrogate: Decachlorobiphenyl	0.0570		"	0.0664		85.8	30-150				
Surrogate: Tetrachloro-m-xylene	0.0543		"	0.0664		81.7	30-150				



Organochlorine Pesticides by GC/ECD - Quality Control Data

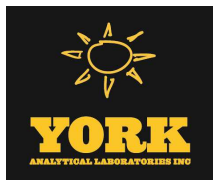
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BD11384 - EPA 3550C

Matrix Spike (BD11384-MS1)	Matrix Spike	*Source sample: 21D1078-01 (Matrix Spike)						Prepared: 04/26/2021 Analyzed: 04/28/2021			
4,4'-DDD	0.0326	0.00180	mg/kg dry	0.0363	ND	89.8	30-150				
4,4'-DDE	0.0266	0.00180	"	0.0363	ND	73.2	30-150				
4,4'-DDT	0.0214	0.00180	"	0.0363	ND	58.9	30-150				
Aldrin	0.0248	0.00180	"	0.0363	ND	68.2	30-150				
alpha-BHC	0.0254	0.00180	"	0.0363	ND	70.0	30-150				
alpha-Chlordane	0.0292	0.00180	"	0.0363	ND	80.4	30-150				
beta-BHC	0.0295	0.00180	"	0.0363	ND	81.2	30-150				
delta-BHC	0.0246	0.00180	"	0.0363	ND	67.6	30-150				
Dieldrin	0.0280	0.00180	"	0.0363	ND	77.1	30-150				
Endosulfan I	0.0277	0.00180	"	0.0363	ND	76.2	30-150				
Endosulfan II	0.0289	0.00180	"	0.0363	ND	79.5	30-150				
Endosulfan sulfate	0.0276	0.00180	"	0.0363	ND	76.1	30-150				
Endrin	0.0252	0.00180	"	0.0363	ND	69.5	30-150				
Endrin aldehyde	0.0260	0.00180	"	0.0363	ND	71.5	30-150				
Endrin ketone	0.0287	0.00180	"	0.0363	ND	79.2	30-150				
gamma-BHC (Lindane)	0.0252	0.00180	"	0.0363	ND	69.4	30-150				
gamma-Chlordane	0.0295	0.00180	"	0.0363	ND	81.1	30-150				
Heptachlor	0.0297	0.00180	"	0.0363	ND	81.9	30-150				
Heptachlor epoxide	0.0244	0.00180	"	0.0363	ND	67.1	30-150				
Methoxychlor	0.0219	0.00180	"	0.0363	ND	60.4	30-150				
Surrogate: Decachlorobiphenyl	0.0591		"	0.0726		81.4	30-150				
Surrogate: Tetrachloro-m-xylene	0.0373		"	0.0726		51.4	30-150				

Matrix Spike Dup (BD11384-MS1)	Matrix Spike Dup	*Source sample: 21D1078-01 (Matrix Spike Dup)						Prepared: 04/26/2021 Analyzed: 04/28/2021			
4,4'-DDD	0.0296	0.00180	mg/kg dry	0.0363	ND	81.4	30-150	9.73	30		
4,4'-DDE	0.0249	0.00180	"	0.0363	ND	68.5	30-150	6.60	30		
4,4'-DDT	0.0214	0.00180	"	0.0363	ND	58.8	30-150	0.0255	30		
Aldrin	0.0234	0.00180	"	0.0363	ND	64.4	30-150	5.71	30		
alpha-BHC	0.0243	0.00180	"	0.0363	ND	67.0	30-150	4.42	30		
alpha-Chlordane	0.0275	0.00180	"	0.0363	ND	75.8	30-150	5.85	30		
beta-BHC	0.0290	0.00180	"	0.0363	ND	79.9	30-150	1.66	30		
delta-BHC	0.0237	0.00180	"	0.0363	ND	65.3	30-150	3.50	30		
Dieldrin	0.0269	0.00180	"	0.0363	ND	74.1	30-150	3.93	30		
Endosulfan I	0.0262	0.00180	"	0.0363	ND	72.0	30-150	5.59	30		
Endosulfan II	0.0268	0.00180	"	0.0363	ND	73.9	30-150	7.39	30		
Endosulfan sulfate	0.0268	0.00180	"	0.0363	ND	73.9	30-150	2.93	30		
Endrin	0.0242	0.00180	"	0.0363	ND	66.7	30-150	4.15	30		
Endrin aldehyde	0.0227	0.00180	"	0.0363	ND	62.6	30-150	13.3	30		
Endrin ketone	0.0276	0.00180	"	0.0363	ND	76.2	30-150	3.86	30		
gamma-BHC (Lindane)	0.0239	0.00180	"	0.0363	ND	65.9	30-150	5.18	30		
gamma-Chlordane	0.0283	0.00180	"	0.0363	ND	78.0	30-150	3.92	30		
Heptachlor	0.0292	0.00180	"	0.0363	ND	80.3	30-150	2.02	30		
Heptachlor epoxide	0.0253	0.00180	"	0.0363	ND	69.8	30-150	3.98	30		
Methoxychlor	0.0213	0.00180	"	0.0363	ND	58.8	30-150	2.76	30		
Surrogate: Decachlorobiphenyl	0.0569		"	0.0726		78.3	30-150				
Surrogate: Tetrachloro-m-xylene	0.0337		"	0.0726		46.4	30-150				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch Y1D0212 - BC11630

Performance Mix (Y1D0212-F Performance Mix						Prepared & Analyzed: 04/01/2021					
4,4'-DDD	10.7		ng/mL	0.00			0-200				
4,4'-DDE	0.811		"	0.00			0-200				
4,4'-DDT	247		"	200		123	0-200				
Endrin	129		"	100		129	0-200				
Endrin aldehyde	0.667		"	0.00			0-200				
Endrin ketone	2.54		"	0.00			0-200				

Batch Y1D2918 - BD11072

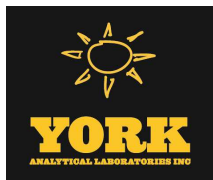
Performance Mix (Y1D2918-F Performance Mix						Prepared & Analyzed: 04/28/2021					
4,4'-DDD	10.6		ng/mL	0.00			0-200				
4,4'-DDE	1.25		"	0.00			0-200				
4,4'-DDT	106		"	200		52.9	0-200				
Endrin	63.4		"	100		63.4	0-200				
Endrin aldehyde	1.40		"	0.00			0-200				
Endrin ketone	6.18		"	0.00			0-200				



Polychlorinated Biphenyls by GC/ECD - 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 BD11384 - EPA 3550C											
Blank (BD11384-BLK2)	Blank										Prepared: 04/26/2021 Analyzed: 04/27/2021
Aroclor 1016	ND	0.0166	mg/kg wet								
Aroclor 1221	ND	0.0166	"								
Aroclor 1232	ND	0.0166	"								
Aroclor 1242	ND	0.0166	"								
Aroclor 1248	ND	0.0166	"								
Aroclor 1254	ND	0.0166	"								
Aroclor 1260	ND	0.0166	"								
Aroclor 1262	ND	0.0166	"								
Aroclor 1268	ND	0.0166	"								
Total PCBs	ND	0.0166	"								
Surrogate: Tetrachloro-m-xylene	0.0555		"	0.0664		83.5	30-120				
Surrogate: Decachlorobiphenyl	0.0432		"	0.0664		65.0	30-120				
LCS (BD11384-BS2)	LCS										Prepared: 04/26/2021 Analyzed: 04/27/2021
Aroclor 1016	0.326	0.0166	mg/kg wet	0.332		98.0	40-130				
Aroclor 1260	0.307	0.0166	"	0.332		92.3	40-130				
Surrogate: Tetrachloro-m-xylene	0.0535		"	0.0664		80.5	30-120				
Surrogate: Decachlorobiphenyl	0.0382		"	0.0664		57.5	30-120				
Matrix Spike (BD11384-MS2)	Matrix Spike	*Source sample: 21D1078-01 (Matrix Spike)								Prepared: 04/26/2021 Analyzed: 04/27/2021	
Aroclor 1016	0.241	0.0181	mg/kg dry	0.363	ND	66.4	40-140				
Aroclor 1260	0.260	0.0181	"	0.363	ND	71.6	40-140				
Surrogate: Tetrachloro-m-xylene	0.0537		"	0.0726		74.0	30-120				
Surrogate: Decachlorobiphenyl	0.0410		"	0.0726		56.5	30-120				
Matrix Spike Dup (BD11384-MS2)	Matrix Spike Dup	*Source sample: 21D1078-01 (Matrix Spike Dup)								Prepared: 04/26/2021 Analyzed: 04/27/2021	
Aroclor 1016	0.247	0.0181	mg/kg dry	0.363	ND	68.1	40-140		2.44	50	
Aroclor 1260	0.267	0.0181	"	0.363	ND	73.6	40-140		2.73	50	
Surrogate: Tetrachloro-m-xylene	0.0537		"	0.0726		74.0	30-120				
Surrogate: Decachlorobiphenyl	0.0403		"	0.0726		55.5	30-120				



Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

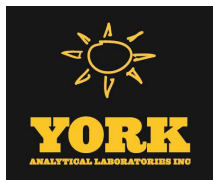
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch Y1D2733 - BD11407

Aroclor Reference (Y1D2733-) Aroclor Reference

Prepared & Analyzed: 04/27/2021

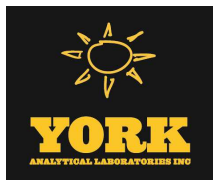
Surrogate: Tetrachloro-m-xylene	0.216		ug/mL	0.200		108					
Surrogate: Decachlorobiphenyl	0.188		"	0.200		94.0					



Chlorinated Herbicides by GC/ECD - 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 BD11490 - EPA 3550C/8151A											
Blank (BD11490-BLK1)	Blank								Prepared & Analyzed: 04/28/2021		
2,4,5-T	ND	0.0199	mg/kg wet								
2,4,5-TP (Silvex)	ND	0.0199	"								
2,4-D	ND	0.0199	"								
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	0.251		"	0.415		60.4	21-150				
LCS (BD11490-BS1)	LCS								Prepared & Analyzed: 04/28/2021		
2,4,5-T	0.0988	0.0199	mg/kg wet	0.133		74.4	10-120				
2,4,5-TP (Silvex)	0.114	0.0199	"	0.133		85.6	10-120				
2,4-D	0.102	0.0199	"	0.133		76.9	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	0.160		"	0.415		38.6	21-150				
Matrix Spike (BD11490-MS1)	Matrix Spike	*Source sample: 21D1078-01 (Matrix Spike)							Prepared & Analyzed: 04/28/2021		
2,4,5-T	0.0572	0.0218	mg/kg dry	0.145	ND	39.4	10-120				
2,4,5-TP (Silvex)	0.0717	0.0218	"	0.145	ND	49.4	10-120				
2,4-D	0.0617	0.0218	"	0.145	ND	42.5	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	0.344		"	0.454		75.8	21-150				
Matrix Spike Dup (BD11490-MS1)	Matrix Spike Dup	*Source sample: 21D1078-01 (Matrix Spike Dup)							Prepared & Analyzed: 04/28/2021		
2,4,5-T	0.0617	0.0218	mg/kg dry	0.145	ND	42.5	10-120		7.63	35	
2,4,5-TP (Silvex)	0.0772	0.0218	"	0.145	ND	53.1	10-120		7.32	35	
2,4-D	0.0654	0.0218	"	0.145	ND	45.0	10-118		5.71	35	
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	0.313		"	0.454		69.0	21-150				



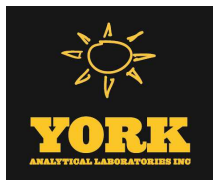
Metals by ICP - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BD11335 - EPA 3050B

Blank (BD11335-BLK1)	Blank										Prepared: 04/23/2021 Analyzed: 04/26/2021	
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	9.18	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	ND	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 (BD11335-DUP1)	Duplicate										Prepared: 04/23/2021 Analyzed: 04/26/2021	
					*Source sample: 21D1113-02 (Duplicate)							
Aluminum	4610	5.32	mg/kg dry		5290				13.7	35		
Antimony	ND	2.66	"		ND					35		
Arsenic	ND	1.60	"		1.87					35		
Barium	17.4	2.66	"		22.5				25.1	35		
Beryllium	ND	0.053	"		ND					35		
Cadmium	ND	0.319	"		ND					35		
Calcium	2630	5.32	"		3190				19.1	35		
Chromium	6.63	0.532	"		9.26				33.1	35		
Cobalt	2.52	0.426	"		3.07				19.7	35		
Copper	6.18	2.13	"		8.69				33.7	35		
Iron	7780	26.6	"		8410				7.75	35		
Lead	8.96	0.532	"		13.9				43.0	35		Non-dir.
Magnesium	1110	5.32	"		1190				6.28	35		
Manganese	84.1	0.532	"		83.3				0.942	35		
Nickel	5.03	1.06	"		6.21				21.0	35		
Potassium	531	5.32	"		662				22.1	35		
Selenium	ND	2.66	"		ND					35		
Silver	ND	0.532	"		ND					35		
Sodium	105	53.2	"		132				22.9	35		
Thallium	ND	2.66	"		ND					35		
Vanadium	11.5	1.06	"		14.2				21.0	35		
Zinc	17.4	2.66	"		24.5				33.7	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
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Batch BD11335 - EPA 3050B

Matrix Spike (BD11335-MS1)	Matrix Spike	*Source sample: 21D1113-02 (Matrix Spike)						Prepared: 04/23/2021 Analyzed: 04/26/2021			
Aluminum	5070	5.32	mg/kg dry	213	5290	NR	75-125	Low Bias			
Antimony	8.68	2.66	"	26.6	ND	32.6	75-125	Low Bias			
Arsenic	212	1.60	"	213	1.87	98.5	75-125				
Barium	235	2.66	"	213	22.5	100	75-125				
Beryllium	4.65	0.053	"	5.32	ND	87.4	75-125				
Cadmium	5.45	0.319	"	5.32	ND	102	75-125				
Calcium	3080	5.32	"	106	3190	NR	75-125	Low Bias			
Chromium	27.7	0.532	"	21.3	9.26	86.6	75-125				
Cobalt	57.7	0.426	"	53.2	3.07	103	75-125				
Copper	33.8	2.13	"	26.6	8.69	94.4	75-125				
Iron	9860	26.6	"	106	8410	NR	75-125	High Bias			
Lead	69.2	0.532	"	53.2	13.9	104	75-125				
Magnesium	1340	5.32	"	106	1190	143	75-125	High Bias			
Manganese	159	0.532	"	53.2	83.3	143	75-125	High Bias			
Nickel	60.8	1.06	"	53.2	6.21	103	75-125				
Potassium	701	5.32	"	106	662	36.6	75-125	Low Bias			
Selenium	182	2.66	"	213	ND	85.6	75-125				
Silver	4.52	0.532	"	5.32	ND	85.0	75-125				
Sodium	224	53.2	"	106	132	86.7	75-125				
Thallium	211	2.66	"	213	ND	99.0	75-125				
Vanadium	67.1	1.06	"	53.2	14.2	99.5	75-125				
Zinc	81.8	2.66	"	53.2	24.5	108	75-125				

Post Spike (BD11335-PS1)	Post Spike	*Source sample: 21D1113-02 (Post Spike)						Prepared: 04/23/2021 Analyzed: 04/26/2021			
Aluminum	51.8		ug/mL	2.00	49.7	105	75-125				
Antimony	0.273		"	0.250	-0.007	109	75-125				
Arsenic	2.10		"	2.00	0.018	104	75-125				
Barium	2.40		"	2.00	0.211	110	75-125				
Beryllium	0.046		"	0.0500	-0.006	92.8	75-125				
Cadmium	0.053		"	0.0500	0.0006	105	75-125				
Calcium	30.8		"	1.00	30.0	83.8	75-125				
Chromium	0.292		"	0.200	0.087	103	75-125				
Cobalt	0.585		"	0.500	0.029	111	75-125				
Copper	0.348		"	0.250	0.082	107	75-125				
Iron	79.9		"	1.00	79.0	89.6	75-125				
Lead	0.676		"	0.500	0.130	109	75-125				
Magnesium	12.2		"	1.00	11.2	102	75-125				
Manganese	1.32		"	0.500	0.782	107	75-125				
Nickel	0.619		"	0.500	0.058	112	75-125				
Potassium	7.37		"	1.00	6.22	115	75-125				
Selenium	1.81		"	2.00	-0.066	90.6	75-125				
Silver	0.022		"	0.0500	-0.015	44.7	75-125	Low Bias			
Sodium	2.35		"	1.00	1.24	111	75-125				
Thallium	2.08		"	2.00	-0.027	104	75-125				
Vanadium	0.656		"	0.500	0.133	104	75-125				
Zinc	0.763		"	0.500	0.230	107	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
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Batch BD11335 - EPA 3050B

Reference (BD11335-SRM1)	Reference	Prepared: 04/23/2021 Analyzed: 04/26/2021									
Aluminum	8850	5.00	mg/kg wet	8190		108	50.5-150.1				
Antimony	62.9	2.50	"	110		57.2	19-251.7				
Arsenic	164	1.50	"	162		101	70.1-129.8				
Barium	145	2.50	"	138		105	75-125				
Beryllium	160	0.050	"	157		102	75-125.2				
Cadmium	140	0.300	"	135		104	74.8-125.2				
Calcium	4890	5.00	"	4790		102	72.7-127.5				
Chromium	118	0.500	"	117		100	70.1-129.9				
Cobalt	98.5	0.400	"	92.6		106	75-125				
Copper	145	2.00	"	143		102	75.3-125.3				
Iron	13600	25.0	"	15100		90.1	35.8-164.6				
Lead	75.3	0.500	"	77.6		97.1	70-130				
Magnesium	2340	5.00	"	2320		101	61.7-137.8				
Manganese	336	0.500	"	319		105	78.1-122				
Nickel	90.3	1.00	"	79.9		113	70.1-130.1				
Potassium	2090	5.00	"	2050		102	59.1-140.9				
Selenium	146	2.50	"	172		84.9	55.7-144.5				
Silver	22.9	0.500	"	24.7		92.7	69.2-130.8				
Sodium	153	50.0	"	137		111	36.1-163.3				
Thallium	84.1	2.50	"	88.0		95.6	65.3-146.8				
Vanadium	97.8	1.00	"	99.9		97.9	67-133.1				
Zinc	309	2.50	"	312		99.1	69.9-130.1				



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 BD11447 - EPA 7473 soil											
Blank (BD11447-BLK1)	Blank								Prepared & Analyzed: 04/27/2021		
Mercury	ND	0.0300	mg/kg wet								
Duplicate (BD11447-DUP1)	Duplicate	*Source sample: 21D1140-14 (Duplicate)							Prepared & Analyzed: 04/27/2021		
Mercury	0.202	0.0335	mg/kg dry		0.153				27.7	35	
Duplicate (BD11447-DUP2)	Duplicate	*Source sample: 21D0954-02 (Duplicate)							Prepared & Analyzed: 04/27/2021		
Mercury	0.587	0.0353	mg/kg dry		0.522				11.8	35	
Matrix Spike (BD11447-MS1)	Matrix Spike	*Source sample: 21D1140-14 (Matrix Spike)							Prepared & Analyzed: 04/27/2021		
Mercury	0.635		mg/kg	0.500	0.137	99.7	75-125				
Matrix Spike (BD11447-MS2)	Matrix Spike	*Source sample: 21D0954-02 (Matrix Spike)							Prepared & Analyzed: 04/27/2021		
Mercury	0.959		mg/kg	0.500	0.444	103	75-125				
Reference (BD11447-SRM1)	Reference								Prepared & Analyzed: 04/27/2021		
Mercury	26.702		mg/kg	27.2		98.2	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
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Batch BD11430 - % Solids Prep

Duplicate (BD11430-DUP1)	Duplicate	*Source sample: 21D1188-07 (Duplicate)						Prepared & Analyzed: 04/27/2021			
% Solids		91.6	0.100	%		90.7			0.954	20	



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
21D1065-01	SB01_0-2	40mL Vial with Stir Bar-Cool 4° C
21D1065-03	SB02_0-2	40mL Vial with Stir Bar-Cool 4° C
21D1065-06	SB03_14-16	40mL Vial with Stir Bar-Cool 4° C
21D1065-07	SB04_2-4	40mL Vial with Stir Bar-Cool 4° C
21D1065-09	SB05_10-12	40mL Vial with Stir Bar-Cool 4° C
21D1065-11	SB06_1-3	40mL Vial with Stir Bar-Cool 4° C
21D1065-13	SODUP01_042221	40mL Vial with Stir Bar-Cool 4° C

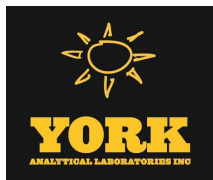


Sample and Data Qualifiers Relating to This Work Order

S-Alk	The surrogate recoveries for the acid surrogates in the sample recovered below control limits due to a highly alkaline matrix present in the sample. This is common when concrete or mixtures containing concrete or limestone are encountered.
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.
QM-02	The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.
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-CRL	The RL check for this element recovered 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).
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate.
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).
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.

