

659 EAST 222ND STREET

BRONX, NEW YORK

Remedial Investigation Report

OER Project Number: 20TMP0835X

E-Designation E-279

CEQR Number 11DCP148X

Prepared for:

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July/2020

REMEDIAL INVESTIGATION REPORT

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LIST OF ACRONYMS

Acronym	Definition
AOC	Area of Concern
CAMP	Community Air Monitoring Plan
COC	Contaminant of Concern
CPP	Citizen Participation Plan
CSM	Conceptual Site Model
DER-10	New York State Department of Environmental Conservation Technical Guide 10
FID	Flame Ionization Detector
GPS	Global Positioning System
HASP	Health and Safety Plan
HAZWOPER	Hazardous Waste Operations and Emergency Response
IRM	Interim Remedial Measure
NAPL	Non-aqueous Phase Liquid
NYC VCP	New York City Voluntary Cleanup Program
NYC DOHMH	New York City Department of Health and Mental Hygiene
NYC OER	New York City Office of Environmental Remediation
NYS DOH ELAP	New York State Department of Health Environmental Laboratory Accreditation Program
OSHA	Occupational Safety and Health Administration
PID	Photoionization Detector
QEP	Qualified Environmental Professional
RI	Remedial Investigation
RIR	Remedial Investigation Report
SCO	Soil Cleanup Objective
SPEED	Searchable Property Environmental Electronic Database

CERTIFICATION

I, James P. Cinelli, P.E., BCEE, am a Qualified Environmental Professional, as defined in RCNY § 43-1402(ar). I have primary direct responsibility for implementation of the Remedial Investigation for the 659 East 222nd Street Site (OER Project No. 20TMP0835X). I am responsible for the content of this Remedial Investigation Report (RIR), have reviewed its contents and certify that this RIR is accurate to the best of my knowledge and contains all available environmental information and data regarding the property.

James P. Cinelli, P.E., BCEE

July 6, 2020



Qualified Environmental Professional

Date

Signature

EXECUTIVE SUMMARY

The Remedial Investigation Report (RIR) provides sufficient information for establishment of remedial action objectives, evaluation of remedial action alternatives, and selection of a remedy pursuant to RCNY§ 43-1407(f). The remedial investigation (RI) described in this document is consistent with applicable guidance.

Site Location and Current Usage

The Site is located at 659 East 222nd Street in the Wakefield neighborhood in the Borough of the Bronx, New York and is identified as Block 4824 and Lot 25 on the New York City Tax Map (“Site”). The Site is 2,449 square feet and is bounded by residential properties to the north, east, and west, and East 222nd Street to the south. Residential properties and a church are located beyond East 222nd Street to the south. Currently, the Site is used for parking and consists of an asphalt lot with a small shed.

Summary of Proposed Redevelopment Plan

The proposed future use of the Site will consist of a new 10-family four-story residential building with an outdoor recreation area and a shed. The building will not contain a basement and the footprint will cover the southern 1,622 square feet of the property. The total square footage of the building is planned to be 6,488 square feet. As part of the foundation construction, an excavation of the building footprint is planned to a depth of 4 feet bgs. The exterior portions of the property will consist of 878 square feet rear yard that will be hardscaped. As part of the construction, the building footprint will be excavated to a depth of four feet below ground surface (bgs). No excavation is planned for the rear yard. Groundwater is not expected to be encountered during the excavation. The planned excavation will consist of the removal of approximately 360 tons of soil. The current zoning designation is R6 which is described as a residential district. The proposed use is consistent with existing zoning for the property.

Summary of Past Uses of Site and Areas of Concern

Liberty conducted a review of current and historical deeds for the subject property, in order to trace the historical ownership of the property. The review of deeds indicated that the property is owned by 659 E 222 Street LLC. According to the site contact interview, deed records, historical maps, and historical aerial photographs reviewed in the prior Phase I Environmental Site Assessment (ESA) completed by Liberty in December 2019, the subject property has

operated as a parking lot since prior to 1951. Prior to 1951, the subject property appeared to have been undeveloped land. Past uses of the Site other than parking are unknown. A summary of the deed ownership for the site is presented in the table below.

DATE	DOCUMENT ID		GRANTOR	GRANTEE
8/7/2019	2019082000552001		Cerchiara Realty, Inc.	659 E 222 Street LLC
12/13/2003	2004021200622001		Francesco Gallo	Cerchiara Realty, Inc.
9/4/1998	Reel 1575	Page 1089	Gary Lloyd	Francesco Gallo
8/18/1988	Reel 864	Page 1905	Mary Emanuele	Gary Lloyd
8/13/1968	Reel 387	Page 288	Lucy Veteri	Mary Emanuele
<i>End of Traceable Deed</i>				

No Recognized Environmental Conditions (RECs) were identified at the Site as part of the Phase I ESA.

Summary of the Work Performed under the Remedial Investigation

Liberty performed the following scope of work:

1. Conducted a geophysical survey in order to identify subsurface features and to clear soil boring locations;
2. Installed four soil borings across the entire project Site, and collected eight soil samples for chemical analysis from the soil borings to evaluate soil quality;
3. Installed three temporary groundwater well points throughout the Site to establish groundwater flow and collected three groundwater samples for chemical analysis to evaluate groundwater quality; and
4. Installed four soil vapor probes around the Site perimeter and collected four samples for chemical analysis.

Summary of Environmental Findings

1. Elevation of the property is approximately 130 feet above mean sea level.
2. Depth to groundwater ranges from 9.63 to 10.68 feet bgs at the Site.
3. Groundwater flow is generally from southeast to northwest beneath the Site.
4. Bedrock was encountered at 18 feet bgs in SB-1, at 14 feet bgs in SB-2, at 16 feet bgs in SB-3, and was not encountered in SB-4. The final depth of SB-4 was 15 feet bgs.

5. The majority of the soil encountered in the soil borings consisted of brown to light brown sandy silt. No indications of historic fill material were identified in the soil borings. Additionally, no odors, stains, or significant PID readings were encountered as part of the soil boring investigation. Saturated soils were identified at depths from 12 to 13 feet bgs. According to the United States Geologic Survey (USGS) online Geological Spatial Data, the subject property is underlain by the Manhattan Formation. The Manhattan Formation is generally described as Ordovician-aged amphibolite, gneiss, and pelitic-schist. According to the United States Department of Agriculture (USDA) Natural Resources Conservation Service (NCRS) Web Soil Survey online database, the subject property is mapped as Urban land-Greenbelt complex (UGB) with 3 to 8 percent slopes. Urban land indicates areas where the native soil horizon has been altered through filling, excavating, or construction.
6. Soil samples were collected during the investigation and results were compared to the NYCRR Part 375 Soil Cleanup Objectives (SCOs) for Unrestricted (UUSCO) and Residential Use SCOs (RUSCO):
 - a. One metal lead was detected above UUSCO at a concentration of 68.50 mg/kg but is below the RUSCOs.
 - b. The remaining analyses showed no exceedances of the NYSDEC UUSCOs for VOCs, SVOCs, Pesticides, PCBs, and metals
7. Groundwater sample analytical data from samples collected during the RI was compared to New York State 6 NYCRR Part 703.5 Class GA groundwater quality standards (GQS) and results showed:
 - a. Once dissolved metal was found above GSQ, manganese at a concentration of 381 µg/L.
 - b. The VOCs 1,2,3-trichloropropane, 1,2-dibromo-3-chloropropane, 1,2-dibromoethane, 2,4,5-trichlorophenol, 2,4,6-trichlorophenol, 2-chlorophenol, 2-methylphenol, 2-nitrophenol, 4-chloro-3-methylphenol, 4-nitrophenol, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, bis(2-chloroethyl)ether, chrysene, hexachlorobutadiene, the SVOCs indeno(1,2,3-cd)pyrene, phenol, and the Pesticides alpha-BHC, total chlordane, dieldrin, and toxaphene were identified below their respective

laboratory method detection limits (MDLs). However, the MDLs for these compounds were found to be above their respective NYSDEC TOGS Standards and Guidance. York indicated that either the lower MDLs are not achievable with commercial laboratory methods or that higher MDLs were reported due to laboratory dilution.

8. Soil vapor results from four samples were compared to the indoor Air Guideline Values (AGVs) as presented in the New York State Department of Health (NYSDOH) Final Guidance for Evaluating Soil Vapor Intrusion, dated October 2006 (updated May 2017). Results found minimal levels of Petroleum related vapors (BTEX) with the max total level being $111 \mu\text{g}/\text{m}^3$. The chlorinated VOCs Carbon tetrachloride ($0.76 \mu\text{g}/\text{m}^3$), TCE ($0.69 \mu\text{g}/\text{m}^3$) and PCE ($7.20 \mu\text{g}/\text{m}^3$) were detected below their mitigation levels outlined by NYSDOH guidance.

REMEDIAL INVESTIGATION REPORT

1.0 SITE BACKGROUND

This Remedial Investigation Report has been developed for the site located at 659 East 222nd Street. The site is located in the Wakefield neighborhood. Residential use is proposed for the property. The RI work was performed on April 15, 2020. This RIR summarizes the nature and extent of contamination and provides sufficient information for establishment of remedial action objectives, evaluation of remedial action alternatives, and selection of a remedy that is protective of human health and the environment consistent with the use of the property pursuant to RCNY§ 43-1407(f).

1.1 Site Location and Current Usage

The Site is located at 659 East 222nd Street in the Wakefield neighborhood in the Borough of the Bronx, New York and is identified as Block 4824 and Lot 25 on the New York City Tax Map (“Site”). Figure 1 shows the Site location. The Site is 2,449 square feet and is bounded by residential properties to the north, east, and west, and East 222nd Street to the south. Residential properties and a church are located beyond East 222nd Street to the south. A map of the site boundary is shown in Figure 2. Currently, the Site is used for parking and consists of an asphalt lot with a small shed.

1.2 Proposed Redevelopment Plan

The proposed future use of the Site will consist of a new 10-family four-story residential building with an outdoor recreation area and a shed. The building will not contain a basement and the footprint will cover the southern 1,622 square feet of the property. The total square footage of the building is planned to be 6,488 square feet. As part of the foundation construction, an excavation of the building footprint is planned to a depth of 4 feet bgs. The exterior portions of the property will consist of 878 square feet rear yard that will be hardscaped. As part of the construction, the building footprint will be excavated to a depth of four feet below ground surface (bgs). No excavation is planned for the rear yard. Groundwater is not expected to be encountered during the excavation. The planned excavation will consist of the removal of approximately 360 tons of soil. The current zoning designation is R6 which is described as a residential district. The proposed use is consistent with existing zoning for the property.

1.3 Description of Surrounding Property

The surrounding properties include residential properties to the north, east, west, and south. Additionally, a church is located on one of the adjacent properties to the south. Schools and hospitals were not identified within a 500-foot radius of the subject property. However, My Favorite Place Group Daycare and LaLa Family Group Daycare are located approximately 400 feet to the northeast and southwest of the subject property, respectively. According to OER's on-line Speed database, the subject property is identified in zone R6 which is described as a residential district.

2.0 SITE HISTORY

2.1 Past Uses and Ownership

Liberty conducted a review of current and historical deeds for the subject property, in order to trace the historical ownership of the property. The review of deeds indicated that the property is owned by 659 E 222 Street LLC. According to the site contact interview, deed records, historical maps, and historical aerial photographs reviewed in the prior Phase I Environmental Site Assessment (ESA) completed by Liberty in December 2019, the subject property has operated as a parking lot since prior to 1951. Prior to 1951, the subject property appeared to have been undeveloped land. Past uses of the Site other than parking are unknown. A summary of the deed ownership for the site is presented in the table below.

DATE	DOCUMENT ID		GRANTOR	GRANTEE
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8/13/1968	Reel 387	Page 288	Lucy Veteri	Mary Emanuele
<i>End of Traceable Deed</i>				

2.2 Previous Investigations

A Phase I ESA of the subject property was completed by Liberty on December 11, 2019. No RECs were identified at the subject property. However, the subject property was identified as an NYC E-Designation site. No other previous investigations are known to have been completed at the subject property.

2.3 Areas of Concern

No RECs were identified at the subject property during Liberty's Phase I ESA. The Phase 1 Report is presented in Appendix A.

3.0 PROJECT MANAGEMENT

3.1 Project Organization

The Qualified Environmental Profession (QEP) responsible for preparation of this RIR is James P. Cinelli, P.E., BCEE.

3.2 Health and Safety

All work described in this RIR was performed in full compliance with applicable laws and regulations, including Site and OSHA worker safety requirements and HAZWOPER requirements.

3.3 Materials Management

All material encountered during the RI was managed in accordance with applicable laws and regulations.

4.0 REMEDIAL INVESTIGATION ACTIVITIES

Liberty performed the following scope of work:

1. Conducted a geophysical survey in order to identify subsurface features and to clear soil boring locations;
2. Installed four soil borings across the entire project Site, and collected eight soil samples for chemical analysis from the soil borings to evaluate soil quality;
3. Installed three temporary groundwater well points throughout the Site to establish groundwater flow and collected three groundwater samples for chemical analysis to evaluate groundwater quality; and
4. Installed four soil vapor probes around Site perimeter and collected four samples for chemical analysis.

4.1 Geophysical Investigation

A geophysical survey of the site, which included a combination of electromagnetic (EM) scanning and ground-penetrating radar (GPR) techniques, was conducted in order to detect the presence of metallic and non-metallic subsurface features. No significant features were identified as part of the geophysical survey. The geophysical survey was also used to field-verify the location of subsurface utilities so that the soil borings could be accurately and safely placed.

4.2 Borings and Monitoring Wells

Drilling and Soil Logging

Liberty performed a soil boring investigation at the subject property on April 15, 2020. A track-mounted Geoprobe™ unit supplied by EPhase 2 was used to mechanically advance four soil borings (SB-1 through SB-4) at the site. Borings were advanced to a target depth of 15 feet below ground surface (bgs), a depth suitable to evaluate the condition of native soils below the subject property. Groundwater was identified between 12 and 13 feet bgs. Soil cores were inspected at each boring for evidence of impact and field-screened for volatile organic vapors using a photoionization detector (PID). Refusal was encountered at 18 feet bgs in SB-1, at 14 feet bgs in SB-2, at 16 feet bgs in SB-3, and was not encountered in SB-4. All field observations were logged for documentation purposes.

The majority of the soil encountered in the soil borings consisted of brown to light brown sandy silt. No indications of historic fill material were identified in the soil borings. Additionally, no odors, stains, or significant PID readings were encountered as part of the soil boring investigation. The locations of the soil borings are depicted on Figure 2. Boring logs were prepared by a Liberty field geologist and are provided as Appendix D.

Groundwater Monitoring Well Construction

Temporary well points were constructed by installing one-inch diameter PVC with a 10-foot screened interval into boreholes SB-1, SB-2, and SB-3. Monitor well locations are shown in Figure 2.

Water Level Measurement

Depths to groundwater were measured at each well using a Solinst Interface Meter and a Topcon RL-H5 Lazer Level was used to survey top-of-casing of the temporary well points and ground surface elevations, relative to an arbitrary generic site elevation benchmark. The calculated groundwater elevations and surveyed well elevations were used to determine groundwater flow direction across the site. Water level data is included below and in Figure 3.

Temporary Well ID No.	Date	Groundwater Elevations (Feet)
GW-1	4/14/2020	90.37
GW-2	4/14/2020	89.72
GW-3	4/14/2020	90.31

4.3 Sample Collection and Chemical Analysis

Sampling performed as part of the field investigation was conducted for all Areas of Concern and also considered other means for bias of sampling based on professional judgment, area history, discolored soil, stressed vegetation, drainage patterns, field instrument measurements, odor, or other field indicators. All media including soil, groundwater and soil vapor have been sampled and evaluated in the RIR. Discrete (grab) samples have been used for final delineation of the nature and extent of contamination and to determine the impact of contaminants on public health and the environment. The sampling performed and presented in this RIR provides

sufficient basis for evaluation of remedial action alternatives, establishment of a qualitative human health exposure assessment, and selection of a final remedy.

Soil Sampling

Eight soil samples and one duplicate soil sample were collected for chemical analysis during this RI. Volatile organic compound (VOC) samples were collected by using clean Terra Core samplers while the remaining samples were collected with nitrile gloves. Data on soil sample collection for chemical analyses, including dates of collection and sample depths, is reported in Table 1. Figure 2 shows the location of samples collected in this investigation. Laboratory and analytical methods are shown below.