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Stratford, CT 06615 Queens, NY 11418

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Field Chain-of-Custody Record

YORK Project No.

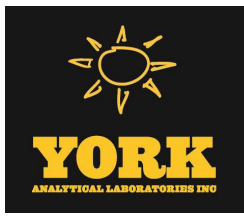
21D1065

Page 1 of 2

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

YOUR Information		Report To:		Invoice To:		YOUR Project Number		Turn-Around Time					
Company: Langan		Company:		Company:		170655401		RUSH - Next Day					
Address: 360 W 31st Street, 8th Fl. New York, NY 10001		Address:		Address:				RUSH - Two Day					
Phone: 212-479-5400		Phone:		Phone:		Vital Brooklyn Site (EFGH)		RUSH - Three Day					
Contact: Paul McMahon		Contact:		Contact:				RUSH - Four Day					
E-mail: pmcmahon@langan.com		E-mail:		E-mail:		YOUR PO#:		Standard (5-7 Day) ☒					
Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved. Tyler Zorn Samples Collected by: (print your name above and sign below) 			Matrix Codes		Samples From		Report / EDD Type (circle selections)			YORK Reg. Comp.			
			S - soil / solid		New York		Summary Report			CT RCP		Standard Excel EDD	
			GW - groundwater		New Jersey		QA Report			CT RCP DQA/DUE		EQUIS (Standard)	
			DW - drinking water		Connecticut		NY ASP A Package			NJDEP Reduced Deliverables		NYSDEC EQUIS	
			WW - wastewater		Pennsylvania		NY ASP B Package			NJDEP SRP HazSite			
O - Oil : Other		Other					NJDKQP		Other:				
Sample Identification			Sample Matrix		Date/Time Sampled		Analysis Requested			Container Description			
SB01-0-2			S		4/22/21 10:00		Part 375/TCL VOCs, SVOCs, PCBs, TAL Metals, Pesticides/Herbicides			HOLD			
SB01-10-12					4/22/21 10:05		Part 375/TCL VOCs, SVOCs, PCBs, TAL Metals			HOLD			
SB02-0-2					4/22/21 13:15		Part 375/TCL VOCs, SVOCs, PCBs, TAL Metals, Pesticides/Herbicides			HOLD			
SB02-12-14					4/22/21 13:20		Part 375/TCL VOCs, SVOCs, PCBs, TAL Metals			HOLD			
SB03-2-4					4/22/21 12:20					HOLD			
SB03-14-16					4/22/21 12:25								
SB04-2-4					4/22/21 15:25								
SB04-11-13					4/22/21 15:30					HOLD			
SB05-10-12					4/22/21 11:20								
SB05-21-23					4/22/21 11:20					HOLD			
Comments: please also email to dcasey@langan.com and data.management@langan.com						Preservation: (check all that apply)				Special Instruction			
						HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___ ZnAc ___ Ascorbic Acid ___ Other: _____				Field Filtered ___ Lab to Filter ___			
Samples Relinquished by / Company		Date/Time		Samples Received by / Company		Date/Time		Samples Relinquished by / Company		Date/Time			
Tyler Zorn Langan		4/22/21		EFGH		4/22/21 16:55		EFGH		4/22/21 1945			
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		Temp. Received at Lab			
								H. Brooks 4/22/21 1945		3.6 Degrees C			

York Analytical Laboratories, Inc.
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Technical Report

prepared for:

Langan Engineering & Environmental Services (NYC)

21 Penn Plaza, 360 West 31st Street

New York NY, 10001

Attention: Paul McMahon

Report Date: 04/28/2021

Client Project ID: 170655401

York Project (SDG) No.: 21D1067



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: 04/28/2021
Client Project ID: 170655401
York Project (SDG) No.: 21D1067

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Paul McMahon

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 April 23, 2021 and listed below. The project was identified as your project: **170655401**.

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>
21D1067-01	SG01_042221	Soil Vapor	04/22/2021	04/23/2021
21D1067-02	SSSG01_042221	Soil Vapor	04/22/2021	04/23/2021

General Notes for York Project (SDG) No.: 21D1067

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.

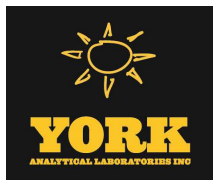
Approved By:



Benjamin Gulizia
Laboratory Director

Date: 04/28/2021





Sample Information

Client Sample ID: SG01_042221

York Sample ID: 21D1067-01

York Project (SDG) No.

21D1067

Client Project ID

170655401

Matrix

Soil Vapor

Collection Date/Time

April 22, 2021 12:10 pm

Date Received

04/23/2021

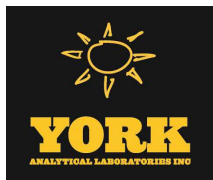
Volatile Organics, EPA TO15 Full List

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	5.1	7.435	EPA TO-15 Certifications:	04/27/2021 13:12	04/28/2021 10:13	LJ
71-55-6	1,1,1-Trichloroethane	ND	IS-HI	ug/m ³	4.1	7.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 10:13	LJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	5.1	7.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 10:13	LJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	IS-HI	ug/m ³	5.7	7.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 10:13	LJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	4.1	7.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 10:13	LJ
75-34-3	1,1-Dichloroethane	ND	IS-HI	ug/m ³	3.0	7.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 10:13	LJ
75-35-4	1,1-Dichloroethylene	0.88	IS-HI	ug/m ³	0.74	7.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 10:13	LJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	5.5	7.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 10:13	LJ
95-63-6	1,2,4-Trimethylbenzene	6.6		ug/m ³	3.7	7.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 10:13	LJ
106-93-4	1,2-Dibromoethane	ND		ug/m ³	5.7	7.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 10:13	LJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	4.5	7.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 10:13	LJ
107-06-2	1,2-Dichloroethane	ND	IS-HI	ug/m ³	3.0	7.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 10:13	LJ
78-87-5	1,2-Dichloropropane	ND		ug/m ³	3.4	7.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 10:13	LJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND	IS-HI	ug/m ³	5.2	7.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 10:13	LJ
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	3.7	7.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 10:13	LJ
106-99-0	1,3-Butadiene	36	IS-HI	ug/m ³	4.9	7.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 10:13	LJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	4.5	7.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 10:13	LJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	3.4	7.435	EPA TO-15 Certifications:	04/27/2021 13:12	04/28/2021 10:13	LJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	4.5	7.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 10:13	LJ
123-91-1	1,4-Dioxane	ND		ug/m ³	5.4	7.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 10:13	LJ
78-93-3	2-Butanone	5.9	IS-HI	ug/m ³	2.2	7.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 10:13	LJ



Sample Information

Client Sample ID: SG01_042221

York Sample ID: 21D1067-01

York Project (SDG) No.
21D1067

Client Project ID
170655401

Matrix
Soil Vapor

Collection Date/Time
April 22, 2021 12:10 pm

Date Received
04/23/2021

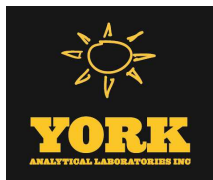
Volatile Organics, EPA TO15 Full List

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
591-78-6	* 2-Hexanone	ND		ug/m ³	6.1	7.435	EPA TO-15 Certifications:	04/27/2021 13:12	04/28/2021 10:13	LJ
107-05-1	3-Chloropropene	ND	IS-HI	ug/m ³	12	7.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 10:13	LJ
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	3.0	7.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 10:13	LJ
67-64-1	Acetone	21	IS-HI	ug/m ³	3.5	7.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 10:13	LJ
107-13-1	Acrylonitrile	ND	IS-HI	ug/m ³	1.6	7.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 10:13	LJ
71-43-2	Benzene	11	IS-HI	ug/m ³	2.4	7.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 10:13	LJ
100-44-7	Benzyl chloride	ND		ug/m ³	3.8	7.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 10:13	LJ
75-27-4	Bromodichloromethane	ND		ug/m ³	5.0	7.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 10:13	LJ
75-25-2	Bromoform	ND		ug/m ³	7.7	7.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 10:13	LJ
74-83-9	Bromomethane	ND	IS-HI	ug/m ³	2.9	7.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 10:13	LJ
75-15-0	Carbon disulfide	3.9	IS-HI	ug/m ³	2.3	7.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 10:13	LJ
56-23-5	Carbon tetrachloride	ND	IS-HI	ug/m ³	1.2	7.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 10:13	LJ
108-90-7	Chlorobenzene	ND		ug/m ³	3.4	7.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 10:13	LJ
75-00-3	Chloroethane	ND	IS-HI	ug/m ³	2.0	7.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 10:13	LJ
67-66-3	Chloroform	ND	IS-HI	ug/m ³	3.6	7.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 10:13	LJ
74-87-3	Chloromethane	ND	IS-HI	ug/m ³	1.5	7.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 10:13	LJ
156-59-2	cis-1,2-Dichloroethylene	ND	IS-HI	ug/m ³	0.74	7.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 10:13	LJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	3.4	7.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 10:13	LJ
110-82-7	Cyclohexane	6.1	IS-HI	ug/m ³	2.6	7.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 10:13	LJ
124-48-1	Dibromochloromethane	ND		ug/m ³	6.3	7.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 10:13	LJ
75-71-8	Dichlorodifluoromethane	ND	IS-HI	ug/m ³	3.7	7.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 10:13	LJ
141-78-6	* Ethyl acetate	ND	IS-HI	ug/m ³	5.4	7.435	EPA TO-15 Certifications:	04/27/2021 13:12	04/28/2021 10:13	LJ



Sample Information

Client Sample ID: SG01_042221

York Sample ID: 21D1067-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1067

170655401

Soil Vapor

April 22, 2021 12:10 pm

04/23/2021

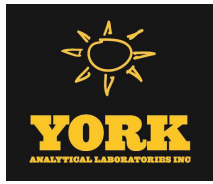
Volatile Organics, EPA TO15 Full List

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
100-41-4	Ethyl Benzene	11		ug/m ³	3.2	7.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 10:13	LJ
87-68-3	Hexachlorobutadiene	ND		ug/m ³	7.9	7.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 10:13	LJ
67-63-0	Isopropanol	ND	IS-HI	ug/m ³	3.7	7.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 10:13	LJ
80-62-6	Methyl Methacrylate	ND		ug/m ³	3.0	7.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 10:13	LJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	IS-HI	ug/m ³	2.7	7.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 10:13	LJ
75-09-2	Methylene chloride	22	IS-HI	ug/m ³	5.2	7.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 10:13	LJ
142-82-5	n-Heptane	16	IS-HI	ug/m ³	3.0	7.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 10:13	LJ
110-54-3	n-Hexane	31	IS-HI	ug/m ³	2.6	7.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 10:13	LJ
95-47-6	o-Xylene	10		ug/m ³	3.2	7.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 10:13	LJ
179601-23-1	p- & m- Xylenes	32		ug/m ³	6.5	7.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 10:13	LJ
622-96-8	* p-Ethyltoluene	11		ug/m ³	3.7	7.435	EPA TO-15 Certifications:	04/27/2021 13:12	04/28/2021 10:13	LJ
115-07-1	* Propylene	610	IS-HI	ug/m ³	1.3	7.435	EPA TO-15 Certifications:	04/27/2021 13:12	04/28/2021 10:13	LJ
100-42-5	Styrene	3.2		ug/m ³	3.2	7.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 10:13	LJ
127-18-4	Tetrachloroethylene	42		ug/m ³	5.0	7.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 10:13	LJ
109-99-9	* Tetrahydrofuran	ND	IS-HI	ug/m ³	4.4	7.435	EPA TO-15 Certifications:	04/27/2021 13:12	04/28/2021 10:13	LJ
108-88-3	Toluene	35		ug/m ³	2.8	7.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 10:13	LJ
156-60-5	trans-1,2-Dichloroethylene	ND	IS-HI	ug/m ³	2.9	7.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 10:13	LJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	3.4	7.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 10:13	LJ
79-01-6	Trichloroethylene	ND		ug/m ³	1.0	7.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 10:13	LJ
75-69-4	Trichlorofluoromethane (Freon 11)	ND	IS-HI	ug/m ³	4.2	7.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 10:13	LJ
108-05-4	Vinyl acetate	ND	IS-HI	ug/m ³	2.6	7.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 10:13	LJ
593-60-2	Vinyl bromide	ND	IS-HI	ug/m ³	3.3	7.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 10:13	LJ



Sample Information

Client Sample ID: SG01_042221

York Sample ID: 21D1067-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1067

170655401

Soil Vapor

April 22, 2021 12:10 pm

04/23/2021

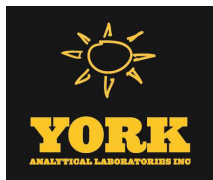
Volatile Organics, EPA TO15 Full List

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
75-01-4	Vinyl Chloride	ND	IS-HI	ug/m ³	0.95	7.435	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 10:13	LJ



Sample Information

Client Sample ID: SSSG01_042221

York Sample ID: 21D1067-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1067

170655401

Soil Vapor

April 22, 2021 12:56 pm

04/23/2021

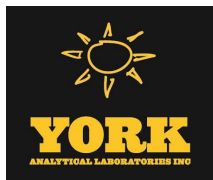
Volatile Organics, EPA TO15 Full List

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	1.1	1.661	EPA TO-15 Certifications:	04/27/2021 13:12	04/28/2021 09:12	LJ
71-55-6	1,1,1-Trichloroethane	1.5		ug/m ³	0.91	1.661	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 09:12	LJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	1.1	1.661	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 09:12	LJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	1.3	1.661	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 09:12	LJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.91	1.661	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 09:12	LJ
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.67	1.661	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 09:12	LJ
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.16	1.661	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 09:12	LJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	1.2	1.661	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 09:12	LJ
95-63-6	1,2,4-Trimethylbenzene	15		ug/m ³	0.82	1.661	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 09:12	LJ
106-93-4	1,2-Dibromoethane	ND		ug/m ³	1.3	1.661	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 09:12	LJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	1.0	1.661	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 09:12	LJ
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.67	1.661	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 09:12	LJ
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.77	1.661	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 09:12	LJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	1.2	1.661	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 09:12	LJ
108-67-8	1,3,5-Trimethylbenzene	3.3		ug/m ³	0.82	1.661	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 09:12	LJ
106-99-0	1,3-Butadiene	ND		ug/m ³	1.1	1.661	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 09:12	LJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	1.0	1.661	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 09:12	LJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.77	1.661	EPA TO-15 Certifications:	04/27/2021 13:12	04/28/2021 09:12	LJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	1.0	1.661	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 09:12	LJ
123-91-1	1,4-Dioxane	ND		ug/m ³	1.2	1.661	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 09:12	LJ
78-93-3	2-Butanone	1.3		ug/m ³	0.49	1.661	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 09:12	LJ
591-78-6	* 2-Hexanone	ND		ug/m ³	1.4	1.661	EPA TO-15 Certifications:	04/27/2021 13:12	04/28/2021 09:12	LJ



Sample Information

Client Sample ID: SSSG01_042221

York Sample ID: 21D1067-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1067

170655401

Soil Vapor

April 22, 2021 12:56 pm

04/23/2021

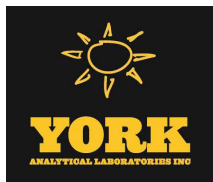
Volatile Organics, EPA TO15 Full List

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	2.6	1.661	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 09:12	LJ
108-10-1	4-Methyl-2-pentanone	0.95		ug/m ³	0.68	1.661	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 09:12	LJ
67-64-1	Acetone	6.6		ug/m ³	0.79	1.661	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 09:12	LJ
107-13-1	Acrylonitrile	ND		ug/m ³	0.36	1.661	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 09:12	LJ
71-43-2	Benzene	0.58		ug/m ³	0.53	1.661	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 09:12	LJ
100-44-7	Benzyl chloride	ND		ug/m ³	0.86	1.661	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 09:12	LJ
75-27-4	Bromodichloromethane	ND		ug/m ³	1.1	1.661	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 09:12	LJ
75-25-2	Bromoform	ND		ug/m ³	1.7	1.661	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 09:12	LJ
74-83-9	Bromomethane	ND		ug/m ³	0.64	1.661	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 09:12	LJ
75-15-0	Carbon disulfide	ND		ug/m ³	0.52	1.661	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 09:12	LJ
56-23-5	Carbon tetrachloride	0.42		ug/m ³	0.26	1.661	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 09:12	LJ
108-90-7	Chlorobenzene	ND		ug/m ³	0.76	1.661	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 09:12	LJ
75-00-3	Chloroethane	ND		ug/m ³	0.44	1.661	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 09:12	LJ
67-66-3	Chloroform	11		ug/m ³	0.81	1.661	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 09:12	LJ
74-87-3	Chloromethane	0.51		ug/m ³	0.34	1.661	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 09:12	LJ
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.16	1.661	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 09:12	LJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.75	1.661	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 09:12	LJ
110-82-7	Cyclohexane	13		ug/m ³	0.57	1.661	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 09:12	LJ
124-48-1	Dibromochloromethane	ND		ug/m ³	1.4	1.661	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 09:12	LJ
75-71-8	Dichlorodifluoromethane	2.2		ug/m ³	0.82	1.661	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 09:12	LJ
141-78-6	* Ethyl acetate	ND		ug/m ³	1.2	1.661	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 09:12	LJ
100-41-4	Ethyl Benzene	12		ug/m ³	0.72	1.661	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 09:12	LJ



Sample Information

Client Sample ID: SSSG01_042221

York Sample ID: 21D1067-02

York Project (SDG) No.