Groundwater Sampling

Three groundwater samples were collected for chemical analysis during this RI. Groundwater samples were collected with a peristaltic pump with new tubing for each well. Groundwater sample collection data is reported in Table 2. Figure 2 shows the locations of the temporary well points. Laboratory and analytical methods are shown below.

Soil Vapor Sampling

Four soil vapor probes were installed and four soil vapor samples and one duplicate soil vapor sample were collected for chemical analysis during this RI. The soil vapor probes were installed to 2 feet bgs and were installed with Geoprobe ® equipment. Samples were collected in 6-liter Summa canisters for a duration of two hours. The Summa canisters had been certified clean by York Analytical Laboratories and were analyzed for VOCs by using USEPA Method TO-15. Soil vapor sampling locations are shown in Figure 2. Soil vapor sample collection data is reported in Table 3. Soil vapor sampling logs are included in Appendix E. Methodologies used for soil vapor assessment conform to the *NYS DOH Final Guidance on Soil Vapor Intrusion, October 2006*.

Chemical Analysis

Chemical analytical work presented in this RIR has been performed in the following manner:

Factor	Description
Quality Assurance Officer	The chemical analytical quality assurance is directed by York Analytical Laboratories, Inc.
Chemical Analytical Laboratory	Chemical analytical laboratory(s) used in the RI is NYS ELAP certified and was York Analytical Laboratories, Inc.
Chemical Analytical Methods	<p>Soil analytical methods:</p> <ul style="list-style-type: none">• TAL Metals by EPA Method 6010C (rev. 2007);• VOCs by EPA Method 8260C (rev. 2006);• SVOCs by EPA Method 8270D (rev. 2007);• Pesticides by EPA Method 8081B (rev. 2000);• PCBs by EPA Method 8082A (rev. 2000); <p>Groundwater analytical methods:</p> <ul style="list-style-type: none">• TAL Metals by EPA Method 6010C (rev. 2007);• VOCs by EPA Method 8260C (rev. 2006);• SVOCs by EPA Method 8270D (rev. 2007);• Pesticides by EPA Method 8081B (rev. 2000);• PCBs by EPA Method 8082A (rev. 2000); <p>Soil vapor analytical methods:</p> <ul style="list-style-type: none">• VOCs by TO-15 VOC parameters.

Results of Chemical Analyses

Laboratory data for soil, groundwater and soil vapor are summarized in Tables 1, 2, and 3, respectively. Laboratory data deliverables for soil and groundwater samples are provided in Appendix F while the laboratory data deliverables for soil vapor are provided in Appendix G.

5.0 ENVIRONMENTAL EVALUATION

5.1 Geological and Hydrogeological Conditions

Stratigraphy

The majority of the soil encountered in the soil borings consisted of brown to light brown sandy silt. No indications of historic fill material were identified in the soil borings. Additionally, no odors, stains, or significant PID readings were encountered as part of the soil boring investigation. Saturated soils were identified at depths from 12 to 13 feet bgs. Bedrock was encountered at 18 feet bgs in SB-1, at 14 feet bgs in SB-2, at 16 feet bgs in SB-3, and was not encountered in SB-4. According to the United States Geologic Survey (USGS) online Geological Spatial Data, the subject property is underlain by the Manhattan Formation. The Manhattan Formation is generally described as Ordovician-aged amphibolite, gneiss, and pelitic-schist. According to the United States Department of Agriculture (USDA) Natural Resources Conservation Service (NCRS) Web Soil Survey online database, the subject property is mapped as Urban land-Greenbelt complex (UGB) with 3 to 8 percent slopes. Urban land indicates areas where the native soil horizon has been altered through filling, excavating, or construction.

Hydrogeology

The average depth to groundwater is 10.15 feet bgs and range in depth from 9.63 feet bgs to 10.68 feet bgs. A map of groundwater level elevations with groundwater contours and inferred flow lines is shown in Figure 3. Based on the groundwater data, groundwater flow is from southeast to northwest.

5.2 Soil Chemistry

The following exceedance of the NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives (UUSCOs) was identified:

SB-2 @ 1'-2'

Metals

Lead – 68.50 mg/kg

While lead was identified above its respective NYSDEC UUSCO (63 mg/kg), it was detected below its NYSDEC Residential Use Soil Cleanup Objective (RUSCO) (400 mg/kg). The remaining analyses showed no exceedances of the NYSDEC UUSCOs for VOCs, SVOCs, Pesticides, PCBs, and metals.

Data collected during the RI is sufficient to delineate the vertical and horizontal distribution of contaminants in soil/fill at the Site. A summary table of data for chemical analyses performed on soil samples is included in Table 1. Figure 2 shows the sample locations.

5.3 Groundwater Chemistry

The following exceedances of the NYSDEC TOGS Standards and Guidance Values were identified:

GW-1

Total Metals

Manganese – 753 ug/L

GW-2

VOCs

Chloroform – 23.0 ug/L

Total Metals

Manganese – 616 ug/L

GW-3

Total Metals

Barium – 1,760 ug/L

Cadmium – 5.25 ug/L

Chromium – 93.70 ug/L

Copper – 716 ug/L

Lead – 83.30 ug/L

Manganese – 8,380 ug/L

Nickel – 112 ug/L

Dissolved Metals

Manganese – 381 ug/L

The VOCs 1,2,3-trichloropropane, 1,2-dibromo-3-chloropropane, 1,2-dibromoethane, 2,4,5-trichlorophenol, 2,4,6-trichlorophenol, 2-chlorophenol, 2-methylphenol, 2-nitrophenol, 4-chloro-3-methylphenol, 4-nitrophenol, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, bis(2-chloroethyl)ether, chrysene, hexachlorobutadiene, the SVOCs indeno(1,2,3-cd)pyrene, phenol, and the Pesticides alpha-BHC, total chlordane, dieldrin, and toxaphene were identified below their respective laboratory method detection limits (MDLs). However, the MDLs for these compounds were found to be above their respective NYSDEC

TOGS Standards and Guidance. York indicated that either the lower MDLs are not achievable with commercial laboratory methods or that higher MDLs were reported due to laboratory dilution.

While exceedances of the NYSDEC TOGS Standards and Guidance Values were identified in the groundwater, groundwater is not expected to be encountered as part of the building construction and is not planned to be used at the property.

Data collected during the RI is sufficient to delineate the distribution of contaminants in groundwater at the Site. A summary table of data for chemical analyses performed on groundwater samples is included in Table 2. Figure 2 shows the sample locations.

5.4 Soil Vapor Chemistry

No exceedances of the NYS DOH Final Guidance on Soil Vapor Intrusion (October 2006) values were identified in the soil vapor samples. While no exceedances were identified, the following VOCs were detected:

SV-1

1,2,4-Trimethylbenzene – 9.50 ug/m³
1,3,5-Trimethylbenzene – 2.40 ug/m³
2-Butanone – 7.50 ug/m³
2-Hexanone – 1.70 ug/m³
4-Methyl-2-pentanone – 2.0 ug/m³
Acetone – 100 ug/m³
Benzene – 1.60 ug/m³
Carbon disulfide – 2.50 ug/m³
Carbon tetrachloride – 0.50 ug/m³
Chloroform – 32 ug/m³
Chloromethane – 0.53 ug/m³
Dichlorodifluoromethane – 2.40 ug/m³
Ethyl Benzene – 3.80 ug/m³
Isopropanol – 1.90 ug/m³
Methyl Methacrylate – 0.66 ug/m³
n-Heptane – 3.0 ug/m³
n-Hexane – 1.40 ug/m³
o-Xylene – 4.90 ug/m³

p- & m- Xylenes – 17.0 ug/m³
p-Ethyltoluene – 6.50 ug/m³
Styrene– 1.30 ug/m³
Tetrachloroethylene – 13.0 ug/m³
Tetrahydrofuran – 6.70 ug/m³
Toluene – 7.10 ug/m³
Trichloroethylene – 0.69 ug/m³
Trichlorofluoromethane (Freon 11) – 1.40 ug/m³

SV-2

1,2,4-Trimethylbenzene – 17.0 ug/m³
1,3,5-Trimethylbenzene – 4.30 ug/m³
2-Butanone – 27.0 ug/m³
Acetone – 420 ug/m³
Benzene – 5.10 ug/m³
Carbon disulfide – 4.30 ug/m³
Cyclohexane – 2.80 ug/m³
Dichlorodifluoromethane – 4.0 ug/m³
Ethyl Benzene – 13.0 ug/m³
Isopropanol – 17.0 ug/m³
n-Heptane – 130 ug/m³
n-Hexane– 7.40 ug/m³
o-Xylene – 14.0 ug/m³
p- & m- Xylenes – 52.0 ug/m³
p-Ethyltoluene – 18.0 ug/m³
Tetrahydrofuran – 15.0 ug/m³
Toluene – 27.0 ug/m³

SV-3

1,2,4-Trimethylbenzene – 11.0 ug/m³
1,3,5-Trimethylbenzene – 3.60 ug/m³
2-Butanone – 15.0 ug/m³
4-Methyl-2-pentanone – 4.20 ug/m³
Acetone – 390 ug/m³
Benzene – 2.40 ug/m³

Cyclohexane – 3.60 ug/m³
Dichlorodifluoromethane – 4.0 ug/m³
Ethyl Benzene – 10.0 ug/m³
Isopropanol – 8.0 ug/m³
n-Heptane – 13.0 ug/m³
n-Hexane – 7.50 ug/m³
o-Xylene – 12.0 ug/m³
p- & m- Xylenes – 40.0 ug/m³
p-Ethyltoluene – 9.40 ug/m³
Tetrahydrofuran – 7.0 ug/m³
Toluene – 18.0 ug/m³

SV-4

1,2,4-Trimethylbenzene – 12.0 ug/m³
2-Butanone – 31.0 ug/m³
4-Methyl-2-pentanone – 8.50 ug/m³
Acetone – 340 ug/m³
Benzene – 4.50 ug/m³
Carbon disulfide – 3.50 ug/m³
Dichlorodifluoromethane – 3.90 ug/m³
Ethyl Benzene – 84.0 ug/m³
Isopropanol – 14.0 ug/m³
Methyl Methacrylate – 7.0 ug/m³
n-Heptane – 43.0 ug/m³
n-Hexane – 6.30 ug/m³
o-Xylene – 82.0 ug/m³
p- & m- Xylenes – 320 ug/m³
p-Ethyltoluene – 10.0 ug/m³
Tetrahydrofuran – 20.0 ug/m³
Toluene – 18.0 ug/m³

SV-Duplicate

1,2,4-Trimethylbenzene – 4.80 ug/m³
1,3,5-Trimethylbenzene – 1.10 ug/m³
2-Butanone – 4.60 ug/m³

4-Methyl-2-pentanone – 1.10 ug/m³
Acetone – 91.0 ug/m³
Benzene – 1.30 ug/m³
Carbon disulfide – 1.20 ug/m³
Carbon tetrachloride – 0.76 ug/m³
Chloroform – 14.0 ug/m³
Chloromethane – 1.0 ug/m³
Cyclohexane – 1.80 ug/m³
Dichlorodifluoromethane – 3.10 ug/m³
Ethyl Benzene – 2.50 ug/m³
Isopropanol – 91.0 ug/m³
Methyl Methacrylate – 27.0 ug/m³
n-Heptane – 5.40 ug/m³
n-Hexane – 3.70 ug/m³
o-Xylene – 3.0 ug/m³
p- & m- Xylenes – 10.0 ug/m³
p-Ethyltoluene – 3.40 ug/m³
Styrene – 1.70 ug/m³
Tetrachloroethylene – 7.20 ug/m³
Tetrahydrofuran – 2.80 ug/m³
Toluene – 5.70 ug/m³
Trichlorofluoromethane (Freon 11) – 2.0 ug/m³

Data collected during the RI is sufficient to delineate the distribution of contaminants in soil vapor at the Site. A summary table of data for chemical analyses performed on soil vapor samples is included in Table 3. Figure 2 shows the sample locations.

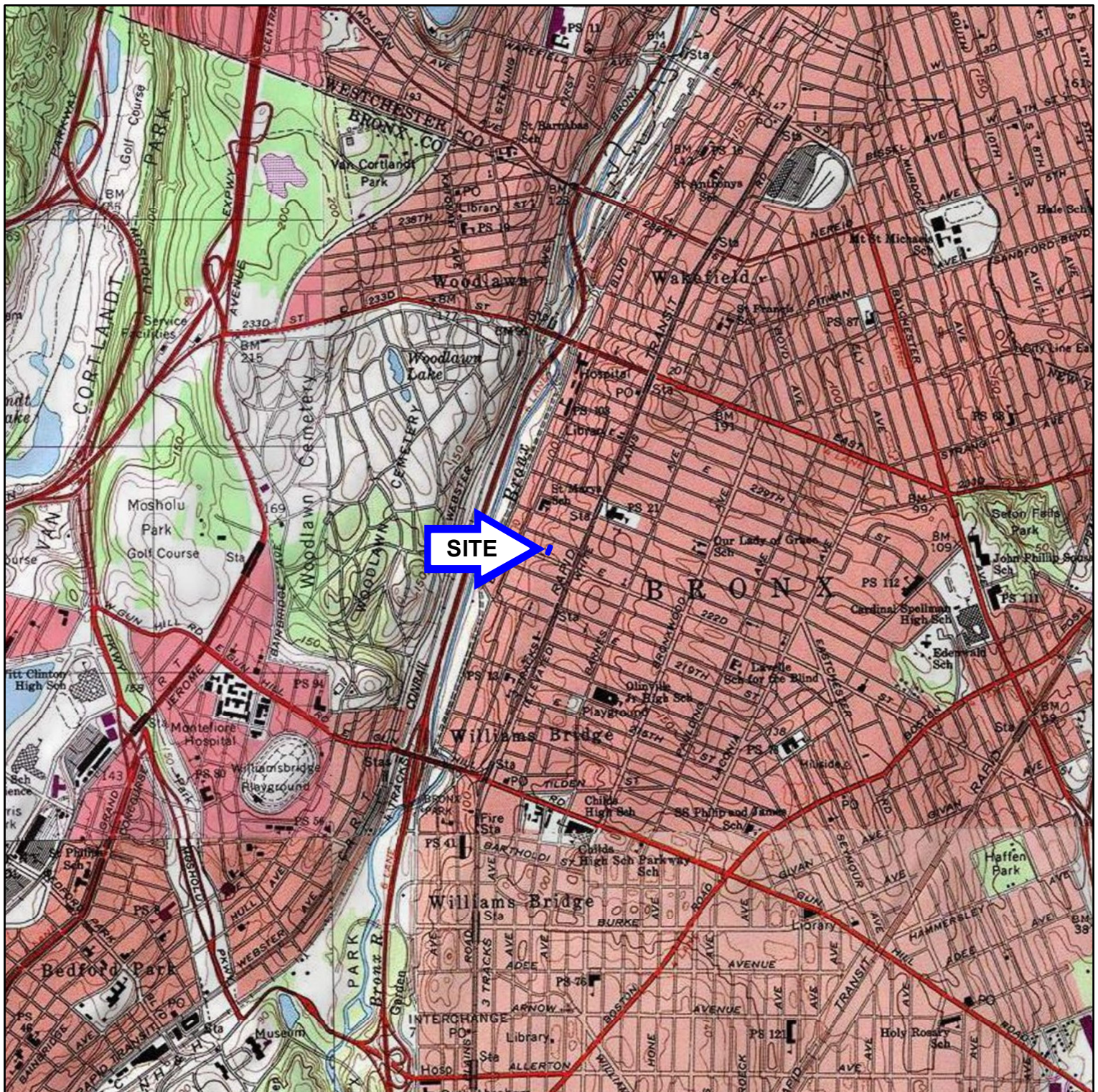
5.5 Prior Activity

Based on an evaluation of the data and information from the RIR, disposal of significant amounts of hazardous waste is not suspected at this site.

5.6 Impediments to Remedial Action

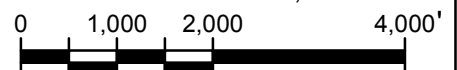
There are no known impediments to remedial action at this property.