21D1067

Client Project ID

170655401

Matrix

Soil Vapor

Collection Date/Time

April 22, 2021 12:56 pm

Date Received

04/23/2021

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	1.8	1.661	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 09:12	LJ
67-63-0	Isopropanol	7.4		ug/m ³	0.82	1.661	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 09:12	LJ
80-62-6	Methyl Methacrylate	1.6		ug/m ³	0.68	1.661	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 09:12	LJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.60	1.661	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 09:12	LJ
75-09-2	Methylene chloride	5.9		ug/m ³	1.2	1.661	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 09:12	LJ
142-82-5	n-Heptane	1.2		ug/m ³	0.68	1.661	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 09:12	LJ
110-54-3	n-Hexane	0.82		ug/m ³	0.59	1.661	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 09:12	LJ
95-47-6	o-Xylene	13		ug/m ³	0.72	1.661	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 09:12	LJ
179601-23-1	p- & m- Xylenes	43		ug/m ³	1.4	1.661	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 09:12	LJ
622-96-8	* p-Ethyltoluene	17		ug/m ³	0.82	1.661	EPA TO-15 Certifications:	04/27/2021 13:12	04/28/2021 09:12	LJ
115-07-1	* Propylene	3.2		ug/m ³	0.29	1.661	EPA TO-15 Certifications:	04/27/2021 13:12	04/28/2021 09:12	LJ
100-42-5	Styrene	3.0		ug/m ³	0.71	1.661	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 09:12	LJ
127-18-4	Tetrachloroethylene	47		ug/m ³	1.1	1.661	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 09:12	LJ
109-99-9	* Tetrahydrofuran	1.2		ug/m ³	0.98	1.661	EPA TO-15 Certifications:	04/27/2021 13:12	04/28/2021 09:12	LJ
108-88-3	Toluene	14		ug/m ³	0.63	1.661	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 09:12	LJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.66	1.661	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 09:12	LJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.75	1.661	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 09:12	LJ
79-01-6	Trichloroethylene	ND		ug/m ³	0.22	1.661	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 09:12	LJ
75-69-4	Trichlorofluoromethane (Freon 11)	1.4		ug/m ³	0.93	1.661	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 09:12	LJ
108-05-4	Vinyl acetate	ND		ug/m ³	0.58	1.661	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 09:12	LJ
593-60-2	Vinyl bromide	ND		ug/m ³	0.73	1.661	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 09:12	LJ
75-01-4	Vinyl Chloride	ND		ug/m ³	0.21	1.661	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/27/2021 13:12	04/28/2021 09:12	LJ



Sample Information

Client Sample ID: SSSG01_042221

York Sample ID: 21D1067-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1067

170655401

Soil Vapor

April 22, 2021 12:56 pm

04/23/2021



Analytical Batch Summary

Batch ID: BD11467

Preparation Method: EPA TO15 PREP

Prepared By: LJ

YORK Sample ID	Client Sample ID	Preparation Date
21D1067-01	SG01_042221	04/27/21
21D1067-02	SSSG01_042221	04/27/21
BD11467-BLK1	Blank	04/27/21
BD11467-BS1	LCS	04/27/21
BD11467-DUP1	Duplicate	04/27/21



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
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Batch BD11467 - EPA TO15 PREP

Blank (BD11467-BLK1)	Blank								Prepared & Analyzed: 04/27/2021		
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	ND	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

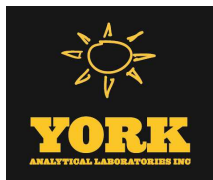
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BD11467 - EPA TO15 PREP

Blank (BD11467-BLK1)	Blank										Prepared & Analyzed: 04/27/2021
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 (BD11467-BS1)	LCS										Prepared & Analyzed: 04/27/2021
1,1,1,2-Tetrachloroethane	10.5		ppbv	10.0		105	70-130				
1,1,1-Trichloroethane	10.3		"	10.0		103	70-130				
1,1,2,2-Tetrachloroethane	10.5		"	10.0		105	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.3		"	10.0		103	70-130				
1,1,2-Trichloroethane	11.1		"	10.0		111	70-130				
1,1-Dichloroethane	9.94		"	10.0		99.4	70-130				
1,1-Dichloroethylene	10.1		"	10.0		101	70-130				
1,2,4-Trichlorobenzene	12.3		"	10.0		123	70-130				
1,2,4-Trimethylbenzene	11.9		"	10.0		119	70-130				
1,2-Dibromoethane	11.6		"	10.0		116	70-130				
1,2-Dichlorobenzene	10.7		"	10.0		107	70-130				
1,2-Dichloroethane	10.2		"	10.0		102	70-130				
1,2-Dichloropropane	11.6		"	10.0		116	70-130				
1,2-Dichlorotetrafluoroethane	10.7		"	10.0		107	70-130				
1,3,5-Trimethylbenzene	11.5		"	10.0		115	70-130				
1,3-Butadiene	9.69		"	10.0		96.9	70-130				
1,3-Dichlorobenzene	11.0		"	10.0		110	70-130				
1,3-Dichloropropane	11.4		"	10.0		114	70-130				
1,4-Dichlorobenzene	11.4		"	10.0		114	70-130				
1,4-Dioxane	12.6		"	10.0		126	70-130				
2-Butanone	10.8		"	10.0		108	70-130				
2-Hexanone	12.7		"	10.0		127	70-130				
3-Chloropropene	11.5		"	10.0		115	70-130				
4-Methyl-2-pentanone	12.0		"	10.0		120	70-130				
Acetone	8.65		"	10.0		86.5	70-130				
Acrylonitrile	10.8		"	10.0		108	70-130				
Benzene	10.2		"	10.0		102	70-130				
Benzyl chloride	10.4		"	10.0		104	70-130				
Bromodichloromethane	10.8		"	10.0		108	70-130				
Bromoform	11.1		"	10.0		111	70-130				
Bromomethane	11.5		"	10.0		115	70-130				
Carbon disulfide	9.90		"	10.0		99.0	70-130				
Carbon tetrachloride	9.59		"	10.0		95.9	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
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Batch BD11467 - EPA TO15 PREP

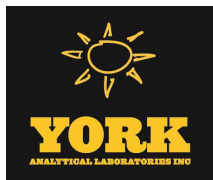
LCS (BD11467-BS1)	LCS	Prepared & Analyzed: 04/27/2021									
Chlorobenzene	10.3		ppbv	10.0		103	70-130				
Chloroethane	10.4		"	10.0		104	70-130				
Chloroform	10.3		"	10.0		103	70-130				
Chloromethane	9.42		"	10.0		94.2	70-130				
cis-1,2-Dichloroethylene	9.95		"	10.0		99.5	70-130				
cis-1,3-Dichloropropylene	12.5		"	10.0		125	70-130				
Cyclohexane	11.7		"	10.0		117	70-130				
Dibromochloromethane	11.2		"	10.0		112	70-130				
Dichlorodifluoromethane	10.6		"	10.0		106	70-130				
Ethyl acetate	11.2		"	10.0		112	70-130				
Ethyl Benzene	11.0		"	10.0		110	70-130				
Hexachlorobutadiene	9.29		"	10.0		92.9	70-130				
Isopropanol	9.36		"	10.0		93.6	70-130				
Methyl Methacrylate	12.4		"	10.0		124	70-130				
Methyl tert-butyl ether (MTBE)	11.1		"	10.0		111	70-130				
Methylene chloride	9.49		"	10.0		94.9	70-130				
n-Heptane	11.7		"	10.0		117	70-130				
n-Hexane	9.35		"	10.0		93.5	70-130				
o-Xylene	12.0		"	10.0		120	70-130				
p- & m- Xylenes	21.9		"	20.0		110	70-130				
p-Ethyltoluene	12.0		"	10.0		120	70-130				
Propylene	11.2		"	10.0		112	70-130				
Styrene	12.4		"	10.0		124	70-130				
Tetrachloroethylene	10.4		"	10.0		104	70-130				
Tetrahydrofuran	10.7		"	10.0		107	70-130				
Toluene	9.91		"	10.0		99.1	70-130				
trans-1,2-Dichloroethylene	10.5		"	10.0		105	70-130				
trans-1,3-Dichloropropylene	12.4		"	10.0		124	70-130				
Trichloroethylene	10.3		"	10.0		103	70-130				
Trichlorofluoromethane (Freon 11)	10.0		"	10.0		100	70-130				
Vinyl acetate	11.5		"	10.0		115	70-130				
Vinyl bromide	11.0		"	10.0		110	70-130				
Vinyl Chloride	8.83		"	10.0		88.3	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 BD11467 - EPA TO15 PREP											
Duplicate (BD11467-DUP1)	Duplicate	*Source sample: 21D1067-01 (SG01_042221)						Prepared: 04/27/2021 Analyzed: 04/28/2021			
1,1,1,2-Tetrachloroethane	ND	5.1	ug/m ³		ND					25	
1,1,1-Trichloroethane	ND	4.1	"		ND					25	
1,1,2,2-Tetrachloroethane	ND	5.1	"		ND					25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.7	"		ND					25	
1,1,2-Trichloroethane	ND	4.1	"		ND					25	
1,1-Dichloroethane	ND	3.0	"		ND					25	
1,1-Dichloroethylene	ND	0.74	"		0.88					25	
1,2,4-Trichlorobenzene	ND	5.5	"		ND					25	
1,2,4-Trimethylbenzene	6.9	3.7	"		6.6				5.41	25	
1,2-Dibromoethane	ND	5.7	"		ND					25	
1,2-Dichlorobenzene	ND	4.5	"		ND					25	
1,2-Dichloroethane	ND	3.0	"		ND					25	
1,2-Dichloropropane	ND	3.4	"		ND					25	
1,2-Dichlorotetrafluoroethane	ND	5.2	"		ND					25	
1,3,5-Trimethylbenzene	2.2	3.7	"		ND					25	
1,3-Butadiene	37	4.9	"		36				2.68	25	
1,3-Dichlorobenzene	ND	4.5	"		ND					25	
1,3-Dichloropropane	ND	3.4	"		ND					25	
1,4-Dichlorobenzene	ND	4.5	"		ND					25	
1,4-Dioxane	ND	5.4	"		ND					25	
2-Butanone	5.9	2.2	"		5.9				0.00	25	
2-Hexanone	ND	6.1	"		ND					25	
3-Chloropropene	ND	12	"		ND					25	
4-Methyl-2-pentanone	ND	3.0	"		ND					25	
Acetone	22	3.5	"		21				4.05	25	
Acrylonitrile	ND	1.6	"		ND					25	
Benzene	11	2.4	"		11				0.00	25	
Benzyl chloride	ND	3.8	"		ND					25	
Bromodichloromethane	ND	5.0	"		ND					25	
Bromoform	ND	7.7	"		ND					25	
Bromomethane	ND	2.9	"		ND					25	
Carbon disulfide	4.2	2.3	"		3.9				5.71	25	
Carbon tetrachloride	ND	1.2	"		ND					25	
Chlorobenzene	ND	3.4	"		ND					25	
Chloroethane	ND	2.0	"		ND					25	
Chloroform	ND	3.6	"		ND					25	
Chloromethane	ND	1.5	"		ND					25	
cis-1,2-Dichloroethylene	ND	0.74	"		ND					25	
cis-1,3-Dichloropropylene	ND	3.4	"		ND					25	
Cyclohexane	6.7	2.6	"		6.1				8.00	25	
Dibromochloromethane	ND	6.3	"		ND					25	
Dichlorodifluoromethane	ND	3.7	"		ND					25	
Ethyl acetate	ND	5.4	"		ND					25	
Ethyl Benzene	11	3.2	"		11				2.99	25	
Hexachlorobutadiene	ND	7.9	"		ND					25	
Isopropanol	1.8	3.7	"		ND					25	
Methyl Methacrylate	1.5	3.0	"		2.1				33.3	25	Non-dir.
Methyl tert-butyl ether (MTBE)	ND	2.7	"		ND					25	
Methylene chloride	22	5.2	"		22				1.18	25	
n-Heptane	16	3.0	"		16				1.87	25	
n-Hexane	33	2.6	"		31				6.56	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
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Batch BD11467 - EPA TO15 PREP

Duplicate (BD11467-DUP1)	Duplicate	*Source sample: 21D1067-01 (SG01_042221)				Prepared: 04/27/2021 Analyzed: 04/28/2021					
o-Xylene	10	3.2	ug/m ³	10	0.00	25					
p- & m- Xylenes	32	6.5	"	32	1.01	25					
p-Ethyltoluene	11	3.7	"	11	0.00	25					
Propylene	600	1.3	"	610	0.888	25					
Styrene	3.5	3.2	"	3.2	9.52	25					
Tetrachloroethylene	43	5.0	"	42	2.38	25					
Tetrahydrofuran	1.3	4.4	"	2.2	50.0	25					Non-dir.
Toluene	34	2.8	"	35	0.810	25					
trans-1,2-Dichloroethylene	ND	2.9	"	ND		25					
trans-1,3-Dichloropropylene	ND	3.4	"	ND		25					
Trichloroethylene	ND	1.0	"	ND		25					
Trichlorofluoromethane (Freon 11)	ND	4.2	"	ND		25					
Vinyl acetate	ND	2.6	"	ND		25					
Vinyl bromide	ND	3.3	"	ND		25					
Vinyl Chloride	ND	0.95	"	ND		25					





Sample and Data Qualifiers Relating to This Work Order

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-HI	The internal std associated with this target compound did not meet acceptance criteria (area >200% CCV) at the stated dilution due to matrix effects. Sample was rerun to confirm matrix effects.

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.

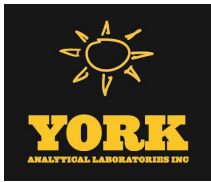
If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For 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 - AIR

YORK Project No.

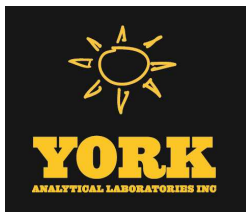
21D1067

Your

Page 1 of 1

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.

[illegible]



Technical Report

prepared for:

Langan Engineering & Environmental Services (NYC)

21 Penn Plaza, 360 West 31st Street

New York NY, 10001

Attention: Paul McMahon

Report Date: 04/30/2021

Client Project ID: 170655401

York Project (SDG) No.: 21D1068



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: 04/30/2021
Client Project ID: 170655401
York Project (SDG) No.: 21D1068

Langan Engineering & Environmental Services (NYC)

21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Paul McMahon

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 April 22, 2021 and listed below. The project was identified as your project: **170655401**.

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>
21D1068-01	TMW05_042221	Water	04/22/2021	04/22/2021
21D1068-02	TMW04_042221	Water	04/22/2021	04/22/2021
21D1068-03	GWDUP01_042221	Water	04/22/2021	04/22/2021
21D1068-04	TB01_042221	Water	04/22/2021	04/22/2021

General Notes for York Project (SDG) No.: 21D1068

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:



Benjamin Gulizia
Laboratory Director

Date: 04/30/2021





Sample Information

Client Sample ID: TMW05_042221

York Sample ID: 21D1068-01

York Project (SDG) No.

21D1068

Client Project ID

170655401

Matrix

Water

Collection Date/Time

April 22, 2021 1:03 pm

Date Received

04/22/2021

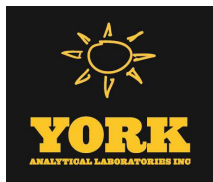
Volatiles, 8260 Comprehensive

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	04/23/2021 06:47	04/23/2021 14:41	MD
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	04/23/2021 06:47	04/23/2021 14:41	MD
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	04/23/2021 06:47	04/23/2021 14:41	MD
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	04/23/2021 06:47	04/23/2021 14:41	MD
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	04/23/2021 06:47	04/23/2021 14:41	MD
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:41	MD
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:41	MD
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:41	MD
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:41	MD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:41	MD
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:41	MD
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	04/23/2021 06:47	04/23/2021 14:41	MD
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:41	MD
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:41	MD
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:41	MD
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:41	MD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:41	MD
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:41	MD
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:41	MD
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:41	MD
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:41	MD



Sample Information

Client Sample ID: TMW05_042221

York Sample ID: 21D1068-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1068

170655401

Water

April 22, 2021 1:03 pm

04/22/2021

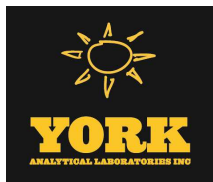
Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:41	MD
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	04/23/2021 06:47	04/23/2021 14:41	MD
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:41	MD
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:41	MD
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:41	MD
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:41	MD
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:41	MD
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:41	MD
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:41	MD
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:41	MD
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:41	MD
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:41	MD
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:41	MD
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:41	MD
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:41	MD
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:41	MD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:41	MD
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	04/23/2021 06:47	04/23/2021 14:41	MD
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:41	MD
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:41	MD
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:41	MD
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:41	MD



Sample Information

Client Sample ID: TMW05_042221

York Sample ID: 21D1068-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1068

170655401

Water

April 22, 2021 1:03 pm

04/22/2021

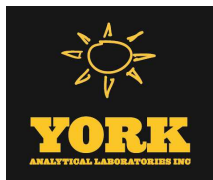
Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:41	MD
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:41	MD
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:41	MD
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:41	MD
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	04/23/2021 06:47	04/23/2021 14:41	MD
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:41	MD
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:41	MD
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:41	MD
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:41	MD
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:41	MD
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:41	MD
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:41	MD
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:41	MD
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:41	MD
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:41	MD
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:41	MD
127-18-4	Tetrachloroethylene	0.210		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:41	MD
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:41	MD
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	04/23/2021 06:47	04/23/2021 14:41	MD
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	04/23/2021 06:47	04/23/2021 14:41	MD
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:41	MD
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:41	MD



Sample Information

Client Sample ID: TMW05_042221

York Sample ID: 21D1068-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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21D1068

170655401

Water

April 22, 2021 1:03 pm

04/22/2021

Volatiles, 8260 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
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:41	MD
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/23/2021 06:47	04/23/2021 14:41	MD
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	97.9 %			69-130						
2037-26-5	Surrogate: SURR: Toluene-d8	99.4 %			81-117						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	91.5 %			79-122						

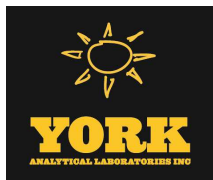
Semi-Volatiles, 8270 Comprehensive

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	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 14:25	CD
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 14:25	CD
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 14:25	CD
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 14:25	CD
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 14:25	CD
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 14:25	CD
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 14:25	CD
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 14:25	CD
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 14:25	CD
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 14:25	CD
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 14:25	CD
91-58-7	2-Chloronaphthalene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 14:25	CD
95-57-8	2-Chlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 14:25	CD
91-57-6	2-Methylnaphthalene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 14:25	CD



Sample Information

Client Sample ID: TMW05_042221

York Sample ID: 21D1068-01

York Project (SDG) No.