FIGURES



SOURCE: USA TOPO MAPS - COPYRIGHT © 2013 NATIONAL GEOGRAPHIC SOCIETY, I-CUBED.
YONKERS (1998), MOUNT VERNON (SITE - 1995), FLUSHING (1995) AND CENTRAL PARK (1995), NEW YORK 7.5-MINUTE QUADRANGLES.

SCALE: 1" = 2,000'



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Figure 1 - Site Location Map

659 East 222nd Street

659 East 222nd Street
Borough of Bronx, City of New York, New York

PROJECT NO.: 190740

REV: 0

PREPARED BY: JRY

DATE: APRIL 30, 2020

SCALE: 1" = 2,000'

APPROVED BY: JPC



LEGEND

- Site Boundary
- SB-4 ▲ Soil Boring
- VP-4 ● Vapor Point
- SB-1
GW-1
VP-1 ● Sample Locations
(Soil Boring, Groundwater and Vapor Point)

NOTE: THIS DRAWING INTENDED FOR ILLUSTRATIVE PURPOSES ONLY, AS PART OF A SITE CHARACTERIZATION.
 NOT TO BE USED AS A BASIS FOR ENGINEERING OR DESIGN
IMAGE SOURCE: ESRI DIGITALGLOBE [MICROSOFT]. PHOTO DATE: APRIL 15, 2018.

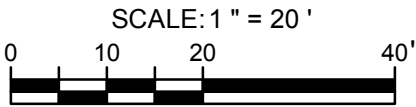


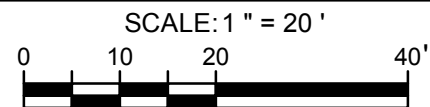
		Figure 2 - Sample Location Diagram		
		659 East 222nd Street 659 East 222nd Street Borough of Bronx, City of New York, New York		
		PROJECT NO.: 190740	REV: 0	PREPARED BY: JRY
131 Varick St. Suite 1022 New York, NY 10013 Phone: 800-305-6019 www.libertyenviro.com		DATE: APRIL 30, 2020	SCALE: 1" = 20'	APPROVED BY: JPC



LEGEND

- Site Boundary
- GW-1
● Temporary Well
Groundwater Sample Location
- ~ Groundwater Flow Contour (ft.)
- 325.11
Groundwater Elevation
Feet Below Ground Surface
- ➔ Groundwater Flow Direction

NOTE: THIS DRAWING INTENDED FOR ILLUSTRATIVE PURPOSES ONLY, AS PART OF A SITE CHARACTERIZATION.
NOT TO BE USED AS A BASIS FOR ENGINEERING OR DESIGN
IMAGE SOURCE: ESRI DIGITALGLOBE [MICROSOFT]. PHOTO DATE: APRIL 15, 2018.



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Figure 3 - Groundwater Flow Map

659 East 222nd Street
659 East 222nd Street
Borough of Bronx, City of New York, New York

PROJECT NO.: 190740

REV: 1

PREPARED BY: JRY

DATE: MAY 19, 2020

SCALE: 1" = 20'

APPROVED BY: JPC

TABLES

TABLE 1
Summary of Soil Analytical Results

659 E 222 Street LLC

659 East 222nd Street, Bronx, New York

Liberty Project 190740

Sample ID York ID Sampling Date Matrix		NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives (UUSCOs)	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives (RUSCOs) - Residential Use	SB-1@1'-2' 20D0471-01 4/15/2020 8:40 Soil	SB-1@5'-6' 20D0471-02 4/15/2020 8:50 Soil	SB-2@1'-2' 20D0471-03 4/15/2020 9:50 Soil	SB-2@5'-6' 20D0471-04 4/15/2020 10:05 Soil	SB-3@1'-2' 20D0471-05 4/15/2020 10:35 Soil	SB-3@5'-6' 20D0471-06 4/15/2020 10:55 Soil	SB-4@1'-2' 20D0471-07 4/15/2020 12:05 Soil	SB-4@4'-5' 20D0471-08 4/15/2020 12:10 Soil	SB-Duplicate 20D0471-09 4/15/2020 10:40 Soil
Compound	CAS Number			Result	Result	Result	Result	Result	Result	Result	Result	Result
Volatile Organics, 8260 - Comprehensive		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor				1	1	1	1	1	1	1	1	1
1,1,1,2-Tetrachloroethane	630-20-6	~	~	<0.0025	<0.0027	<0.0021	<0.0022	<0.0028	<0.0027	<0.0027	<0.0024	<0.0028
1,1,1-Trichloroethane	71-55-6	0.68	100	<0.0025	<0.0027	<0.0021	<0.0022	<0.0028	<0.0027	<0.0027	<0.0024	<0.0028
1,1,2,2-Tetrachloroethane	79-34-5	~	~	<0.0025	<0.0027	<0.0021	<0.0022	<0.0028	<0.0027	<0.0027	<0.0024	<0.0028
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	76-13-1	~	~	<0.0025	<0.0027	<0.0021	<0.0022	<0.0028	<0.0027	<0.0027	<0.0024	<0.0028
1,1,2-Trichloroethane	79-00-5	~	~	<0.0025	<0.0027	<0.0021	<0.0022	<0.0028	<0.0027	<0.0027	<0.0024	<0.0028
1,1-Dichloroethane	75-34-3	0.27	19	<0.0025	<0.0027	<0.0021	<0.0022	<0.0028	<0.0027	<0.0027	<0.0024	<0.0028
1,1-Dichloroethylene	75-35-4	0.33	100	<0.0025	<0.0027	<0.0021	<0.0022	<0.0028	<0.0027	<0.0027	<0.0024	<0.0028
1,2,3-Trichlorobenzene	87-61-6	~	~	<0.0025	<0.0027	<0.0021	<0.0022	<0.0028	<0.0027	<0.0027	<0.0024	<0.0028
1,2,3-Trichloropropane	96-18-4	~	~	<0.0025	<0.0027	<0.0021	<0.0022	<0.0028	<0.0027	<0.0027	<0.0024	<0.0028
1,2,4-Trichlorobenzene	120-82-1	~	~	<0.0025	<0.0027	<0.0021	<0.0022	<0.0028	<0.0027	<0.0027	<0.0024	<0.0028
1,2,4-Trimethylbenzene	95-63-6	3.6	47	<0.0025	<0.0027	<0.0021	<0.0022	<0.0028	<0.0027	<0.0027	<0.0024	<0.0028
1,2-Dibromo-3-chloropropane	96-12-8	~	~	<0.0025	<0.0027	<0.0021	<0.0022	<0.0028	<0.0027	<0.0027	<0.0024	<0.0028
1,2-Dibromoethane	106-93-4	~	~	<0.0025	<0.0027	<0.0021	<0.0022	<0.0028	<0.0027	<0.0027	<0.0024	<0.0028
1,2-Dichlorobenzene	95-50-1	1.1	100	<0.0025	<0.0027	<0.0021	<0.0022	<0.0028	<0.0027	<0.0027	<0.0024	<0.0028
1,2-Dichloroethane	107-06-2	0.02	2.3	<0.0025	<0.0027	<0.0021	<0.0022	<0.0028	<0.0027	<0.0027	<0.0024	<0.0028
1,2-Dichloropropane	78-87-5	~	~	<0.0025	<0.0027	<0.0021	<0.0022	<0.0028	<0.0027	<0.0027	<0.0024	<0.0028
1,3,5-Trimethylbenzene	108-67-8	8.4	47	<0.0025	<0.0027	<0.0021	<0.0022	<0.0028	<0.0027	<0.0027	<0.0024	<0.0028
1,3-Dichlorobenzene	541-73-1	2.4	17	<0.0025	<0.0027	<0.0021	<0.0022	<0.0028	<0.0027	<0.0027	<0.0024	<0.0028
1,4-Dichlorobenzene	106-46-7	1.8	9.8	<0.0025	<0.0027	<0.0021	<0.0022	<0.0028	<0.0027	<0.0027	<0.0024	<0.0028
1,4-Dioxane	123-91-1	0.1	9.8	<0.05	<0.054	<0.042	<0.043	<0.056	<0.055	<0.053	<0.049	<0.056
2-Butanone	78-93-3	0.12	100	<0.0025	<0.0027	<0.0021	<0.0022	<0.0028	<0.0027	<0.0027	<0.0024	<0.0028
2-Hexanone	591-78-6	~	~	<0.0025	<0.0027	<0.0021	<0.0022	<0.0028	<0.0027	<0.0027	<0.0024	<0.0028
4-Methyl-2-pentanone	108-10-1	~	~	<0.0025	<0.0027	<0.0021	<0.0022	<0.0028	<0.0027	<0.0027	<0.0024	<0.0028
Acetone	67-64-1	0.05	100	<0.005	<0.0054	<0.0042	<0.0043	<0.0056	<0.0055	<0.0053	<0.0049	<0.0056
Acrolein	107-02-8	~	~	<0.005	<0.0054	<0.0042	<0.0043	<0.0056	<0.0055	<0.0053	<0.0049	<0.0056
Acrylonitrile	107-13-1	~	~	<0.0025	<0.0027	<0.0021	<0.0022	<0.0028	<0.0027	<0.0027	<0.0024	<0.0028
Benzene	71-43-2	0.06	2.9	<0.0025	<0.0027	<0.0021	<0.0022	<0.0028	<0.0027	<0.0027	<0.0024	<0.0028
Bromochloromethane	74-97-5	~	~	<0.0025	<0.0027	<0.0021	<0.0022	<0.0028	<0.0027	<0.0027	<0.0024	<0.0028
Bromodichloromethane	75-27-4	~	~	<0.0025	<0.0027	<0.0021	<0.0022	<0.0028	<0.0027	<0.0027	<0.0024	<0.0028
Bromoform	75-25-2	~	~	<0.0025	<0.0027	<0.0021	<0.0022	<0.0028	<0.0027	<0.0027	<0.0024	<0.0028
Bromomethane	74-83-9	~	~	<0.0025	<0.0027	<0.0021	<0.0022	<0.0028	<0.0027	<0.0027	<0.0024	<0.0028
Carbon disulfide	75-15-0	~	~	<0.0025	<0.0027	<0.0021	<0.0022	<0.0028	<0.0027	<0.0027	<0.0024	<0.0028
Carbon tetrachloride	56-23-5	0.76	1.4	<0.0025	<0.0027	<0.0021	<0.0022	<0.0028	<0.0027	<0.0027	<0.0024	<0.0028
Chlorobenzene	108-90-7	1.1	100	<0.0025	<0.0027	<0.0021	<0.0022	<0.0028	<0.0027	<0.0027	<0.0024	<0.0028
Chloroethane	75-00-3	~	~	<0.0025	<0.0027	<0.0021	<0.0022	<0.0028	<0.0027	<0.0027	<0.0024	<0.0028
Chloroform	67-66-3	0.37	10	<0.0025	<0.0027	<0.0021	<0.0022	<0.0028	<0.0027	<0.0027	<0.0024	<0.0028
Chloromethane	74-87-3	~	~	<0.0025	<0.0027	<0.0021	<0.0022	<0.0028	<0.0027	<0.0027	<0.0024	<0.0028
cis-1,2-Dichloroethylene	156-59-2	0.25	59	<0.0025	<0.0027	<0.0021	<0.0022	<0.0028	<0.0027	<0.0027	<0.0024	<0.0028
cis-1,3-Dichloropropylene	10061-01-5	~	~	<0.0025	<0.0027	<0.0021	<0.0022	<0.0028	<0.0027	<0.0027	<0.0024	<0.0028
Cyclohexane	110-82-7	~	~	<0.0025	<0.0027	<0.0021	<0.0022	<0.0028	<0.0027	<0.0027	<0.0024	<0.0028
Dibromochloromethane	124-48-1	~	~	<0.0025	<0.0027	<0.0021	<0.0022	<0.0028	<0.0027	<0.0027	<0.0024	<0.0028
Dibromomethane	74-95-3	~	~	<0.0025	<0.0027	<0.0021	<0.0022	<0.0028	<0.0027	<0.0027	<0.0024	<0.0028
Dichlorodifluoromethane	75-71-8	~	~	<0.0025	<0.0027	<0.0021	<0.0022	<0.0028	<0.0027	<0.0027	<0.0024	<0.0028
Ethyl Benzene	100-41-4	1	30	<0.0025	<0.0100	<0.0021	<0.0022	<0.0028	<0.0027	<0.0027	<0.0024	<0.0028
Hexachlorobutadiene	87-68-3	~	~	<0.0025	<0.0027	<0.0021	<0.0022	<0.0028	<0.0027	<0.0027	<0.0024	<0.0028
Isopropylbenzene	98-82-8	~	~	<0.0025	<0.0027	<0.0021	<0.0022	<0.0028	<0.0027	<0.0027	<0.0024	<0.0028
Methyl acetate	79-20-9	~	~	<0.0025	<0.0027	<0.0021	<0.0022	<0.0028	<0.0027	<0.0027	<0.0024	<0.0028
Methyl tert-butyl ether (MTBE)	1634-04-4	0.93	62	<0.0025	<0.0027	<0.0021	<0.0022	<0.0028	<0.0027	<0.0027	<0.0024	<0.0028