Client Project ID

Matrix

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21D1068

170655401

Water

April 22, 2021 1:03 pm

04/22/2021

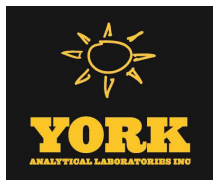
Semi-Volatiles, 8270 Comprehensive

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
95-48-7	2-Methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 14:25	CD
88-74-4	2-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 14:25	CD
88-75-5	2-Nitrophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 14:25	CD
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 14:25	CD
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 14:25	CD
99-09-2	3-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 14:25	CD
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 14:25	CD
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 14:25	CD
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 14:25	CD
106-47-8	4-Chloroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 14:25	CD
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 14:25	CD
100-01-6	4-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 14:25	CD
100-02-7	4-Nitrophenol	ND		ug/L	5.13	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 14:25	CD
98-86-2	Acetophenone	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 14:25	CD
62-53-3	Aniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 14:25	CD
100-52-7	Benzaldehyde	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 14:25	CD
92-87-5	Benzidine	ND		ug/L	5.13	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 14:25	CD
65-85-0	Benzoic acid	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 14:25	CD
100-51-6	Benzyl alcohol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 14:25	CD
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 14:25	CD
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 14:25	CD
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.03	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 14:25	CD



Sample Information

Client Sample ID: TMW05_042221

York Sample ID: 21D1068-01

York Project (SDG) No.
21D1068

Client Project ID
170655401

Matrix
Water

Collection Date/Time
April 22, 2021 1:03 pm

Date Received
04/22/2021

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
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 14:25	CD
105-60-2	Caprolactam	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 14:25	CD
86-74-8	Carbazole	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 14:25	CD
132-64-9	Dibenzofuran	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 14:25	CD
84-66-2	Diethyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 14:25	CD
131-11-3	Dimethyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 14:25	CD
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 14:25	CD
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 14:25	CD
122-39-4	Diphenylamine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/27/2021 07:58	04/28/2021 14:25	CD
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.13	10.3	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 14:25	CD
78-59-1	Isophorone	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 14:25	CD
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 14:25	CD
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 14:25	CD
108-95-2	Phenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 14:25	CD
110-86-1	Pyridine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 14:25	CD
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: SURR: 2-Fluorophenol	23.4 %			19.7-63.1						
4165-62-2	Surrogate: SURR: Phenol-d5	15.4 %			10.1-41.7						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	46.6 %	S-08		50.2-113						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	54.2 %			39.9-105						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	54.5 %			39.3-151						
1718-51-0	Surrogate: SURR: Terphenyl-d14	66.8 %			30.7-106						

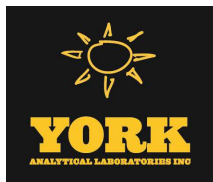
Semi-Volatiles, 8270 Comprehensive

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
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Sample Information

Client Sample ID: TMW05_042221

York Sample ID: 21D1068-01

York Project (SDG) No.

Client Project ID

Matrix

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21D1068

170655401

Water

April 22, 2021 1:03 pm

04/22/2021

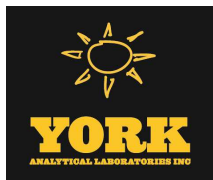
Semi-Volatiles, 8270 Comprehensive

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	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 15:34	CD
208-96-8	Acenaphthylene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 15:34	CD
120-12-7	Anthracene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 15:34	CD
1912-24-9	Atrazine	ND		ug/L	0.513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/28/2021 15:34	CD
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 15:34	CD
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 15:34	CD
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 15:34	CD
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 15:34	CD
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 15:34	CD
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/28/2021 15:34	CD
218-01-9	Chrysene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 15:34	CD
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 15:34	CD
206-44-0	Fluoranthene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 15:34	CD
86-73-7	Fluorene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 15:34	CD
118-74-1	Hexachlorobenzene	ND		ug/L	0.0205	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/28/2021 15:34	CD
87-68-3	Hexachlorobutadiene	ND		ug/L	0.513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/28/2021 15:34	CD
67-72-1	Hexachloroethane	ND		ug/L	0.513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/28/2021 15:34	CD
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 15:34	CD
91-20-3	Naphthalene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 15:34	CD
98-95-3	Nitrobenzene	ND		ug/L	0.256	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/28/2021 15:34	CD
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/28/2021 15:34	CD
87-86-5	Pentachlorophenol	ND		ug/L	0.256	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/28/2021 15:34	CD



Sample Information

Client Sample ID: TMW05_042221

York Sample ID: 21D1068-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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21D1068

170655401

Water

April 22, 2021 1:03 pm

04/22/2021

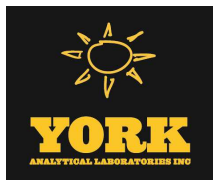
Semi-Volatiles, 8270 Comprehensive

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
85-01-8	Phenanthrene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 15:34	CD
129-00-0	Pyrene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 15:34	CD



Sample Information

Client Sample ID: TMW04_042221

York Sample ID: 21D1068-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1068

170655401

Water

April 22, 2021 4:30 pm

04/22/2021

Volatiles, 8260 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	04/23/2021 06:47	04/23/2021 15:07	MD
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	04/23/2021 06:47	04/23/2021 15:07	MD
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	04/23/2021 06:47	04/23/2021 15:07	MD
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	04/23/2021 06:47	04/23/2021 15:07	MD
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	04/23/2021 06:47	04/23/2021 15:07	MD
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:07	MD
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:07	MD
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:07	MD
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:07	MD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:07	MD
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:07	MD
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	04/23/2021 06:47	04/23/2021 15:07	MD
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:07	MD
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:07	MD
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:07	MD
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:07	MD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:07	MD
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:07	MD
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:07	MD
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:07	MD
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:07	MD



Sample Information

Client Sample ID: TMW04_042221

York Sample ID: 21D1068-02

York Project (SDG) No.

Client Project ID

Matrix

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21D1068

170655401

Water

April 22, 2021 4:30 pm

04/22/2021

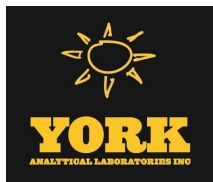
Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:07	MD
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	04/23/2021 06:47	04/23/2021 15:07	MD
67-64-1	Acetone	1.90		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:07	MD
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:07	MD
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:07	MD
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:07	MD
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:07	MD
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:07	MD
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:07	MD
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:07	MD
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:07	MD
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:07	MD
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:07	MD
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:07	MD
67-66-3	Chloroform	3.48		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:07	MD
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:07	MD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:07	MD
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	04/23/2021 06:47	04/23/2021 15:07	MD
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:07	MD
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:07	MD
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:07	MD
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:07	MD



Sample Information

Client Sample ID: TMW04_042221

York Sample ID: 21D1068-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1068

170655401

Water

April 22, 2021 4:30 pm

04/22/2021

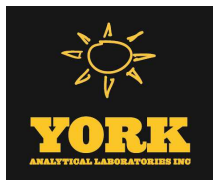
Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:07	MD
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:07	MD
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:07	MD
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:07	MD
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	04/23/2021 06:47	04/23/2021 15:07	MD
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:07	MD
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:07	MD
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:07	MD
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:07	MD
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:07	MD
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:07	MD
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:07	MD
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:07	MD
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:07	MD
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:07	MD
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:07	MD
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:07	MD
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:07	MD
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	04/23/2021 06:47	04/23/2021 15:07	MD
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	04/23/2021 06:47	04/23/2021 15:07	MD
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:07	MD
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:07	MD



Sample Information

Client Sample ID: TMW04_042221

York Sample ID: 21D1068-02

York Project (SDG) No.
21D1068

Client Project ID
170655401

Matrix
Water

Collection Date/Time
April 22, 2021 4:30 pm

Date Received
04/22/2021

Volatiles, 8260 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
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:07	MD
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/23/2021 06:47	04/23/2021 15:07	MD
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	98.1 %			69-130						
2037-26-5	Surrogate: SURR: Toluene-d8	98.2 %			81-117						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	91.1 %			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	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 15:00	CD
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 15:00	CD
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 15:00	CD
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 15:00	CD
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 15:00	CD
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 15:00	CD
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 15:00	CD
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 15:00	CD
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 15:00	CD
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 15:00	CD
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 15:00	CD
91-58-7	2-Chloronaphthalene	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 15:00	CD
95-57-8	2-Chlorophenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 15:00	CD
91-57-6	2-Methylnaphthalene	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 15:00	CD



Sample Information

Client Sample ID: TMW04_042221

York Sample ID: 21D1068-02

York Project (SDG) No.
21D1068

Client Project ID
170655401

Matrix
Water

Collection Date/Time
April 22, 2021 4:30 pm

Date Received
04/22/2021

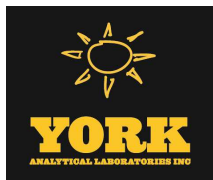
Semi-Volatiles, 8270 Comprehensive

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
95-48-7	2-Methylphenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 15:00	CD
88-74-4	2-Nitroaniline	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 15:00	CD
88-75-5	2-Nitrophenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 15:00	CD
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 15:00	CD
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 15:00	CD
99-09-2	3-Nitroaniline	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 15:00	CD
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 15:00	CD
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 15:00	CD
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 15:00	CD
106-47-8	4-Chloroaniline	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 15:00	CD
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 15:00	CD
100-01-6	4-Nitroaniline	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 15:00	CD
100-02-7	4-Nitrophenol	ND		ug/L	5.71	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 15:00	CD
98-86-2	Acetophenone	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 15:00	CD
62-53-3	Aniline	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 15:00	CD
100-52-7	Benzaldehyde	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 15:00	CD
92-87-5	Benzidine	ND		ug/L	5.71	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 15:00	CD
65-85-0	Benzoic acid	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 15:00	CD
100-51-6	Benzyl alcohol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 15:00	CD
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 15:00	CD
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 15:00	CD
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.14	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 15:00	CD



Sample Information

Client Sample ID: TMW04_042221

York Sample ID: 21D1068-02

York Project (SDG) No.
21D1068

Client Project ID
170655401

Matrix
Water

Collection Date/Time
April 22, 2021 4:30 pm

Date Received
04/22/2021

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
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 15:00	CD
105-60-2	Caprolactam	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 15:00	CD
86-74-8	Carbazole	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 15:00	CD
132-64-9	Dibenzofuran	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 15:00	CD
84-66-2	Diethyl phthalate	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 15:00	CD
131-11-3	Dimethyl phthalate	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 15:00	CD
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 15:00	CD
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 15:00	CD
122-39-4	Diphenylamine	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/27/2021 07:58	04/28/2021 15:00	CD
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.71	11.4	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 15:00	CD
78-59-1	Isophorone	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 15:00	CD
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 15:00	CD
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 15:00	CD
108-95-2	Phenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 15:00	CD
110-86-1	Pyridine	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 15:00	CD
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: SURR: 2-Fluorophenol	15.6 %	S-08		19.7-63.1						
4165-62-2	Surrogate: SURR: Phenol-d5	10.1 %			10.1-41.7						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	30.6 %	S-08		50.2-113						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	35.7 %	S-08		39.9-105						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	38.5 %	S-08		39.3-151						
1718-51-0	Surrogate: SURR: Terphenyl-d14	48.8 %			30.7-106						

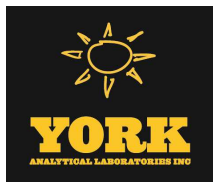
Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

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

Client Sample ID: TMW04_042221

York Sample ID: 21D1068-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1068

170655401

Water

April 22, 2021 4:30 pm

04/22/2021

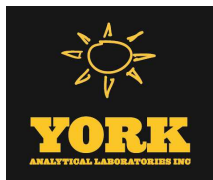
Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	0.149		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 16:06	CD
208-96-8	Acenaphthylene	ND		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 16:06	CD
120-12-7	Anthracene	0.126		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 16:06	CD
1912-24-9	Atrazine	ND		ug/L	0.571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/28/2021 16:06	CD
56-55-3	Benzo(a)anthracene	0.183		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 16:06	CD
50-32-8	Benzo(a)pyrene	0.217		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 16:06	CD
205-99-2	Benzo(b)fluoranthene	0.171		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 16:06	CD
191-24-2	Benzo(g,h,i)perylene	0.149		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 16:06	CD
207-08-9	Benzo(k)fluoranthene	0.183		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 16:06	CD
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/28/2021 16:06	CD
218-01-9	Chrysene	0.206		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 16:06	CD
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 16:06	CD
206-44-0	Fluoranthene	0.537		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 16:06	CD
86-73-7	Fluorene	0.0571		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 16:06	CD
118-74-1	Hexachlorobenzene	ND		ug/L	0.0229	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/28/2021 16:06	CD
87-68-3	Hexachlorobutadiene	ND		ug/L	0.571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/28/2021 16:06	CD
67-72-1	Hexachloroethane	ND		ug/L	0.571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/28/2021 16:06	CD
193-39-5	Indeno(1,2,3-cd)pyrene	0.126		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 16:06	CD
91-20-3	Naphthalene	0.137		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/27/2021 07:58	04/28/2021 16:06	CD
98-95-3	Nitrobenzene	ND		ug/L	0.286	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/28/2021 16:06	CD
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/28/2021 16:06	CD
87-86-5	Pentachlorophenol	ND		ug/L	0.286	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/27/2021 07:58	04/28/2021 16:06	CD



Sample Information

Client Sample ID: TMW04_042221

York Sample ID: 21D1068-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1068

170655401

Water

April 22, 2021 4:30 pm

04/22/2021

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 LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-01-8	Phenanthrene	0.549		ug/L	0.0571	1	EPA 8270D SIM	04/27/2021 07:58	04/28/2021 16:06	CD
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	Pyrene	0.423		ug/L	0.0571	1	EPA 8270D SIM	04/27/2021 07:58	04/28/2021 16:06	CD
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		



Sample Information

Client Sample ID: GWDUP01_042221

York Sample ID: 21D1068-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1068

170655401

Water

April 22, 2021 4:55 pm

04/22/2021

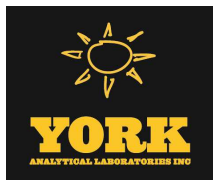
Volatiles, 8260 Comprehensive

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	04/23/2021 06:47	04/23/2021 15:33	MD
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	04/23/2021 06:47	04/23/2021 15:33	MD
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	04/23/2021 06:47	04/23/2021 15:33	MD
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	04/23/2021 06:47	04/23/2021 15:33	MD
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	04/23/2021 06:47	04/23/2021 15:33	MD
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:33	MD
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:33	MD
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:33	MD
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:33	MD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:33	MD
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:33	MD
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	04/23/2021 06:47	04/23/2021 15:33	MD
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:33	MD
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:33	MD
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:33	MD
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:33	MD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:33	MD
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:33	MD
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:33	MD
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:33	MD
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:33	MD



Sample Information

Client Sample ID: GWDUP01_042221

York Sample ID: 21D1068-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1068

170655401

Water

April 22, 2021 4:55 pm

04/22/2021

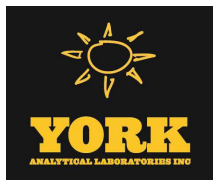
Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:33	MD
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	04/23/2021 06:47	04/23/2021 15:33	MD
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:33	MD
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:33	MD
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:33	MD
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:33	MD
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:33	MD
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:33	MD
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:33	MD
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:33	MD
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:33	MD
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:33	MD
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:33	MD
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:33	MD
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:33	MD
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:33	MD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:33	MD
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	04/23/2021 06:47	04/23/2021 15:33	MD
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:33	MD
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:33	MD
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:33	MD
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:33	MD



Sample Information

Client Sample ID: GWDUP01_042221

York Sample ID: 21D1068-03

York Project (SDG) No.

Client Project ID

Matrix

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21D1068

170655401

Water

April 22, 2021 4:55 pm

04/22/2021

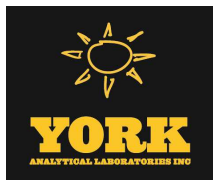
Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:33	MD
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:33	MD
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:33	MD
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:33	MD
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	04/23/2021 06:47	04/23/2021 15:33	MD
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:33	MD
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:33	MD
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:33	MD
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:33	MD
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:33	MD
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:33	MD
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:33	MD
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:33	MD
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:33	MD
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:33	MD
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:33	MD
127-18-4	Tetrachloroethylene	0.210		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:33	MD
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:33	MD
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	04/23/2021 06:47	04/23/2021 15:33	MD
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	04/23/2021 06:47	04/23/2021 15:33	MD
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:33	MD
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:33	MD



Sample Information

Client Sample ID: GWDUP01_042221

York Sample ID: 21D1068-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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21D1068

170655401

Water

April 22, 2021 4:55 pm

04/22/2021

Volatiles, 8260 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
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 15:33	MD
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/23/2021 06:47	04/23/2021 15:33	MD
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	97.7 %			69-130						
2037-26-5	Surrogate: SURR: Toluene-d8	100 %			81-117						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	93.8 %			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	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 08:40	04/29/2021 20:21	CD
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 08:40	04/29/2021 20:21	CD
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 08:40	04/29/2021 20:21	CD
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 08:40	04/29/2021 20:21	CD
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 08:40	04/29/2021 20:21	CD
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 08:40	04/29/2021 20:21	CD
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 08:40	04/29/2021 20:21	CD
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 08:40	04/29/2021 20:21	CD
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 08:40	04/29/2021 20:21	CD
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 08:40	04/29/2021 20:21	CD
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 08:40	04/29/2021 20:21	CD
91-58-7	2-Chloronaphthalene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 08:40	04/29/2021 20:21	CD
95-57-8	2-Chlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 08:40	04/29/2021 20:21	CD
91-57-6	2-Methylnaphthalene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 08:40	04/29/2021 20:21	CD



Sample Information

Client Sample ID: GWDUP01_042221

York Sample ID: 21D1068-03

York Project (SDG) No.

Client Project ID

Matrix

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21D1068

170655401

Water

April 22, 2021 4:55 pm

04/22/2021

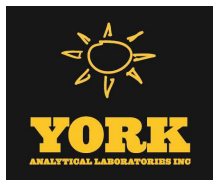
Semi-Volatiles, 8270 Comprehensive

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
95-48-7	2-Methylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 08:40	04/29/2021 20:21	CD
88-74-4	2-Nitroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 08:40	04/29/2021 20:21	CD
88-75-5	2-Nitrophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 08:40	04/29/2021 20:21	CD
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 08:40	04/29/2021 20:21	CD
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 08:40	04/29/2021 20:21	CD
99-09-2	3-Nitroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 08:40	04/29/2021 20:21	CD
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 08:40	04/29/2021 20:21	CD
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 08:40	04/29/2021 20:21	CD
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 08:40	04/29/2021 20:21	CD
106-47-8	4-Chloroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 08:40	04/29/2021 20:21	CD
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 08:40	04/29/2021 20:21	CD
100-01-6	4-Nitroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 08:40	04/29/2021 20:21	CD
100-02-7	4-Nitrophenol	ND		ug/L	5.26	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 08:40	04/29/2021 20:21	CD
98-86-2	Acetophenone	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 08:40	04/29/2021 20:21	CD
62-53-3	Aniline	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 08:40	04/29/2021 20:21	CD
100-52-7	Benzaldehyde	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 08:40	04/29/2021 20:21	CD
92-87-5	Benzidine	ND		ug/L	5.26	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 08:40	04/29/2021 20:21	CD
65-85-0	Benzoic acid	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 08:40	04/29/2021 20:21	CD
100-51-6	Benzyl alcohol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 08:40	04/29/2021 20:21	CD
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 08:40	04/29/2021 20:21	CD
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 08:40	04/29/2021 20:21	CD
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.05	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 08:40	04/29/2021 20:21	CD



Sample Information

Client Sample ID: GWDUP01_042221

York Sample ID: 21D1068-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1068

170655401

Water

April 22, 2021 4:55 pm

04/22/2021

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
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 08:40	04/29/2021 20:21	CD
105-60-2	Caprolactam	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/29/2021 08:40	04/29/2021 20:21	CD
86-74-8	Carbazole	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 08:40	04/29/2021 20:21	CD
132-64-9	Dibenzofuran	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 08:40	04/29/2021 20:21	CD
84-66-2	Diethyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 08:40	04/29/2021 20:21	CD
131-11-3	Dimethyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 08:40	04/29/2021 20:21	CD
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 08:40	04/29/2021 20:21	CD
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 08:40	04/29/2021 20:21	CD
122-39-4	Diphenylamine	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/29/2021 08:40	04/29/2021 20:21	CD
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.26	10.5	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 08:40	04/29/2021 20:21	CD
78-59-1	Isophorone	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 08:40	04/29/2021 20:21	CD
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 08:40	04/29/2021 20:21	CD
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 08:40	04/29/2021 20:21	CD
108-95-2	Phenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 08:40	04/29/2021 20:21	CD
110-86-1	Pyridine	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 08:40	04/29/2021 20:21	CD
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	30.5 %	19.7-63.1								
4165-62-2	Surrogate: SURR: Phenol-d5	20.6 %	10.1-41.7								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	64.6 %	50.2-113								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	71.0 %	39.9-105								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	73.1 %	39.3-151								
1718-51-0	Surrogate: SURR: Terphenyl-d14	75.1 %	30.7-106								

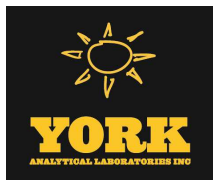
Semi-Volatiles, 8270 Comprehensive

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
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Sample Information

Client Sample ID: GWDUP01_042221

York Sample ID: 21D1068-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1068

170655401

Water

April 22, 2021 4:55 pm

04/22/2021

Semi-Volatiles, 8270 Comprehensive

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	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 08:40	04/29/2021 17:26	CD
208-96-8	Acenaphthylene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 08:40	04/29/2021 17:26	CD
120-12-7	Anthracene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 08:40	04/29/2021 17:26	CD
1912-24-9	Atrazine	ND		ug/L	0.526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/29/2021 08:40	04/29/2021 17:26	CD
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 08:40	04/29/2021 17:26	CD
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 08:40	04/29/2021 17:26	CD
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 08:40	04/29/2021 17:26	CD
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 08:40	04/29/2021 17:26	CD
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 08:40	04/29/2021 17:26	CD
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/29/2021 08:40	04/29/2021 17:26	CD
218-01-9	Chrysene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 08:40	04/29/2021 17:26	CD
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 08:40	04/29/2021 17:26	CD
206-44-0	Fluoranthene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 08:40	04/29/2021 17:26	CD
86-73-7	Fluorene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 08:40	04/29/2021 17:26	CD
118-74-1	Hexachlorobenzene	ND		ug/L	0.0211	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/29/2021 08:40	04/29/2021 17:26	CD
87-68-3	Hexachlorobutadiene	ND		ug/L	0.526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/29/2021 08:40	04/29/2021 17:26	CD
67-72-1	Hexachloroethane	ND		ug/L	0.526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/29/2021 08:40	04/29/2021 17:26	CD
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 08:40	04/29/2021 17:26	CD
91-20-3	Naphthalene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 08:40	04/29/2021 17:26	CD
98-95-3	Nitrobenzene	ND		ug/L	0.263	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/29/2021 08:40	04/29/2021 17:26	CD
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/29/2021 08:40	04/29/2021 17:26	CD
87-86-5	Pentachlorophenol	ND		ug/L	0.263	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	04/29/2021 08:40	04/29/2021 17:26	CD



Sample Information

Client Sample ID: GWDUP01_042221

York Sample ID: 21D1068-03

York Project (SDG) No.

21D1068

Client Project ID

170655401

Matrix

Water

Collection Date/Time

April 22, 2021 4:55 pm

Date Received

04/22/2021

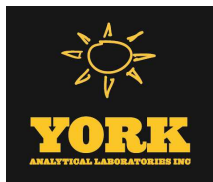
Semi-Volatiles, 8270 Comprehensive

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
85-01-8	Phenanthrene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 08:40	04/29/2021 17:26	CD
129-00-0	Pyrene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/29/2021 08:40	04/29/2021 17:26	CD



Sample Information

Client Sample ID: TB01_042221

York Sample ID: 21D1068-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1068

170655401

Water

April 22, 2021 4:55 pm

04/22/2021

Volatiles, 8260 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	04/23/2021 06:47	04/23/2021 14:15	MD
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	04/23/2021 06:47	04/23/2021 14:15	MD
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	04/23/2021 06:47	04/23/2021 14:15	MD
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	04/23/2021 06:47	04/23/2021 14:15	MD
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	04/23/2021 06:47	04/23/2021 14:15	MD
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:15	MD
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:15	MD
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:15	MD
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:15	MD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:15	MD
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:15	MD
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	04/23/2021 06:47	04/23/2021 14:15	MD
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:15	MD
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:15	MD
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:15	MD
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:15	MD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:15	MD
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:15	MD
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:15	MD
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:15	MD
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:15	MD



Sample Information

Client Sample ID: TB01_042221

York Sample ID: 21D1068-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1068

170655401

Water

April 22, 2021 4:55 pm

04/22/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:15	MD
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	04/23/2021 06:47	04/23/2021 14:15	MD
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:15	MD
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:15	MD
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:15	MD
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:15	MD
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:15	MD
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:15	MD
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:15	MD
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:15	MD
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:15	MD
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:15	MD
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:15	MD
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:15	MD
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:15	MD
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:15	MD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:15	MD
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	04/23/2021 06:47	04/23/2021 14:15	MD
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:15	MD
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:15	MD
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:15	MD
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:15	MD



Sample Information

Client Sample ID: TB01_042221

York Sample ID: 21D1068-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1068

170655401

Water

April 22, 2021 4:55 pm

04/22/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:15	MD
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:15	MD
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:15	MD
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:15	MD
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	04/23/2021 06:47	04/23/2021 14:15	MD
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:15	MD
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:15	MD
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:15	MD
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:15	MD
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:15	MD
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:15	MD
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:15	MD
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:15	MD
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:15	MD
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:15	MD
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:15	MD
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:15	MD
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:15	MD
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	04/23/2021 06:47	04/23/2021 14:15	MD
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	04/23/2021 06:47	04/23/2021 14:15	MD
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:15	MD
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:15	MD



Sample Information

Client Sample ID: TB01_042221

York Sample ID: 21D1068-04

York Project (SDG) No.
21D1068

Client Project ID
170655401

Matrix
Water

Collection Date/Time
April 22, 2021 4:55 pm

Date Received
04/22/2021

Volatiles, 8260 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
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2021 06:47	04/23/2021 14:15	MD
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/23/2021 06:47	04/23/2021 14:15	MD
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	96.1 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	99.2 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	90.9 %	79-122								



Analytical Batch Summary

Batch ID: BD11302

Preparation Method: EPA 5030B

Prepared By: KHA

YORK Sample ID	Client Sample ID	Preparation Date
21D1068-01	TMW05_042221	04/23/21
21D1068-02	TMW04_042221	04/23/21
21D1068-03	GWDUP01_042221	04/23/21
21D1068-04	TB01_042221	04/23/21
BD11302-BLK1	Blank	04/23/21
BD11302-BS1	LCS	04/23/21
BD11302-BSD1	LCS Dup	04/23/21

Batch ID: BD11424

Preparation Method: EPA 3510C

Prepared By: OC

YORK Sample ID	Client Sample ID	Preparation Date
21D1068-01	TMW05_042221	04/27/21
21D1068-02	TMW04_042221	04/27/21
BD11424-BLK1	Blank	04/27/21
BD11424-BLK2	Blank	04/27/21
BD11424-BS1	LCS	04/27/21
BD11424-BS2	LCS	04/27/21
BD11424-MS1	Matrix Spike	04/27/21
BD11424-MSD1	Matrix Spike Dup	04/27/21

Batch ID: BD11579

Preparation Method: EPA 3510C

Prepared By: OC

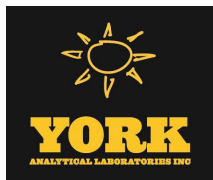
YORK Sample ID	Client Sample ID	Preparation Date
21D1068-03	GWDUP01_042221	04/29/21
BD11579-BLK1	Blank	04/29/21
BD11579-BLK2	Blank	04/29/21
BD11579-BS1	LCS	04/29/21
BD11579-BS2	LCS	04/29/21
BD11579-BSD1	LCS Dup	04/29/21



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 BD11302 - EPA 5030B											
Blank (BD11302-BLK1)	Blank										Prepared & Analyzed: 04/23/2021
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	"								
1,4-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	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
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Batch BD11302 - EPA 5030B

Blank (BD11302-BLK1)	Blank		Prepared & Analyzed: 04/23/2021								
n-Butylbenzene	ND	0.500	ug/L								
n-Propylbenzene	ND	0.500	"								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
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	"								
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>9.60</i>		<i>"</i>	<i>10.0</i>		<i>96.0</i>	<i>69-130</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>9.97</i>		<i>"</i>	<i>10.0</i>		<i>99.7</i>	<i>81-117</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>9.26</i>		<i>"</i>	<i>10.0</i>		<i>92.6</i>	<i>79-122</i>				

LCS (BD11302-BS1)	LCS		Prepared & Analyzed: 04/23/2021								
1,1,1,2-Tetrachloroethane	10.3		ug/L	10.0		103	82-126				
1,1,1-Trichloroethane	10.3		"	10.0		103	78-136				
1,1,2,2-Tetrachloroethane	9.15		"	10.0		91.5	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	13.8		"	10.0		138	54-165				
1,1,2-Trichloroethane	9.17		"	10.0		91.7	82-123				
1,1-Dichloroethane	9.39		"	10.0		93.9	82-129				
1,1-Dichloroethylene	11.5		"	10.0		115	68-138				
1,2,3-Trichlorobenzene	9.56		"	10.0		95.6	76-136				
1,2,3-Trichloropropane	9.37		"	10.0		93.7	77-128				
1,2,4-Trichlorobenzene	10.9		"	10.0		109	76-137				
1,2,4-Trimethylbenzene	11.8		"	10.0		118	82-132				
1,2-Dibromo-3-chloropropane	8.47		"	10.0		84.7	45-147				
1,2-Dibromoethane	9.38		"	10.0		93.8	83-124				
1,2-Dichlorobenzene	10.8		"	10.0		108	79-123				
1,2-Dichloroethane	8.71		"	10.0		87.1	73-132				
1,2-Dichloropropane	10.6		"	10.0		106	78-126				
1,3,5-Trimethylbenzene	12.0		"	10.0		120	80-131				
1,3-Dichlorobenzene	10.9		"	10.0		109	86-122				
1,4-Dichlorobenzene	11.0		"	10.0		110	85-124				
1,4-Dioxane	139		"	210		66.2	10-349				
2-Butanone	7.30		"	10.0		73.0	49-152				
2-Hexanone	7.07		"	10.0		70.7	51-146				
4-Methyl-2-pentanone	7.17		"	10.0		71.7	57-145				
Acetone	8.91		"	10.0		89.1	14-150				
Acrolein	10.2		"	10.0		102	10-153				
Acrylonitrile	9.39		"	10.0		93.9	51-150				
Benzene	11.0		"	10.0		110	85-126				
Bromochloromethane	9.38		"	10.0		93.8	77-128				
Bromodichloromethane	9.46		"	10.0		94.6	79-128				



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 BD11302 - EPA 5030B											
LCS (BD11302-BS1)	LCS		Prepared & Analyzed: 04/23/2021								
Bromoform	8.97		ug/L	10.0		89.7	78-133				
Bromomethane	9.29		"	10.0		92.9	43-168				
Carbon disulfide	12.3		"	10.0		123	68-146				
Carbon tetrachloride	10.6		"	10.0		106	77-141				
Chlorobenzene	10.9		"	10.0		109	88-120				
Chloroethane	12.7		"	10.0		127	65-136				
Chloroform	10.3		"	10.0		103	82-128				
Chloromethane	12.7		"	10.0		127	43-155				
cis-1,2-Dichloroethylene	10.2		"	10.0		102	83-129				
cis-1,3-Dichloropropylene	9.30		"	10.0		93.0	80-131				
Cyclohexane	9.94		"	10.0		99.4	63-149				
Dibromochloromethane	9.45		"	10.0		94.5	80-130				
Dibromomethane	9.26		"	10.0		92.6	72-134				
Dichlorodifluoromethane	20.6		"	10.0		206	44-144	High Bias			
Ethyl Benzene	11.5		"	10.0		115	80-131				
Hexachlorobutadiene	12.2		"	10.0		122	67-146				
Isopropylbenzene	11.8		"	10.0		118	76-140				
Methyl acetate	7.18		"	10.0		71.8	51-139				
Methyl tert-butyl ether (MTBE)	8.29		"	10.0		82.9	76-135				
Methylcyclohexane	12.8		"	10.0		128	72-143				
Methylene chloride	9.97		"	10.0		99.7	55-137				
n-Butylbenzene	11.9		"	10.0		119	79-132				
n-Propylbenzene	12.0		"	10.0		120	78-133				
o-Xylene	11.0		"	10.0		110	78-130				
p- & m- Xylenes	23.1		"	20.0		115	77-133				
p-Isopropyltoluene	12.3		"	10.0		123	81-136				
sec-Butylbenzene	12.5		"	10.0		125	79-137				
Styrene	10.9		"	10.0		109	67-132				
tert-Butyl alcohol (TBA)	29.2		"	50.0		58.5	25-162				
tert-Butylbenzene	10.2		"	10.0		102	77-138				
Tetrachloroethylene	11.5		"	10.0		115	82-131				
Toluene	11.2		"	10.0		112	80-127				
trans-1,2-Dichloroethylene	11.3		"	10.0		113	80-132				
trans-1,3-Dichloropropylene	8.69		"	10.0		86.9	78-131				
Trichloroethylene	11.0		"	10.0		110	82-128				
Trichlorofluoromethane	12.6		"	10.0		126	67-139				
Vinyl Chloride	13.2		"	10.0		132	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	8.28		"	10.0		82.8	69-130				
Surrogate: SURR: Toluene-d8	10.3		"	10.0		103	81-117				
Surrogate: SURR: p-Bromofluorobenzene	9.72		"	10.0		97.2	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 BD11302 - EPA 5030B											
LCS Dup (BD11302-BSD1)	LCS Dup			Prepared & Analyzed: 04/23/2021							
1,1,1,2-Tetrachloroethane	10.4		ug/L	10.0		104	82-126		0.870	30	
1,1,1-Trichloroethane	9.83		"	10.0		98.3	78-136		4.86	30	
1,1,2,2-Tetrachloroethane	10.1		"	10.0		101	76-129		9.57	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	13.0		"	10.0		130	54-165		6.04	30	
1,1,2-Trichloroethane	10.2		"	10.0		102	82-123		10.4	30	
1,1-Dichloroethane	9.84		"	10.0		98.4	82-129		4.68	30	
1,1-Dichloroethylene	10.7		"	10.0		107	68-138		7.32	30	
1,2,3-Trichlorobenzene	10.6		"	10.0		106	76-136		9.85	30	
1,2,3-Trichloropropane	9.87		"	10.0		98.7	77-128		5.20	30	
1,2,4-Trichlorobenzene	11.2		"	10.0		112	76-137		2.17	30	
1,2,4-Trimethylbenzene	10.4		"	10.0		104	82-132		12.0	30	
1,2-Dibromo-3-chloropropane	8.94		"	10.0		89.4	45-147		5.40	30	
1,2-Dibromoethane	10.5		"	10.0		105	83-124		11.3	30	
1,2-Dichlorobenzene	10.3		"	10.0		103	79-123		4.63	30	
1,2-Dichloroethane	9.47		"	10.0		94.7	73-132		8.36	30	
1,2-Dichloropropane	10.5		"	10.0		105	78-126		1.24	30	
1,3,5-Trimethylbenzene	10.5		"	10.0		105	80-131		13.2	30	
1,3-Dichlorobenzene	10.3		"	10.0		103	86-122		5.64	30	
1,4-Dichlorobenzene	10.2		"	10.0		102	85-124		7.25	30	
1,4-Dioxane	190		"	210		90.6	10-349		31.1	30	Non-dir.
2-Butanone	8.96		"	10.0		89.6	49-152		20.4	30	
2-Hexanone	8.74		"	10.0		87.4	51-146		21.1	30	
4-Methyl-2-pentanone	8.98		"	10.0		89.8	57-145		22.4	30	
Acetone	10.5		"	10.0		105	14-150		16.7	30	
Acrolein	12.6		"	10.0		126	10-153		21.1	30	
Acrylonitrile	11.4		"	10.0		114	51-150		19.3	30	
Benzene	10.8		"	10.0		108	85-126		1.65	30	
Bromochloromethane	9.67		"	10.0		96.7	77-128		3.04	30	
Bromodichloromethane	9.73		"	10.0		97.3	79-128		2.81	30	
Bromoform	10.2		"	10.0		102	78-133		12.8	30	
Bromomethane	9.03		"	10.0		90.3	43-168		2.84	30	
Carbon disulfide	11.7		"	10.0		117	68-146		5.41	30	
Carbon tetrachloride	9.96		"	10.0		99.6	77-141		5.85	30	
Chlorobenzene	10.7		"	10.0		107	88-120		1.67	30	
Chloroethane	12.2		"	10.0		122	65-136		4.42	30	
Chloroform	10.0		"	10.0		100	82-128		2.17	30	
Chloromethane	11.9		"	10.0		119	43-155		6.99	30	
cis-1,2-Dichloroethylene	10.2		"	10.0		102	83-129		0.785	30	
cis-1,3-Dichloropropylene	9.61		"	10.0		96.1	80-131		3.28	30	
Cyclohexane	9.35		"	10.0		93.5	63-149		6.12	30	
Dibromochloromethane	10.3		"	10.0		103	80-130		8.80	30	
Dibromomethane	10.0		"	10.0		100	72-134		7.78	30	
Dichlorodifluoromethane	19.6		"	10.0		196	44-144	High Bias	5.23	30	
Ethyl Benzene	10.9		"	10.0		109	80-131		5.70	30	
Hexachlorobutadiene	12.0		"	10.0		120	67-146		1.82	30	
Isopropylbenzene	10.2		"	10.0		102	76-140		15.5	30	
Methyl acetate	8.87		"	10.0		88.7	51-139		21.1	30	
Methyl tert-butyl ether (MTBE)	9.85		"	10.0		98.5	76-135		17.2	30	
Methylcyclohexane	11.8		"	10.0		118	72-143		8.12	30	
Methylene chloride	9.97		"	10.0		99.7	55-137		0.00	30	
n-Butylbenzene	10.5		"	10.0		105	79-132		12.6	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD11302 - EPA 5030B										
LCS Dup (BD11302-BSD1)	LCS Dup		Prepared & Analyzed: 04/23/2021							
n-Propylbenzene	10.3		ug/L	10.0		103	78-133	14.8	30	
o-Xylene	10.6		"	10.0		106	78-130	3.80	30	
p- & m- Xylenes	22.2		"	20.0		111	77-133	3.66	30	
p-Isopropyltoluene	10.8		"	10.0		108	81-136	12.9	30	
sec-Butylbenzene	11.1		"	10.0		111	79-137	12.5	30	
Styrene	10.7		"	10.0		107	67-132	1.39	30	
tert-Butyl alcohol (TBA)	41.4		"	50.0		82.9	25-162	34.6	30	Non-dir.
tert-Butylbenzene	8.82		"	10.0		88.2	77-138	14.1	30	
Tetrachloroethylene	10.8		"	10.0		108	82-131	6.53	30	
Toluene	10.6		"	10.0		106	80-127	5.49	30	
trans-1,2-Dichloroethylene	10.6		"	10.0		106	80-132	5.57	30	
trans-1,3-Dichloropropylene	9.44		"	10.0		94.4	78-131	8.27	30	
Trichloroethylene	10.3		"	10.0		103	82-128	6.37	30	
Trichlorofluoromethane	11.8		"	10.0		118	67-139	6.40	30	
Vinyl Chloride	12.2		"	10.0		122	58-145	7.58	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	9.20		"	10.0		92.0	69-130			
Surrogate: SURR: Toluene-d8	10.0		"	10.0		100	81-117			
Surrogate: SURR: p-Bromofluorobenzene	9.18		"	10.0		91.8	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 BD11424 - EPA 3510C											
Blank (BD11424-BLK1)	Blank										Prepared: 04/27/2021 Analyzed: 04/28/2021
1,1-Biphenyl	ND	5.00	ug/L								
1,2,4,5-Tetrachlorobenzene	ND	5.00	"								
1,2-Diphenylhydrazine (as Azobenzene)	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	"								
Benidine	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	"								
Diphenylamine	ND	5.00	"								
Hexachlorocyclopentadiene	ND	10.0	"								
Isophorone	ND	5.00	"								
N-nitroso-di-n-propylamine	ND	5.00	"								
N-Nitrosodiphenylamine	ND	5.00	"								
Phenol	ND	5.00	"								
Pyridine	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
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Batch BD11424 - EPA 3510C