TABLE 1 (Continued)
Summary of Soil Analytical Results

Sample ID		NYSDEC Part 375	NYSDEC Part 375	SB-1@1'-2'	SB-1@5'-6'	SB-2@1'-2'	SB-2@5'-6'	SB-3@1'-2'	SB-3@5'-6'	SB-4@1'-2'	SB-4@4'-5'	SB-Duplicate
Compound	CAS Number	UUSCOs	RUSCOs	Result	Result	Result	Result	Result	Result	Result	Result	Result
Methylcyclohexane	108-87-2	~	~	<0.0025	<0.0027	<0.0021	<0.0022	<0.0028	<0.0027	<0.0027	<0.0024	<0.0028
Methylene chloride	75-09-2	0.05	51	<0.005	<0.0054	<0.0042	<0.0043	<0.0056	<0.0055	<0.0053	<0.0049	<0.0056
n-Butylbenzene	104-51-8	12	100	<0.0025	<0.0027	<0.0021	<0.0022	<0.0028	<0.0027	<0.0027	<0.0024	<0.0028
n-Propylbenzene	103-65-1	3.9	100	<0.0025	<0.0027	<0.0021	<0.0022	<0.0028	<0.0027	<0.0027	<0.0024	<0.0028
o-Xylene	95-47-6	~	~	<0.0025	0.0160	<0.0021	<0.0022	<0.0028	<0.0027	<0.0027	<0.0024	<0.0028
p- & m- Xylenes	179601-23-1	~	~	<0.005	0.0450	<0.0042	<0.0043	<0.0056	<0.0055	<0.0053	<0.0049	<0.0056
p-Isopropyltoluene	99-87-6	~	~	<0.0025	<0.0027	<0.0021	<0.0022	<0.0028	<0.0027	<0.0027	<0.0024	0.00390
sec-Butylbenzene	135-98-8	11	100	<0.0025	<0.0027	<0.0021	<0.0022	<0.0028	<0.0027	<0.0027	<0.0024	<0.0028
Styrene	100-42-5	~	~	<0.0025	<0.0027	<0.0021	<0.0022	<0.0028	<0.0027	<0.0027	<0.0024	<0.0028
tert-Butyl alcohol (TBA)	75-65-0	~	~	<0.0025	<0.0027	<0.0021	<0.0022	<0.0028	<0.0027	<0.0027	<0.0024	<0.0028
tert-Butylbenzene	98-06-6	5.9	100	<0.0025	<0.0027	<0.0021	<0.0022	<0.0028	<0.0027	<0.0027	<0.0024	<0.0028
Tetrachloroethylene	127-18-4	1.3	5.5	<0.0025	<0.0027	<0.0021	<0.0022	<0.0028	<0.0027	<0.0027	<0.0024	<0.0028
Toluene	108-88-3	0.7	100	<0.0025	<0.0027	<0.0021	<0.0022	<0.0028	<0.0027	<0.0027	<0.0024	<0.0028
trans-1,2-Dichloroethylene	156-60-5	0.19	100	<0.0025	<0.0027	<0.0021	<0.0022	<0.0028	<0.0027	<0.0027	<0.0024	<0.0028
trans-1,3-Dichloropropylene	10061-02-6	~	~	<0.0025	<0.0027	<0.0021	<0.0022	<0.0028	<0.0027	<0.0027	<0.0024	<0.0028
trans-1,4-dichloro-2-butene	110-57-6	~	~	<0.0025	<0.0027	<0.0021	<0.0022	<0.0028	<0.0027	<0.0027	<0.0024	<0.0028
Trichloroethylene	79-01-6	0.47	10	<0.0025	<0.0027	<0.0021	<0.0022	<0.0028	<0.0027	<0.0027	<0.0024	<0.0028
Trichlorofluoromethane	75-69-4	~	~	<0.0025	<0.0027	<0.0021	<0.0022	<0.0028	<0.0027	<0.0027	<0.0024	<0.0028
Vinyl Chloride	75-01-4	0.02	0.21	<0.0025	<0.0027	<0.0021	<0.0022	<0.0028	<0.0027	<0.0027	<0.0024	<0.0028
Xylenes, Total	1330-20-7	0.26	100	<0.0076	0.0610	<0.0063	<0.0065	<0.0084	<0.0082	<0.008	<0.0073	<0.0085
Semi-Volatiles, 8270 - Comprehensive		mg/Kg	mg/kg dry	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		2	2	2	2	2	2	2	2	2	2	2
1,1-Biphenyl	92-52-4	~	~	<0.0447	<0.0427	<0.0452	<0.0432	<0.0547	<0.0429	<0.0451	<0.0479	<0.0435
1,2,4,5-Tetrachlorobenzene	95-94-3	~	~	<0.0891	<0.0852	<0.0902	<0.0863	<0.109	<0.0855	<0.09	<0.0956	<0.0867
1,2,4-Trichlorobenzene	120-82-1	~	~	<0.0447	<0.0427	<0.0452	<0.0432	<0.0547	<0.0429	<0.0451	<0.0479	<0.0435
1,2-Dichlorobenzene	95-50-1	1.1	100	<0.0447	<0.0427	<0.0452	<0.0432	<0.0547	<0.0429	<0.0451	<0.0479	<0.0435
1,2-Diphenylhydrazine (as Azobenzene)	122-66-7	~	~	<0.0447	<0.0427	<0.0452	<0.0432	<0.0547	<0.0429	<0.0451	<0.0479	<0.0435
1,3-Dichlorobenzene	541-73-1	2.4	17	<0.0447	<0.0427	<0.0452	<0.0432	<0.0547	<0.0429	<0.0451	<0.0479	<0.0435
1,4-Dichlorobenzene	106-46-7	1.8	9.8	<0.0447	<0.0427	<0.0452	<0.0432	<0.0547	<0.0429	<0.0451	<0.0479	<0.0435
2,3,4,6-Tetrachlorophenol	58-90-2	~	~	<0.0891	<0.0852	<0.0902	<0.0863	<0.109	<0.0855	<0.09	<0.0956	<0.0867
2,4,5-Trichlorophenol	95-95-4	~	~	<0.0447	<0.0427	<0.0452	<0.0432	<0.0547	<0.0429	<0.0451	<0.0479	<0.0435
2,4,6-Trichlorophenol	88-06-2	~	~	<0.0447	<0.0427	<0.0452	<0.0432	<0.0547	<0.0429	<0.0451	<0.0479	<0.0435
2,4-Dichlorophenol	120-83-2	~	~	<0.0447	<0.0427	<0.0452	<0.0432	<0.0547	<0.0429	<0.0451	<0.0479	<0.0435
2,4-Dimethylphenol	105-67-9	~	~	<0.0447	<0.0427	<0.0452	<0.0432	<0.0547	<0.0429	<0.0451	<0.0479	<0.0435
2,4-Dinitrophenol	51-28-5	~	~	<0.0891	<0.0852	<0.0902	<0.0863	<0.109	<0.0855	<0.09	<0.0956	<0.0867
2,4-Dinitrotoluene	121-14-2	~	~	<0.0447	<0.0427	<0.0452	<0.0432	<0.0547	<0.0429	<0.0451	<0.0479	<0.0435
2,6-Dinitrotoluene	606-20-2	~	~	<0.0447	<0.0427	<0.0452	<0.0432	<0.0547	<0.0429	<0.0451	<0.0479	<0.0435
2-Chloronaphthalene	91-58-7	~	~	<0.0447	<0.0427	<0.0452	<0.0432	<0.0547	<0.0429	<0.0451	<0.0479	<0.0435
2-Chlorophenol	95-57-8	~	~	<0.0447	<0.0427	<0.0452	<0.0432	<0.0547	<0.0429	<0.0451	<0.0479	<0.0435
2-Methylnaphthalene	91-57-6	~	~	<0.0447	<0.0427	<0.0452	<0.0432	<0.0547	<0.0429	<0.0451	<0.0479	<0.0435
2-Methylphenol	95-48-7	0.33	100	<0.0447	<0.0427	<0.0452	<0.0432	<0.0547	<0.0429	<0.0451	<0.0479	<0.0435
2-Nitroaniline	88-74-4	~	~	<0.0891	<0.0852	<0.0902	<0.0863	<0.109	<0.0855	<0.09	<0.0956	<0.0867
2-Nitrophenol	88-75-5	~	~	<0.0447	<0.0427	<0.0452	<0.0432	<0.0547	<0.0429	<0.0451	<0.0479	<0.0435
3- & 4-Methylphenols	65794-96-9	~	~	<0.0447	<0.0427	<0.0452	<0.0432	<0.0547	<0.0429	<0.0451	<0.0479	<0.0435
3,3-Dichlorobenzidine	91-94-1	~	~	<0.0447	<0.0427	<0.0452	<0.0432	<0.0547	<0.0429	<0.0451	<0.0479	<0.0435
3-Nitroaniline	99-09-2	~	~	<0.0891	<0.0852	<0.0902	<0.0863	<0.109	<0.0855	<0.09	<0.0956	<0.0867
4,6-Dinitro-2-methylphenol	534-52-1	~	~	<0.0891	<0.0852	<0.0902	<0.0863	<0.109	<0.0855	<0.09	<0.0956	<0.0867
4-Bromophenyl phenyl ether	101-55-3	~	~	<0.0447	<0.0427	<0.0452	<0.0432	<0.0547	<0.0429	<0.0451	<0.0479	<0.0435
4-Chloro-3-methylphenol	59-50-7	~	~	<0.0447	<0.0427	<0.0452	<0.0432	<0.0547	<0.0429	<0.0451	<0.0479	<0.0435
4-Chloroaniline	106-47-8	~	~	<0.0447	<0.0427	<0.0452	<0.0432	<0.0547	<0.0429	<0.0451	<0.0479	<0.0435
4-Chlorophenyl phenyl ether	7005-72-3	~	~	<0.0447	<0.0427	<0.0452	<0.0432	<0.0547	<0.0429	<0.0451	<0.0479	<0.0435
4-Nitroaniline	100-01-6	~	~	<0.0891	<0.0852	<0.0902	<0.0863	<0.109	<0.0855	<0.09	<0.0956	<0.0867
4-Nitrophenol	100-02-7	~	~	<0.0891	<0.0852	<0.0902	<0.0863	<0.109	<0.0855	<0.09	<0.0956	<0.0867
Acenaphthene	83-32-9	20	100	<0.0447	<0.0427	<0.0452	<0.0432	<0.0547	<0.0429	<0.0451	<0.0479	<0.0435
Atrazine	1912-24-9	~	~	<0.0447	<0.0427	<0.0452	<0.0432	<0.0547	<0.0429	<0.0451	<0.0479	<0.0435
Benzaldehyde	100-52-7	~	~	<0.0447	<0.0427	<0.0452	<0.0432	<0.0547	<0.0429	<0.0451	<0.0479	<0.0435
Benzidine	92-87-5	~	~	<0.178	<0.171	<0.181	<0.173	<0.219	<0.171	<0.18	<0.192	<0.174
Benzo(a)anthracene	56-55-3	1	1	<0.0447	<0.0427	<0.0452	<0.0432	<0.0547	<0.0429	<0.0451	<0.0479	<0.0435