Blank (BD11424-BLK1)	Blank	Prepared: 04/27/2021 Analyzed: 04/28/2021									
Surrogate: SURR: 2-Fluorophenol	13.5		ug/L	50.0		27.0	19.7-63.1				
Surrogate: SURR: Phenol-d5	8.60		"	50.0		17.2	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	12.7		"	25.0		50.7	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	15.4		"	25.0		61.4	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	29.6		"	50.0		59.3	39.3-151				
Surrogate: SURR: Terphenyl-d14	17.1		"	25.0		68.3	30.7-106				

Blank (BD11424-BLK2)	Blank	Prepared: 04/27/2021 Analyzed: 04/28/2021									
1,1-Biphenyl	ND	5.00	ug/L								
1,2,4,5-Tetrachlorobenzene	ND	5.00	"								
1,2-Diphenylhydrazine (as Azobenzene)	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	"								
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	"								
Benzoic acid	ND	5.00	"								
Benzyl alcohol	ND	5.00	"								
Benzyl butyl phthalate	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
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Batch BD11424 - EPA 3510C

Blank (BD11424-BLK2)		Blank		Prepared: 04/27/2021 Analyzed: 04/28/2021							
Bis(2-chloroethoxy)methane	ND	5.00	ug/L								
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	"								
Diphenylamine	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	ND	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 BD11424 - EPA 3510C											
LCS (BD11424-BS1)	LCS		Prepared: 04/27/2021 Analyzed: 04/28/2021								
1,1-Biphenyl	16.6	5.00	ug/L	25.0		66.2	33-95				
1,2,4,5-Tetrachlorobenzene	15.5	5.00	"	25.0		62.0	26-120				
1,2-Diphenylhydrazine (as Azobenzene)	17.0	5.00	"	25.0		67.9	16-141				
2,3,4,6-Tetrachlorophenol	17.3	5.00	"	25.0		69.1	30-130				
2,4,5-Trichlorophenol	16.0	5.00	"	25.0		64.1	32-114				
2,4,6-Trichlorophenol	15.5	5.00	"	25.0		62.1	35-118				
2,4-Dichlorophenol	14.5	5.00	"	25.0		58.1	25-116				
2,4-Dimethylphenol	14.1	5.00	"	25.0		56.5	15-116				
2,4-Dinitrophenol	10.0	5.00	"	25.0		40.1	10-170				
2,4-Dinitrotoluene	15.7	5.00	"	25.0		62.6	41-128				
2,6-Dinitrotoluene	15.8	5.00	"	25.0		63.1	45-116				
2-Chloronaphthalene	15.4	5.00	"	25.0		61.7	33-112				
2-Chlorophenol	13.8	5.00	"	25.0		55.2	15-120				
2-Methylnaphthalene	17.0	5.00	"	25.0		68.1	24-118				
2-Methylphenol	12.3	5.00	"	25.0		49.3	10-110				
2-Nitroaniline	16.5	5.00	"	25.0		65.9	34-129				
2-Nitrophenol	13.5	5.00	"	25.0		53.9	28-118				
3- & 4-Methylphenols	10.0	5.00	"	25.0		40.2	10-107				
3,3-Dichlorobenzidine	16.1	5.00	"	25.0		64.6	15-187				
3-Nitroaniline	14.5	5.00	"	25.0		57.8	24-134				
4,6-Dinitro-2-methylphenol	12.2	5.00	"	25.0		48.8	10-153				
4-Bromophenyl phenyl ether	14.5	5.00	"	25.0		58.0	34-120				
4-Chloro-3-methylphenol	16.4	5.00	"	25.0		65.8	20-120				
4-Chloroaniline	10.8	5.00	"	25.0		43.0	10-147				
4-Chlorophenyl phenyl ether	15.5	5.00	"	25.0		61.9	27-121				
4-Nitroaniline	16.9	5.00	"	25.0		67.6	13-134				
4-Nitrophenol	6.61	5.00	"	25.0		26.4	10-131				
Acetophenone	16.6	5.00	"	25.0		66.5	25-110				
Aniline	9.64	5.00	"	25.0		38.6	10-117				
Benzaldehyde	16.4	5.00	"	25.0		65.7	29-117				
Benzoic acid	2.58	5.00	"	25.0		10.3	30-130	Low Bias			
Benzyl alcohol	12.6	5.00	"	25.0		50.3	10-117				
Benzyl butyl phthalate	17.2	5.00	"	25.0		68.8	29-133				
Bis(2-chloroethoxy)methane	15.0	5.00	"	25.0		60.0	10-154				
Bis(2-chloroethyl)ether	15.6	5.00	"	25.0		62.6	17-125				
Bis(2-chloroisopropyl)ether	14.0	5.00	"	25.0		55.8	10-139				
Caprolactam	3.75	5.00	"	25.0		15.0	10-137				
Carbazole	17.7	5.00	"	25.0		70.8	42-126				
Dibenzofuran	17.3	5.00	"	25.0		69.0	36-113				
Diethyl phthalate	16.3	5.00	"	25.0		65.3	38-115				
Dimethyl phthalate	15.8	5.00	"	25.0		63.3	38-129				
Di-n-butyl phthalate	16.9	5.00	"	25.0		67.6	31-120				
Di-n-octyl phthalate	19.0	5.00	"	25.0		76.1	21-149				
Diphenylamine	20.0	5.00	"	25.0		79.8	40-140				
Hexachlorocyclopentadiene	11.1	10.0	"	25.0		44.3	10-130				
Isophorone	15.2	5.00	"	25.0		60.7	25-127				
N-nitroso-di-n-propylamine	15.4	5.00	"	25.0		61.5	26-122				
N-Nitrosodiphenylamine	19.9	5.00	"	25.0		79.5	23-149				
Phenol	5.22	5.00	"	25.0		20.9	10-110				
Pyridine	5.98	5.00	"	25.2		23.7	10-90				
Surrogate: SURR: 2-Fluorophenol	14.5		"	50.0		28.9	19.7-63.1				



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
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Batch BD11424 - EPA 3510C

LCS (BD11424-BS1)	LCS	Prepared: 04/27/2021 Analyzed: 04/28/2021									
Surrogate: SURR: Phenol-d5	9.48		ug/L	50.0		19.0	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	13.7		"	25.0		54.7	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	15.7		"	25.0		62.7	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	31.9		"	50.0		63.8	39.3-151				
Surrogate: SURR: Terphenyl-d14	16.7		"	25.0		67.0	30.7-106				

LCS (BD11424-BS2)	LCS	Prepared: 04/27/2021 Analyzed: 04/28/2021									
1,1-Biphenyl	ND	5.00	ug/L				33-95				
1,2,4,5-Tetrachlorobenzene	ND	5.00	"				26-120				
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"	1.00			16-141	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	0.640	0.0500	"	1.00		64.0	25-116				
Acenaphthylene	0.660	0.0500	"	1.00		66.0	26-116				
Acetophenone	ND	5.00	"				25-110				
Aniline	ND	5.00	"	1.00			10-117	Low Bias			
Anthracene	0.680	0.0500	"	1.00		68.0	25-123				
Benzaldehyde	ND	5.00	"				29-117				
Benzo(a)anthracene	0.710	0.0500	"	1.00		71.0	33-125				
Benzo(a)pyrene	0.600	0.0500	"	1.00		60.0	32-132				
Benzo(b)fluoranthene	0.670	0.0500	"	1.00		67.0	22-137				
Benzo(g,h,i)perylene	0.670	0.0500	"	1.00		67.0	10-138				
Benzo(k)fluoranthene	0.640	0.0500	"	1.00		64.0	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			



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
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Batch BD11424 - EPA 3510C

LCS (BD11424-BS2)	LCS	Prepared: 04/27/2021 Analyzed: 04/28/2021									
Bis(2-ethylhexyl)phthalate	1.09	0.500	ug/L	1.00		109	10-189				
Caprolactam	ND	5.00	"				10-137				
Carbazole	ND	5.00	"	1.00			42-126	Low Bias			
Chrysene	0.760	0.0500	"	1.00		76.0	32-124				
Dibenzo(a,h)anthracene	0.650	0.0500	"	1.00		65.0	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			
Diphenylamine	ND	5.00	"	1.00			40-140	Low Bias			
Fluoranthene	0.790	0.0500	"	1.00		79.0	32-121				
Fluorene	0.710	0.0500	"	1.00		71.0	28-118				
Hexachlorobenzene	0.580	0.0200	"	1.00		58.0	23-124				
Hexachlorobutadiene	0.640	0.500	"	1.00		64.0	15-123				
Hexachlorocyclopentadiene	ND	10.0	"	1.00			10-130	Low Bias			
Hexachloroethane	0.550	0.500	"	1.00		55.0	18-115				
Indeno(1,2,3-cd)pyrene	0.640	0.0500	"	1.00		64.0	15-135				
Isophorone	ND	5.00	"	1.00			25-127	Low Bias			
Naphthalene	0.630	0.0500	"	1.00		63.0	18-120				
Nitrobenzene	0.590	0.250	"	1.00		59.0	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	0.460	0.250	"	1.00		46.0	10-156				
Phenanthrene	0.730	0.0500	"	1.00		73.0	24-127				
Phenol	ND	5.00	"	1.00			10-110	Low Bias			
Pyrene	0.720	0.0500	"	1.00		72.0	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.

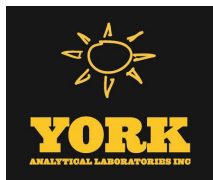
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD11424 - EPA 3510C											
Matrix Spike (BD11424-MS1)	Matrix Spike	*Source sample: 21D1189-01 (Matrix Spike)						Prepared: 04/27/2021 Analyzed: 04/29/2021			
1,1-Biphenyl	18.5	5.41	ug/L	27.0	ND	68.5	26-79				
1,2,4,5-Tetrachlorobenzene	16.8	5.41	"	27.0	ND	62.2	33-90				
1,2-Diphenylhydrazine (as Azobenzene)	20.3	5.41	"	27.0	ND	75.2	21-107				
2,3,4,6-Tetrachlorophenol	20.4	5.41	"	27.0	ND	75.4	30-130				
2,4,5-Trichlorophenol	17.7	5.41	"	27.0	ND	65.3	43-96				
2,4,6-Trichlorophenol	18.4	5.41	"	27.0	ND	67.9	46-94				
2,4-Dichlorophenol	16.9	5.41	"	27.0	ND	62.7	26-101				
2,4-Dimethylphenol	17.8	5.41	"	27.0	ND	65.8	10-104				
2,4-Dinitrophenol	23.3	5.41	"	27.0	ND	86.4	10-146				
2,4-Dinitrotoluene	19.6	5.41	"	27.0	ND	72.7	30-108				
2,6-Dinitrotoluene	18.8	5.41	"	27.0	ND	69.6	38-98				
2-Chloronaphthalene	16.8	5.41	"	27.0	ND	62.0	30-89				
2-Chlorophenol	16.2	5.41	"	27.0	ND	60.1	24-98				
2-Methylnaphthalene	19.1	5.41	"	27.0	ND	70.7	10-112				
2-Methylphenol	15.2	5.41	"	27.0	ND	56.2	10-134				
2-Nitroaniline	20.9	5.41	"	27.0	ND	77.2	25-110				
2-Nitrophenol	17.1	5.41	"	27.0	ND	63.3	10-139				
3- & 4-Methylphenols	12.4	5.41	"	27.0	ND	45.8	10-91				
3,3-Dichlorobenzidine	ND	5.41	"	27.0	ND		10-140	Low Bias			
3-Nitroaniline	16.8	5.41	"	27.0	ND	62.1	22-111				
4,6-Dinitro-2-methylphenol	18.4	5.41	"	27.0	ND	68.1	10-140				
4-Bromophenyl phenyl ether	15.2	5.41	"	27.0	ND	56.2	30-108				
4-Chloro-3-methylphenol	19.6	5.41	"	27.0	ND	72.6	11-109				
4-Chloroaniline	11.5	5.41	"	27.0	ND	42.7	10-116				
4-Chlorophenyl phenyl ether	16.0	5.41	"	27.0	ND	59.2	39-85				
4-Nitroaniline	19.6	5.41	"	27.0	ND	72.6	11-132				
4-Nitrophenol	10.7	5.41	"	27.0	ND	39.5	10-82				
Acetophenone	19.6	5.41	"	27.0	ND	72.7	14-102				
Aniline	11.7	5.41	"	27.0	ND	43.3	10-80				
Benzaldehyde	20.6	5.41	"	27.0	ND	76.2	13-87				
Benzoic acid	7.96	5.41	"	27.0	ND	29.4	10-162				
Benzyl alcohol	15.5	5.41	"	27.0	ND	57.4	10-102				
Benzyl butyl phthalate	20.7	5.41	"	27.0	ND	76.6	10-133				
Bis(2-chloroethoxy)methane	18.1	5.41	"	27.0	ND	67.0	18-105				
Bis(2-chloroethyl)ether	18.2	5.41	"	27.0	ND	67.3	10-108				
Bis(2-chloroisopropyl)ether	19.2	5.41	"	27.0	ND	70.9	13-116				
Caprolactam	5.04	5.41	"	27.0	ND	18.6	10-75				
Carbazole	19.9	5.41	"	27.0	ND	73.7	36-108				
Dibenzofuran	18.4	5.41	"	27.0	ND	68.0	34-92				
Diethyl phthalate	18.2	5.41	"	27.0	ND	67.4	33-98				
Dimethyl phthalate	17.6	5.41	"	27.0	ND	65.0	18-116				
Di-n-butyl phthalate	19.4	5.41	"	27.0	ND	71.6	25-97				
Di-n-octyl phthalate	22.7	5.41	"	27.0	ND	84.1	10-137				
Diphenylamine	22.2	5.41	"	27.0	ND	82.2	40-140				
Hexachlorocyclopentadiene	13.2	10.8	"	27.0	ND	48.9	10-79				
Isophorone	19.1	5.41	"	27.0	ND	70.8	25-103				
N-nitroso-di-n-propylamine	19.7	5.41	"	27.0	ND	73.0	19-115				
N-Nitrosodiphenylamine	22.6	5.41	"	27.0	ND	83.7	31-112				
Phenol	6.90	5.41	"	27.0	ND	25.5	10-61				
Pyridine	7.33	5.41	"	27.3	ND	26.9	10-78				
Surrogate: SURR: 2-Fluorophenol	17.3		"	54.1		31.9	19.7-63.1				



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 BD11424 - EPA 3510C											
Matrix Spike (BD11424-MS1)	Matrix Spike	*Source sample: 21D1189-01 (Matrix Spike)						Prepared: 04/27/2021 Analyzed: 04/29/2021			
Surrogate: SURR: Phenol-d5	12.1		ug/L	54.1		22.3	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	16.9		"	27.0		62.7	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	16.5		"	27.0		61.1	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	34.9		"	54.1		64.6	39.3-151				
Surrogate: SURR: Terphenyl-d14	17.4		"	27.0		64.3	30.7-106				
Matrix Spike Dup (BD11424-MS1)	Matrix Spike Dup	*Source sample: 21D1189-01 (Matrix Spike Dup)						Prepared: 04/27/2021 Analyzed: 04/29/2021			
1,1-Biphenyl	18.5	5.56	ug/L	27.8	ND	66.6	26-79		0.0422	25	
1,2,4,5-Tetrachlorobenzene	16.7	5.56	"	27.8	ND	60.1	33-90		0.661	25	
1,2-Diphenylhydrazine (as Azobenzene)	20.1	5.56	"	27.8	ND	72.4	21-107		1.05	25	
2,3,4,6-Tetrachlorophenol	20.7	5.56	"	27.8	ND	74.5	30-130		1.57	25	
2,4,5-Trichlorophenol	18.6	5.56	"	27.8	ND	66.9	43-96		5.10	25	
2,4,6-Trichlorophenol	18.0	5.56	"	27.8	ND	64.6	46-94		2.21	25	
2,4-Dichlorophenol	17.2	5.56	"	27.8	ND	61.8	26-101		1.26	25	
2,4-Dimethylphenol	18.0	5.56	"	27.8	ND	64.6	10-104		0.901	25	
2,4-Dinitrophenol	22.7	5.56	"	27.8	ND	81.8	10-146		2.73	25	
2,4-Dinitrotoluene	20.2	5.56	"	27.8	ND	72.8	30-108		2.85	25	
2,6-Dinitrotoluene	24.6	5.56	"	27.8	ND	88.4	38-98		26.5	25	Non-dir.
2-Chloronaphthalene	16.5	5.56	"	27.8	ND	59.4	30-89		1.54	25	
2-Chlorophenol	15.9	5.56	"	27.8	ND	57.2	24-98		2.17	25	
2-Methylnaphthalene	18.7	5.56	"	27.8	ND	67.4	10-112		2.13	25	
2-Methylphenol	15.1	5.56	"	27.8	ND	54.5	10-134		0.295	25	
2-Nitroaniline	21.3	5.56	"	27.8	ND	76.5	25-110		1.91	25	
2-Nitrophenol	17.8	5.56	"	27.8	ND	64.2	10-139		4.18	25	
3- & 4-Methylphenols	12.5	5.56	"	27.8	ND	44.9	10-91		0.800	25	
3,3-Dichlorobenzidine	ND	5.56	"	27.8	ND		10-140	Low Bias		25	
3-Nitroaniline	19.0	5.56	"	27.8	ND	68.5	22-111		12.5	25	
4,6-Dinitro-2-methylphenol	19.3	5.56	"	27.8	ND	69.3	10-140		4.49	25	
4-Bromophenyl phenyl ether	15.3	5.56	"	27.8	ND	55.2	30-108		0.872	25	
4-Chloro-3-methylphenol	19.1	5.56	"	27.8	ND	68.9	11-109		2.57	25	
4-Chloroaniline	12.8	5.56	"	27.8	ND	46.2	10-116		10.5	25	
4-Chlorophenyl phenyl ether	16.3	5.56	"	27.8	ND	58.8	39-85		2.06	25	
4-Nitroaniline	20.4	5.56	"	27.8	ND	73.3	11-132		3.78	25	
4-Nitrophenol	11.0	5.56	"	27.8	ND	39.6	10-82		3.04	25	
Acetophenone	19.7	5.56	"	27.8	ND	70.9	14-102		0.232	25	
Aniline	13.1	5.56	"	27.8	ND	47.0	10-80		11.1	25	
Benzaldehyde	20.0	5.56	"	27.8	ND	71.9	13-87		3.04	25	
Benzoic acid	8.81	5.56	"	27.8	ND	31.7	10-162		10.2	25	
Benzyl alcohol	15.8	5.56	"	27.8	ND	56.9	10-102		1.90	25	
Benzyl butyl phthalate	20.6	5.56	"	27.8	ND	74.2	10-133		0.390	25	
Bis(2-chloroethoxy)methane	17.4	5.56	"	27.8	ND	62.7	18-105		3.92	25	
Bis(2-chloroethyl)ether	18.1	5.56	"	27.8	ND	65.0	10-108		0.708	25	
Bis(2-chloroisopropyl)ether	18.4	5.56	"	27.8	ND	66.2	13-116		4.21	25	
Caprolactam	5.73	5.56	"	27.8	ND	20.6	10-75		12.9	25	
Carbazole	19.7	5.56	"	27.8	ND	70.8	36-108		1.25	25	
Dibenzofuran	18.0	5.56	"	27.8	ND	64.8	34-92		2.08	25	
Diethyl phthalate	18.3	5.56	"	27.8	ND	66.0	33-98		0.580	25	
Dimethyl phthalate	17.6	5.56	"	27.8	ND	63.5	18-116		0.435	25	
Di-n-butyl phthalate	19.4	5.56	"	27.8	ND	69.8	25-97		0.138	25	
Di-n-octyl phthalate	23.1	5.56	"	27.8	ND	83.2	10-137		1.64	25	
Diphenylamine	22.2	5.56	"	27.8	ND	80.1	40-140		0.0783	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
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Batch BD11424 - EPA 3510C

Matrix Spike Dup (BD11424-M)				Source sample: 21D1189-01 (Matrix Spike Dup)				Prepared: 04/27/2021 Analyzed: 04/29/2021			
Hexachlorocyclopentadiene	13.1	11.1	ug/L	27.8	ND	47.2	10-79		0.673	25	
Isophorone	18.8	5.56	"	27.8	ND	67.8	25-103		1.53	25	
N-nitroso-di-n-propylamine	18.8	5.56	"	27.8	ND	67.6	19-115		5.06	25	
N-Nitrosodiphenylamine	22.0	5.56	"	27.8	ND	79.2	31-112		2.76	25	
Phenol	6.52	5.56	"	27.8	ND	23.5	10-61		5.59	25	
Pyridine	8.76	5.56	"	28.1	ND	31.2	10-78		17.7	25	
Surrogate: SURR: 2-Fluorophenol	16.5		"	55.6		29.7	19.7-63.1				
Surrogate: SURR: Phenol-d5	11.4		"	55.6		20.5	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	17.2		"	27.8		61.8	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	16.4		"	27.8		58.9	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	34.5		"	55.6		62.0	39.3-151				
Surrogate: SURR: Terphenyl-d14	18.6		"	27.8		67.0	30.7-106				

Batch BD11579 - EPA 3510C

Blank (BD11579-BLK1)	Blank			Prepared & Analyzed: 04/29/2021							
1,1-Biphenyl	ND	5.00	ug/L								
1,2,4,5-Tetrachlorobenzene	ND	5.00	"								
1,2-Diphenylhydrazine (as Azobenzene)	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	"								



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
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Batch BD11579 - EPA 3510C

Blank (BD11579-BLK1)	Blank								Prepared & Analyzed: 04/29/2021
Bis(2-chloroethyl)ether	ND	5.00	ug/L						
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	"						
Diphenylamine	ND	5.00	"						
Hexachlorocyclopentadiene	ND	10.0	"						
Isophorone	ND	5.00	"						
N-nitroso-di-n-propylamine	ND	5.00	"						
N-Nitrosodiphenylamine	ND	5.00	"						
Phenol	ND	5.00	"						
Pyridine	ND	5.00	"						
Surrogate: SURR: 2-Fluorophenol	16.8		"	50.0		33.5	19.7-63.1		
Surrogate: SURR: Phenol-d5	10.7		"	50.0		21.4	10.1-41.7		
Surrogate: SURR: Nitrobenzene-d5	18.4		"	25.0		73.8	50.2-113		
Surrogate: SURR: 2-Fluorobiphenyl	18.1		"	25.0		72.2	39.9-105		
Surrogate: SURR: 2,4,6-Tribromophenol	35.8		"	50.0		71.6	39.3-151		
Surrogate: SURR: Terphenyl-d14	18.6		"	25.0		74.5	30.7-106		

Blank (BD11579-BLK2)	Blank								Prepared & Analyzed: 04/29/2021
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	ND	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	0.0700	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 BD11579 - EPA 3510C											
LCS (BD11579-BS1)	LCS								Prepared & Analyzed: 04/29/2021		
1,1-Biphenyl	17.3	5.00	ug/L	25.0		69.0	33-95				
1,2,4,5-Tetrachlorobenzene	14.5	5.00	"	25.0		57.9	26-120				
1,2-Diphenylhydrazine (as Azobenzene)	18.3	5.00	"	25.0		73.0	16-141				
2,3,4,6-Tetrachlorophenol	20.1	5.00	"	25.0		80.3	30-130				
2,4,5-Trichlorophenol	16.2	5.00	"	25.0		65.0	32-114				
2,4,6-Trichlorophenol	16.0	5.00	"	25.0		64.2	35-118				
2,4-Dichlorophenol	15.5	5.00	"	25.0		61.8	25-116				
2,4-Dimethylphenol	16.1	5.00	"	25.0		64.4	15-116				
2,4-Dinitrophenol	12.0	5.00	"	25.0		48.2	10-170				
2,4-Dinitrotoluene	17.2	5.00	"	25.0		68.7	41-128				
2,6-Dinitrotoluene	17.0	5.00	"	25.0		68.0	45-116				
2-Chloronaphthalene	15.2	5.00	"	25.0		60.8	33-112				
2-Chlorophenol	14.9	5.00	"	25.0		59.6	15-120				
2-Methylnaphthalene	17.3	5.00	"	25.0		69.2	24-118				
2-Methylphenol	14.0	5.00	"	25.0		55.9	10-110				
2-Nitroaniline	18.7	5.00	"	25.0		74.9	34-129				
2-Nitrophenol	15.7	5.00	"	25.0		62.7	28-118				
3- & 4-Methylphenols	11.6	5.00	"	25.0		46.4	10-107				
3,3-Dichlorobenzidine	16.8	5.00	"	25.0		67.2	15-187				
3-Nitroaniline	18.3	5.00	"	25.0		73.2	24-134				
4,6-Dinitro-2-methylphenol	15.1	5.00	"	25.0		60.3	10-153				
4-Bromophenyl phenyl ether	14.2	5.00	"	25.0		56.7	34-120				
4-Chloro-3-methylphenol	17.8	5.00	"	25.0		71.3	20-120				
4-Chloroaniline	16.0	5.00	"	25.0		64.0	10-147				
4-Chlorophenyl phenyl ether	15.0	5.00	"	25.0		59.8	27-121				
4-Nitroaniline	17.3	5.00	"	25.0		69.2	13-134				
4-Nitrophenol	8.18	5.00	"	25.0		32.7	10-131				
Acetophenone	19.0	5.00	"	25.0		76.1	25-110				
Aniline	15.2	5.00	"	25.0		60.7	10-117				
Benzaldehyde	20.5	5.00	"	25.0		81.8	29-117				
Benzoic acid	2.60	5.00	"	25.0		10.4	30-130	Low Bias			
Benzyl alcohol	15.0	5.00	"	25.0		60.1	10-117				
Benzyl butyl phthalate	18.4	5.00	"	25.0		73.5	29-133				
Bis(2-chloroethoxy)methane	16.7	5.00	"	25.0		67.0	10-154				
Bis(2-chloroethyl)ether	17.0	5.00	"	25.0		67.9	17-125				
Bis(2-chloroisopropyl)ether	16.8	5.00	"	25.0		67.1	10-139				
Caprolactam	5.18	5.00	"	25.0		20.7	10-137				
Carbazole	17.7	5.00	"	25.0		70.7	42-126				
Dibenzofuran	16.9	5.00	"	25.0		67.4	36-113				
Diethyl phthalate	16.7	5.00	"	25.0		66.9	38-115				
Dimethyl phthalate	16.2	5.00	"	25.0		65.0	38-129				
Di-n-butyl phthalate	18.4	5.00	"	25.0		73.8	31-120				
Di-n-octyl phthalate	21.2	5.00	"	25.0		85.0	21-149				
Diphenylamine	20.8	5.00	"	25.0		83.4	40-140				
Hexachlorocyclopentadiene	13.0	10.0	"	25.0		51.8	10-130				
Isophorone	17.0	5.00	"	25.0		68.0	25-127				
N-nitroso-di-n-propylamine	17.3	5.00	"	25.0		69.3	26-122				
N-Nitrosodiphenylamine	20.4	5.00	"	25.0		81.7	23-149				
Phenol	6.51	5.00	"	25.0		26.0	10-110				
Pyridine	8.71	5.00	"	25.2		34.5	10-90				
Surrogate: SURR: 2-Fluorophenol	17.8		"	50.0		35.6	19.7-63.1				



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
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Batch BD11579 - EPA 3510C

LCS (BD11579-BS1)	LCS	Prepared & Analyzed: 04/29/2021									
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Surrogate: SURR: Phenol-d5	11.8		ug/L	50.0		23.5	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	16.2		"	25.0		64.7	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	15.5		"	25.0		62.1	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	32.9		"	50.0		65.8	39.3-151				
Surrogate: SURR: Terphenyl-d14	17.8		"	25.0		71.3	30.7-106				

LCS (BD11579-BS2)	LCS	Prepared & Analyzed: 04/29/2021									
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Acenaphthene	0.720	0.0500	ug/L	1.00		72.0	25-116				
Acenaphthylene	0.750	0.0500	"	1.00		75.0	26-116				
Anthracene	0.730	0.0500	"	1.00		73.0	25-123				
Benzo(a)anthracene	0.750	0.0500	"	1.00		75.0	33-125				
Benzo(a)pyrene	0.610	0.0500	"	1.00		61.0	32-132				
Benzo(b)fluoranthene	0.720	0.0500	"	1.00		72.0	22-137				
Benzo(g,h,i)perylene	0.830	0.0500	"	1.00		83.0	10-138				
Benzo(k)fluoranthene	0.690	0.0500	"	1.00		69.0	20-137				
Bis(2-ethylhexyl)phthalate	1.27	0.500	"	1.00		127	10-189				
Chrysene	0.800	0.0500	"	1.00		80.0	32-124				
Dibenzo(a,h)anthracene	0.780	0.0500	"	1.00		78.0	16-133				
Fluoranthene	0.810	0.0500	"	1.00		81.0	32-121				
Fluorene	0.780	0.0500	"	1.00		78.0	28-118				
Hexachlorobenzene	0.660	0.0200	"	1.00		66.0	23-124				
Hexachlorobutadiene	0.670	0.500	"	1.00		67.0	15-123				
Hexachloroethane	0.600	0.500	"	1.00		60.0	18-115				
Indeno(1,2,3-cd)pyrene	0.760	0.0500	"	1.00		76.0	15-135				
Naphthalene	0.680	0.0500	"	1.00		68.0	18-120				
Nitrobenzene	0.650	0.250	"	1.00		65.0	21-121				
N-Nitrosodimethylamine	ND	0.500	"	1.00			10-124	Low Bias			
Pentachlorophenol	0.530	0.250	"	1.00		53.0	10-156				
Phenanthrene	0.790	0.0500	"	1.00		79.0	24-127				
Pyrene	0.780	0.0500	"	1.00		78.0	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 BD11579 - EPA 3510C											
LCS Dup (BD11579-BSD1)	LCS Dup		Prepared & Analyzed: 04/29/2021								
1,1-Biphenyl	17.4	5.00	ug/L	25.0		69.6	33-95		0.865	20	
1,2,4,5-Tetrachlorobenzene	14.3	5.00	"	25.0		57.3	26-120		1.04	20	
1,2-Diphenylhydrazine (as Azobenzene)	18.2	5.00	"	25.0		73.0	16-141		0.0548	20	
2,3,4,6-Tetrachlorophenol	19.6	5.00	"	25.0		78.3	30-130		2.57	20	
2,4,5-Trichlorophenol	16.1	5.00	"	25.0		64.5	32-114		0.742	20	
2,4,6-Trichlorophenol	16.2	5.00	"	25.0		64.8	35-118		0.992	20	
2,4-Dichlorophenol	14.9	5.00	"	25.0		59.6	25-116		3.69	20	
2,4-Dimethylphenol	16.1	5.00	"	25.0		64.6	15-116		0.248	20	
2,4-Dinitrophenol	14.3	5.00	"	25.0		57.4	10-170		17.4	20	
2,4-Dinitrotoluene	17.4	5.00	"	25.0		69.8	41-128		1.62	20	
2,6-Dinitrotoluene	17.3	5.00	"	25.0		69.2	45-116		1.75	20	
2-Chloronaphthalene	15.0	5.00	"	25.0		59.8	33-112		1.59	20	
2-Chlorophenol	14.7	5.00	"	25.0		58.7	15-120		1.55	20	
2-Methylnaphthalene	16.4	5.00	"	25.0		65.7	24-118		5.22	20	
2-Methylphenol	14.2	5.00	"	25.0		56.7	10-110		1.35	20	
2-Nitroaniline	18.9	5.00	"	25.0		75.5	34-129		0.798	20	
2-Nitrophenol	15.7	5.00	"	25.0		62.8	28-118		0.255	20	
3- & 4-Methylphenols	11.5	5.00	"	25.0		46.0	10-107		0.779	20	
3,3-Dichlorobenzidine	18.7	5.00	"	25.0		74.7	15-187		10.6	20	
3-Nitroaniline	17.8	5.00	"	25.0		71.2	24-134		2.77	20	
4,6-Dinitro-2-methylphenol	15.0	5.00	"	25.0		60.2	10-153		0.199	20	
4-Bromophenyl phenyl ether	14.1	5.00	"	25.0		56.4	34-120		0.637	20	
4-Chloro-3-methylphenol	17.1	5.00	"	25.0		68.5	20-120		4.00	20	
4-Chloroaniline	14.5	5.00	"	25.0		58.2	10-147		9.56	20	
4-Chlorophenyl phenyl ether	14.8	5.00	"	25.0		59.1	27-121		1.28	20	
4-Nitroaniline	18.7	5.00	"	25.0		74.9	13-134		7.94	20	
4-Nitrophenol	8.84	5.00	"	25.0		35.4	10-131		7.76	20	
Acetophenone	18.7	5.00	"	25.0		74.9	25-110		1.64	20	
Aniline	14.8	5.00	"	25.0		59.0	10-117		2.81	20	
Benzaldehyde	20.1	5.00	"	25.0		80.4	29-117		1.78	20	
Benzoic acid	2.96	5.00	"	25.0		11.8	30-130	Low Bias	12.9	20	
Benzyl alcohol	15.0	5.00	"	25.0		60.1	10-117		0.00	20	
Benzyl butyl phthalate	18.5	5.00	"	25.0		74.1	29-133		0.813	20	
Bis(2-chloroethoxy)methane	16.1	5.00	"	25.0		64.4	10-154		3.84	20	
Bis(2-chloroethyl)ether	16.4	5.00	"	25.0		65.4	17-125		3.72	20	
Bis(2-chloroisopropyl)ether	16.2	5.00	"	25.0		64.9	10-139		3.33	20	
Caprolactam	4.69	5.00	"	25.0		18.8	10-137		9.93	20	
Carbazole	17.6	5.00	"	25.0		70.6	42-126		0.227	20	
Dibenzofuran	16.8	5.00	"	25.0		67.4	36-113		0.119	20	
Diethyl phthalate	16.9	5.00	"	25.0		67.6	38-115		1.01	20	
Dimethyl phthalate	16.6	5.00	"	25.0		66.2	38-129		1.89	20	
Di-n-butyl phthalate	17.7	5.00	"	25.0		70.7	31-120		4.26	20	
Di-n-octyl phthalate	21.4	5.00	"	25.0		85.4	21-149		0.469	20	
Diphenylamine	20.2	5.00	"	25.0		81.0	40-140		2.92	20	
Hexachlorocyclopentadiene	12.9	10.0	"	25.0		51.6	10-130		0.387	20	
Isophorone	16.5	5.00	"	25.0		65.9	25-127		3.17	20	
N-nitroso-di-n-propylamine	17.0	5.00	"	25.0		67.9	26-122		2.04	20	
N-Nitrosodiphenylamine	20.0	5.00	"	25.0		80.2	23-149		1.83	20	
Phenol	6.00	5.00	"	25.0		24.0	10-110		8.15	20	
Pyridine	7.90	5.00	"	25.2		31.3	10-90		9.75	20	
Surrogate: SURR: 2-Fluorophenol	16.4		"	50.0		32.8	19.7-63.1				



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
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Batch BD11579 - EPA 3510C

LCS Dup (BD11579-BSD1) LCS Dup

Prepared & Analyzed: 04/29/2021

Surrogate: SURR: Phenol-d5	11.0		ug/L	50.0		22.0	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	15.5		"	25.0		62.0	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	15.4		"	25.0		61.6	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	31.5		"	50.0		63.1	39.3-151				
Surrogate: SURR: Terphenyl-d14	17.3		"	25.0		69.3	30.7-106				



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
21D1068-01	TMW05_042221	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
21D1068-02	TMW04_042221	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
21D1068-03	GWDUP01_042221	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
21D1068-04	TB01_042221	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-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
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.
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.
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).
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.

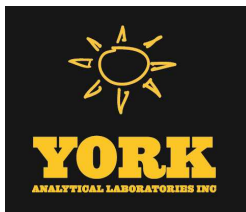
If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

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.



Technical Report

prepared for:

Langan Engineering & Environmental Services (NYC)

21 Penn Plaza, 360 West 31st Street

New York NY, 10001

Attention: Paul McMahon

Report Date: 04/30/2021

Client Project ID: 170655401

York Project (SDG) No.: 21D1144



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: 04/30/2021
Client Project ID: 170655401
York Project (SDG) No.: 21D1144

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Paul McMahon

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 April 23, 2021 and listed below. The project was identified as your project: **170655401**.

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>
21D1144-01	SG02_042321	Soil Vapor	04/23/2021	04/23/2021

General Notes for York Project (SDG) No.: 21D1144

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:



Benjamin Gulizia
Laboratory Director

Date: 04/30/2021





Sample Information

Client Sample ID: SG02_042321

York Sample ID: 21D1144-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1144

170655401

Soil Vapor

April 23, 2021 10:02 am

04/23/2021

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	1.1	1.62	EPA TO-15 Certifications:	04/28/2021 14:16	04/29/2021 13:41	LJ
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.88	1.62	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/28/2021 14:16	04/29/2021 13:41	LJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	1.1	1.62	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/28/2021 14:16	04/29/2021 13:41	LJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	1.2	1.62	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/28/2021 14:16	04/29/2021 13:41	LJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.88	1.62	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/28/2021 14:16	04/29/2021 13:41	LJ
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.66	1.62	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/28/2021 14:16	04/29/2021 13:41	LJ
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.16	1.62	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/28/2021 14:16	04/29/2021 13:41	LJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	1.2	1.62	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/28/2021 14:16	04/29/2021 13:41	LJ
95-63-6	1,2,4-Trimethylbenzene	7.4		ug/m ³	0.80	1.62	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/28/2021 14:16	04/29/2021 13:41	LJ
106-93-4	1,2-Dibromoethane	ND		ug/m ³	1.2	1.62	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/28/2021 14:16	04/29/2021 13:41	LJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.97	1.62	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/28/2021 14:16	04/29/2021 13:41	LJ
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.66	1.62	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/28/2021 14:16	04/29/2021 13:41	LJ
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.75	1.62	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/28/2021 14:16	04/29/2021 13:41	LJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	1.1	1.62	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/28/2021 14:16	04/29/2021 13:41	LJ
108-67-8	1,3,5-Trimethylbenzene	1.8		ug/m ³	0.80	1.62	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/28/2021 14:16	04/29/2021 13:41	LJ
106-99-0	1,3-Butadiene	1.8		ug/m ³	1.1	1.62	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/28/2021 14:16	04/29/2021 13:41	LJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.97	1.62	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/28/2021 14:16	04/29/2021 13:41	LJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.75	1.62	EPA TO-15 Certifications:	04/28/2021 14:16	04/29/2021 13:41	LJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.97	1.62	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/28/2021 14:16	04/29/2021 13:41	LJ
123-91-1	1,4-Dioxane	ND		ug/m ³	1.2	1.62	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/28/2021 14:16	04/29/2021 13:41	LJ
78-93-3	2-Butanone	2.2		ug/m ³	0.48	1.62	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/28/2021 14:16	04/29/2021 13:41	LJ



Sample Information

Client Sample ID: SG02_042321

York Sample ID: 21D1144-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1144

170655401

Soil Vapor

April 23, 2021 10:02 am

04/23/2021

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
591-78-6	* 2-Hexanone	ND		ug/m ³	1.3	1.62	EPA TO-15 Certifications:	04/28/2021 14:16	04/29/2021 13:41	LJ
107-05-1	3-Chloropropene	ND		ug/m ³	2.5	1.62	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/28/2021 14:16	04/29/2021 13:41	LJ
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.66	1.62	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/28/2021 14:16	04/29/2021 13:41	LJ
67-64-1	Acetone	15		ug/m ³	0.77	1.62	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/28/2021 14:16	04/29/2021 13:41	LJ
107-13-1	Acrylonitrile	ND		ug/m ³	0.35	1.62	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/28/2021 14:16	04/29/2021 13:41	LJ
71-43-2	Benzene	6.4		ug/m ³	0.52	1.62	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/28/2021 14:16	04/29/2021 13:41	LJ
100-44-7	Benzyl chloride	ND		ug/m ³	0.84	1.62	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/28/2021 14:16	04/29/2021 13:41	LJ
75-27-4	Bromodichloromethane	ND		ug/m ³	1.1	1.62	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/28/2021 14:16	04/29/2021 13:41	LJ
75-25-2	Bromoform	ND		ug/m ³	1.7	1.62	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/28/2021 14:16	04/29/2021 13:41	LJ
74-83-9	Bromomethane	ND		ug/m ³	0.63	1.62	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/28/2021 14:16	04/29/2021 13:41	LJ
75-15-0	Carbon disulfide	1.5		ug/m ³	0.50	1.62	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/28/2021 14:16	04/29/2021 13:41	LJ
56-23-5	Carbon tetrachloride	0.71		ug/m ³	0.25	1.62	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/28/2021 14:16	04/29/2021 13:41	LJ
108-90-7	Chlorobenzene	ND		ug/m ³	0.75	1.62	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/28/2021 14:16	04/29/2021 13:41	LJ
75-00-3	Chloroethane	ND		ug/m ³	0.43	1.62	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/28/2021 14:16	04/29/2021 13:41	LJ
67-66-3	Chloroform	160		ug/m ³	0.79	1.62	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/28/2021 14:16	04/29/2021 13:41	LJ
74-87-3	Chloromethane	ND		ug/m ³	0.33	1.62	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/28/2021 14:16	04/29/2021 13:41	LJ
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.16	1.62	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/28/2021 14:16	04/29/2021 13:41	LJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.74	1.62	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/28/2021 14:16	04/29/2021 13:41	LJ
110-82-7	Cyclohexane	9.3		ug/m ³	0.56	1.62	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/28/2021 14:16	04/29/2021 13:41	LJ
124-48-1	Dibromochloromethane	ND		ug/m ³	1.4	1.62	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/28/2021 14:16	04/29/2021 13:41	LJ
75-71-8	Dichlorodifluoromethane	1.9		ug/m ³	0.80	1.62	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/28/2021 14:16	04/29/2021 13:41	LJ
141-78-6	* Ethyl acetate	ND		ug/m ³	1.2	1.62	EPA TO-15 Certifications:	04/28/2021 14:16	04/29/2021 13:41	LJ



Sample Information

Client Sample ID: SG02_042321

York Sample ID: 21D1144-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21D1144

170655401

Soil Vapor

April 23, 2021 10:02 am

04/23/2021

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
100-41-4	Ethyl Benzene	5.5		ug/m ³	0.70	1.62	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/28/2021 14:16	04/29/2021 13:41	LJ
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.7	1.62	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/28/2021 14:16	04/29/2021 13:41	LJ
67-63-0	Isopropanol	2.8	TO-CC V, TO-LC S-L	ug/m ³	0.80	1.62	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/28/2021 14:16	04/29/2021 13:41	LJ
80-62-6	Methyl Methacrylate	7.2		ug/m ³	0.66	1.62	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/28/2021 14:16	04/29/2021 13:41	LJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.58	1.62	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/28/2021 14:16	04/29/2021 13:41	LJ
75-09-2	Methylene chloride	26		ug/m ³	1.1	1.62	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/28/2021 14:16	04/29/2021 13:41	LJ
142-82-5	n-Heptane	96		ug/m ³	0.66	1.62	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/28/2021 14:16	04/29/2021 13:41	LJ
110-54-3	n-Hexane	110		ug/m ³	0.57	1.62	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/28/2021 14:16	04/29/2021 13:41	LJ
95-47-6	o-Xylene	6.2		ug/m ³	0.70	1.62	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/28/2021 14:16	04/29/2021 13:41	LJ
179601-23-1	p- & m- Xylenes	19		ug/m ³	1.4	1.62	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/28/2021 14:16	04/29/2021 13:41	LJ
622-96-8	* p-Ethyltoluene	10		ug/m ³	0.80	1.62	EPA TO-15 Certifications:	04/28/2021 14:16	04/29/2021 13:41	LJ
115-07-1	* Propylene	ND		ug/m ³	0.28	1.62	EPA TO-15 Certifications:	04/28/2021 14:16	04/29/2021 13:41	LJ
100-42-5	Styrene	2.3		ug/m ³	0.69	1.62	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/28/2021 14:16	04/29/2021 13:41	LJ
127-18-4	Tetrachloroethylene	53		ug/m ³	1.1	1.62	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/28/2021 14:16	04/29/2021 13:41	LJ
109-99-9	* Tetrahydrofuran	ND		ug/m ³	0.96	1.62	EPA TO-15 Certifications:	04/28/2021 14:16	04/29/2021 13:41	LJ
108-88-3	Toluene	15		ug/m ³	0.61	1.62	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/28/2021 14:16	04/29/2021 13:41	LJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.64	1.62	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/28/2021 14:16	04/29/2021 13:41	LJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.74	1.62	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/28/2021 14:16	04/29/2021 13:41	LJ
79-01-6	Trichloroethylene	0.52		ug/m ³	0.22	1.62	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/28/2021 14:16	04/29/2021 13:41	LJ
75-69-4	Trichlorofluoromethane (Freon 11)	1.2		ug/m ³	0.91	1.62	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/28/2021 14:16	04/29/2021 13:41	LJ
108-05-4	Vinyl acetate	ND		ug/m ³	0.57	1.62	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/28/2021 14:16	04/29/2021 13:41	LJ



Sample Information

Client Sample ID: SG02_042321

York Sample ID: 21D1144-01

York Project (SDG) No.

21D1144

Client Project ID

170655401

Matrix

Soil Vapor

Collection Date/Time

April 23, 2021 10:02 am

Date Received

04/23/2021

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
593-60-2	Vinyl bromide	ND		ug/m ³	0.71	1.62	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/28/2021 14:16	04/29/2021 13:41	LJ
75-01-4	Vinyl Chloride	ND		ug/m ³	0.21	1.62	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/28/2021 14:16	04/29/2021 13:41	LJ



Analytical Batch Summary

Batch ID: BD11567

Preparation Method: EPA TO15 PREP

Prepared By: LJ

YORK Sample ID	Client Sample ID	Preparation Date
21D1144-01	SG02_042321	04/28/21
BD11567-BLK1	Blank	04/28/21
BD11567-BS1	LCS	04/28/21
BD11567-DUP1	Duplicate	04/28/21



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 BD11567 - EPA TO15 PREP											
Blank (BD11567-BLK1)	Blank								Prepared & Analyzed: 04/28/2021		
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	ND	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
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Batch BD11567 - EPA TO15 PREP

Blank (BD11567-BLK1)	Blank										Prepared & Analyzed: 04/28/2021
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 (BD11567-BS1)	LCS										Prepared & Analyzed: 04/28/2021
1,1,1,2-Tetrachloroethane	10.6		ppbv	10.0		106	70-130				
1,1,1-Trichloroethane	9.75		"	10.0		97.5	70-130				
1,1,2,2-Tetrachloroethane	10.7		"	10.0		107	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.3		"	10.0		103	70-130				
1,1,2-Trichloroethane	11.2		"	10.0		112	70-130				
1,1-Dichloroethane	9.83		"	10.0		98.3	70-130				
1,1-Dichloroethylene	10.1		"	10.0		101	70-130				
1,2,4-Trichlorobenzene	11.9		"	10.0		119	70-130				
1,2,4-Trimethylbenzene	11.6		"	10.0		116	70-130				
1,2-Dibromoethane	11.4		"	10.0		114	70-130				
1,2-Dichlorobenzene	10.3		"	10.0		103	70-130				
1,2-Dichloroethane	9.63		"	10.0		96.3	70-130				
1,2-Dichloropropane	12.1		"	10.0		121	70-130				
1,2-Dichlorotetrafluoroethane	9.97		"	10.0		99.7	70-130				
1,3,5-Trimethylbenzene	11.3		"	10.0		113	70-130				
1,3-Butadiene	9.23		"	10.0		92.3	70-130				
1,3-Dichlorobenzene	10.7		"	10.0		107	70-130				
1,3-Dichloropropane	11.3		"	10.0		113	70-130				
1,4-Dichlorobenzene	11.0		"	10.0		110	70-130				
1,4-Dioxane	10.8		"	10.0		108	70-130				
2-Butanone	11.0		"	10.0		110	70-130				
2-Hexanone	12.7		"	10.0		127	70-130				
3-Chloropropene	11.8		"	10.0		118	70-130				
4-Methyl-2-pentanone	12.2		"	10.0		122	70-130				
Acetone	8.90		"	10.0		89.0	70-130				
Acrylonitrile	11.3		"	10.0		113	70-130				
Benzene	10.4		"	10.0		104	70-130				
Benzyl chloride	10.0		"	10.0		100	70-130				
Bromodichloromethane	10.6		"	10.0		106	70-130				
Bromoform	11.0		"	10.0		110	70-130				
Bromomethane	12.0		"	10.0		120	70-130				
Carbon disulfide	10.1		"	10.0		101	70-130				
Carbon tetrachloride	9.05		"	10.0		90.5	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
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Batch BD11567 - EPA TO15 PREP

LCS (BD11567-BS1)	LCS	Prepared & Analyzed: 04/28/2021									
Chlorobenzene	10.5		ppbv	10.0		105	70-130				
Chloroethane	11.3		"	10.0		113	70-130				
Chloroform	10.1		"	10.0		101	70-130				
Chloromethane	8.93		"	10.0		89.3	70-130				
cis-1,2-Dichloroethylene	9.95		"	10.0		99.5	70-130				
cis-1,3-Dichloropropylene	12.5		"	10.0		125	70-130				
Cyclohexane	12.2		"	10.0		122	70-130				
Dibromochloromethane	11.0		"	10.0		110	70-130				
Dichlorodifluoromethane	9.59		"	10.0		95.9	70-130				
Ethyl acetate	11.3		"	10.0		113	70-130				
Ethyl Benzene	11.2		"	10.0		112	70-130				
Hexachlorobutadiene	8.79		"	10.0		87.9	70-130				
Isopropanol	2.44		"	10.0		24.4	70-130	Low Bias			
Methyl Methacrylate	12.8		"	10.0		128	70-130				
Methyl tert-butyl ether (MTBE)	10.8		"	10.0		108	70-130				
Methylene chloride	9.72		"	10.0		97.2	70-130				
n-Heptane	12.1		"	10.0		121	70-130				
n-Hexane	9.90		"	10.0		99.0	70-130				
o-Xylene	12.0		"	10.0		120	70-130				
p- & m- Xylenes	22.2		"	20.0		111	70-130				
p-Ethyltoluene	11.9		"	10.0		119	70-130				
Propylene	10.7		"	10.0		107	70-130				
Styrene	12.4		"	10.0		124	70-130				
Tetrachloroethylene	10.3		"	10.0		103	70-130				
Tetrahydrofuran	11.1		"	10.0		111	70-130				
Toluene	10.0		"	10.0		100	70-130				
trans-1,2-Dichloroethylene	10.6		"	10.0		106	70-130				
trans-1,3-Dichloropropylene	12.1		"	10.0		121	70-130				
Trichloroethylene	10.3		"	10.0		103	70-130				
Trichlorofluoromethane (Freon 11)	9.49		"	10.0		94.9	70-130				
Vinyl acetate	11.4		"	10.0		114	70-130				
Vinyl bromide	11.2		"	10.0		112	70-130				
Vinyl Chloride	8.44		"	10.0		84.4	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 BD11567 - EPA TO15 PREP											
Duplicate (BD11567-DUP1)	Duplicate	*Source sample: 21D1142-01 (Duplicate)						Prepared & Analyzed: 04/28/2021			
1,1,1,2-Tetrachloroethane	ND	1.2	ug/m ³		ND					25	
1,1,1-Trichloroethane	ND	0.95	"		ND					25	
1,1,2,2-Tetrachloroethane	ND	1.2	"		ND					25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.3	"		ND					25	
1,1,2-Trichloroethane	ND	0.95	"		ND					25	
1,1-Dichloroethane	ND	0.70	"		ND					25	
1,1-Dichloroethylene	ND	0.17	"		ND					25	
1,2,4-Trichlorobenzene	ND	1.3	"		1.0					25	
1,2,4-Trimethylbenzene	14	0.86	"		15				7.23	25	
1,2-Dibromoethane	ND	1.3	"		ND					25	
1,2-Dichlorobenzene	ND	1.0	"		ND					25	
1,2-Dichloroethane	ND	0.70	"		ND					25	
1,2-Dichloropropane	ND	0.80	"		ND					25	
1,2-Dichlorotetrafluoroethane	ND	1.2	"		ND					25	
1,3,5-Trimethylbenzene	3.8	0.86	"		4.0				4.35	25	
1,3-Butadiene	4.5	1.2	"		4.5				0.00	25	
1,3-Dichlorobenzene	ND	1.0	"		ND					25	
1,3-Dichloropropane	ND	0.80	"		ND					25	
1,4-Dichlorobenzene	ND	1.0	"		ND					25	
1,4-Dioxane	ND	1.3	"		ND					25	
2-Butanone	22	0.51	"		22				0.935	25	
2-Hexanone	ND	1.4	"		ND					25	
3-Chloropropene	ND	2.7	"		ND					25	
4-Methyl-2-pentanone	ND	0.71	"		ND					25	
Acetone	160	0.83	"		170				6.90	25	
Acrylonitrile	ND	0.38	"		ND					25	
Benzene	9.3	0.56	"		9.4				1.78	25	
Benzyl chloride	ND	0.90	"		ND					25	
Bromodichloromethane	ND	1.2	"		ND					25	
Bromoform	ND	1.8	"		ND					25	
Bromomethane	ND	0.68	"		ND					25	
Carbon disulfide	2.7	0.54	"		2.7				0.00	25	
Carbon tetrachloride	ND	0.27	"		ND					25	
Chlorobenzene	ND	0.80	"		ND					25	
Chloroethane	ND	0.46	"		ND					25	
Chloroform	1.5	0.85	"		1.7				10.5	25	
Chloromethane	1.4	0.36	"		1.3				5.41	25	
cis-1,2-Dichloroethylene	ND	0.17	"		ND					25	
cis-1,3-Dichloropropylene	ND	0.79	"		ND					25	
Cyclohexane	9.8	0.60	"		9.4				3.75	25	
Dibromochloromethane	ND	1.5	"		ND					25	
Dichlorodifluoromethane	1.0	0.86	"		1.1				8.00	25	
Ethyl acetate	ND	1.3	"		ND					25	
Ethyl Benzene	15	0.76	"		15				0.494	25	
Hexachlorobutadiene	ND	1.9	"		ND					25	
Isopropanol	11	0.86	"		11				3.59	25	
Methyl Methacrylate	ND	0.71	"		ND					25	
Methyl tert-butyl ether (MTBE)	ND	0.63	"		ND					25	
Methylene chloride	2.7	1.2	"		2.8				4.44	25	
n-Heptane	34	0.71	"		35				3.35	25	
n-Hexane	42	0.61	"		42				0.00	25	



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

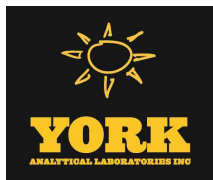
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BD11567 - EPA TO15 PREP

Duplicate (BD11567-DUP1)	Duplicate	*Source sample: 21D1142-01 (Duplicate)				Prepared & Analyzed: 04/28/2021					
o-Xylene	18	0.76	ug/m ³	19					2.84	25	
p- & m- Xylenes	53	1.5	"	53					0.858	25	
p-Ethyltoluene	20	0.86	"	21					5.96	25	
Propylene	100	0.30	"	95					8.26	25	
Styrene	7.4	0.74	"	7.3					1.01	25	
Tetrachloroethylene	61	1.2	"	66					7.27	25	
Tetrahydrofuran	ND	1.0	"	ND						25	
Toluene	47	0.66	"	49					3.96	25	
trans-1,2-Dichloroethylene	ND	0.69	"	ND						25	
trans-1,3-Dichloropropylene	ND	0.79	"	ND						25	
Trichloroethylene	ND	0.23	"	ND						25	
Trichlorofluoromethane (Freon 11)	ND	0.98	"	ND						25	
Vinyl acetate	ND	0.61	"	ND						25	
Vinyl bromide	ND	0.76	"	ND						25	
Vinyl Chloride	ND	0.22	"	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 70% 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).

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.