TABLE 1 (Continued)
Summary of Soil Analytical Results

Sample ID		NYSDEC Part 375	NYSDEC Part 375	SB-1@1'-2'	SB-1@5'-6'	SB-2@1'-2'	SB-2@5'-6'	SB-3@1'-2'	SB-3@5'-6'	SB-4@1'-2'	SB-4@4'-5'	SB-Duplicate
Compound	CAS Number	UUSCOs	RUSCOs	Result	Result	Result	Result	Result	Result	Result	Result	Result
Benzo(a)pyrene	50-32-8	1	1	<0.0447	0.0497	<0.0452	<0.0432	<0.0547	<0.0429	<0.0451	<0.0479	<0.0435
Benzo(b)fluoranthene	205-99-2	1	1	<0.0447	0.0470	<0.0452	<0.0432	<0.0547	<0.0429	<0.0451	<0.0479	<0.0435
Benzo(g,h,i)perylene	191-24-2	100	100	<0.0447	<0.0427	<0.0452	<0.0432	<0.0547	<0.0429	<0.0451	<0.0479	<0.0435
Benzo(k)fluoranthene	207-08-9	0.8	1	<0.0447	<0.0427	<0.0452	<0.0432	<0.0547	<0.0429	<0.0451	<0.0479	<0.0435
Benzoic acid	65-85-0	~	~	<0.0447	<0.0427	<0.0452	<0.0432	<0.0547	<0.0429	<0.0451	<0.0479	<0.0435
Benzyl alcohol	100-51-6	~	~	<0.0447	<0.0427	<0.0452	<0.0432	<0.0547	<0.0429	<0.0451	<0.0479	<0.0435
Benzyl butyl phthalate	85-68-7	~	~	<0.0447	<0.0427	<0.0452	<0.0432	<0.0547	<0.0429	<0.0451	<0.0479	<0.0435
Bis(2-chloroethoxy)methane	111-91-1	~	~	<0.0447	<0.0427	<0.0452	<0.0432	<0.0547	<0.0429	<0.0451	<0.0479	<0.0435
Bis(2-chloroethyl)ether	111-44-4	~	~	<0.0447	<0.0427	<0.0452	<0.0432	<0.0547	<0.0429	<0.0451	<0.0479	<0.0435
Bis(2-chloroisopropyl)ether	108-60-1	~	~	<0.0447	<0.0427	<0.0452	<0.0432	<0.0547	<0.0429	<0.0451	<0.0479	<0.0435
Bis(2-ethylhexyl)phthalate	117-81-7	~	~	<0.0447	0.0572	<0.0452	<0.0432	<0.0547	<0.0429	<0.0451	<0.0479	<0.0435
Caprolactam	105-60-2	~	~	<0.0891	<0.0852	<0.0902	<0.0863	<0.109	<0.0855	<0.09	<0.0956	<0.0867
Carbazole	86-74-8	~	~	<0.0447	<0.0427	<0.0452	<0.0432	<0.0547	<0.0429	<0.0451	<0.0479	<0.0435
Chrysene	218-01-9	1	1	<0.0447	0.0810	<0.0452	<0.0432	<0.0547	<0.0429	<0.0451	<0.0479	<0.0435
Dibenzo(a,h)anthracene	53-70-3	0.33	0.33	<0.0447	<0.0427	<0.0452	<0.0432	<0.0547	<0.0429	<0.0451	<0.0479	<0.0435
Dibenzofuran	132-64-9	7	14	<0.0447	<0.0427	<0.0452	<0.0432	<0.0547	<0.0429	<0.0451	<0.0479	<0.0435
Diethyl phthalate	84-66-2	~	~	<0.0447	<0.0427	<0.0452	<0.0432	<0.0547	<0.0429	<0.0451	<0.0479	<0.0435
Dimethyl phthalate	131-11-3	~	~	<0.0447	<0.0427	<0.0452	<0.0432	<0.0547	<0.0429	<0.0451	<0.0479	<0.0435
Di-n-butyl phthalate	84-74-2	~	~	<0.0447	<0.0427	<0.0452	<0.0432	<0.0547	<0.0429	<0.0451	<0.0479	<0.0435
Di-n-octyl phthalate	117-84-0	~	~	<0.0447	<0.0427	<0.0452	<0.0432	<0.0547	<0.0429	<0.0451	<0.0479	<0.0435
Fluoranthene	206-44-0	100	100	<0.0447	0.0436	0.0483	<0.0432	<0.0547	<0.0429	<0.0451	<0.0479	0.0555
Fluorene	86-73-7	30	100	<0.0447	<0.0427	<0.0452	<0.0432	<0.0547	<0.0429	<0.0451	<0.0479	<0.0435
Hexachlorobenzene	118-74-1	0.33	0.33	<0.0447	<0.0427	<0.0452	<0.0432	<0.0547	<0.0429	<0.0451	<0.0479	<0.0435
Hexachlorobutadiene	87-68-3	~	~	<0.0447	<0.0427	<0.0452	<0.0432	<0.0547	<0.0429	<0.0451	<0.0479	<0.0435
Hexachlorocyclopentadiene	77-47-4	~	~	<0.0447	<0.0427	<0.0452	<0.0432	<0.0547	<0.0429	<0.0451	<0.0479	<0.0435
Hexachloroethane	67-72-1	~	~	<0.0447	<0.0427	<0.0452	<0.0432	<0.0547	<0.0429	<0.0451	<0.0479	<0.0435
Indeno(1,2,3-cd)pyrene	193-39-5	0.5	0.5	<0.0447	<0.0427	<0.0452	<0.0432	<0.0547	<0.0429	<0.0451	<0.0479	<0.0435
Isophorone	78-59-1	~	~	<0.0447	<0.0427	<0.0452	<0.0432	<0.0547	<0.0429	<0.0451	<0.0479	<0.0435
Naphthalene	91-20-3	12	100	<0.0447	<0.0427	<0.0452	<0.0432	<0.0547	<0.0429	<0.0451	<0.0479	<0.0435
Nitrobenzene	98-95-3	~	~	<0.0447	<0.0427	<0.0452	<0.0432	<0.0547	<0.0429	<0.0451	<0.0479	<0.0435
N-Nitrosodimethylamine	62-75-9	~	~	<0.0447	<0.0427	<0.0452	<0.0432	<0.0547	<0.0429	<0.0451	<0.0479	<0.0435
N-nitroso-di-n-propylamine	621-64-7	~	~	<0.0447	<0.0427	<0.0452	<0.0432	<0.0547	<0.0429	<0.0451	<0.0479	<0.0435
N-Nitrosodiphenylamine	86-30-6	~	~	<0.0447	<0.0427	<0.0452	<0.0432	<0.0547	<0.0429	<0.0451	<0.0479	<0.0435
Pentachlorophenol	87-86-5	0.8	2.4	<0.0447	<0.0427	<0.0452	<0.0432	<0.0547	<0.0429	<0.0451	<0.0479	<0.0435
Phenanthrene	85-01-8	100	100	<0.0447	<0.0427	<0.0452	<0.0432	<0.0547	<0.0429	<0.0451	<0.0479	<0.0435
Phenol	108-95-2	0.33	100	<0.0447	<0.0427	<0.0452	<0.0432	<0.0547	<0.0429	<0.0451	<0.0479	<0.0435
Pyrene	129-00-0	100	100	<0.0447	0.0729	0.0555	<0.0432	<0.0547	<0.0429	<0.0451	<0.0479	0.0617
Pesticides, 8081 target list		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor				5	5	5	5	5	5	5	5	5
4,4'-DDD	72-54-8	0.0033	2.6	<0.00179	<0.00167	<0.00178	<0.00167	<0.00214	<0.00168	<0.00177	<0.00191	<0.00174
4,4'-DDE	72-55-9	0.0033	1.8	<0.00179	<0.00167	<0.00178	<0.00167	<0.00214	<0.00168	<0.00177	<0.00191	<0.00174
4,4'-DDT	50-29-3	0.0033	1.7	<0.00179	<0.00167	<0.00178	<0.00167	<0.00214	<0.00168	<0.00177	<0.00191	<0.00174
Aldrin	309-00-2	0.005	0.019	<0.00179	<0.00167	<0.00178	<0.00167	<0.00214	<0.00168	<0.00177	<0.00191	<0.00174
alpha-BHC	319-84-6	0.02	0.097	<0.00179	<0.00167	<0.00178	<0.00167	<0.00214	<0.00168	<0.00177	<0.00191	<0.00174
alpha-Chlordane	5103-71-9	0.094	0.91	<0.00179	<0.00167	<0.00178	<0.00167	<0.00214	<0.00168	<0.00177	<0.00191	<0.00174
beta-BHC	319-85-7	0.036	0.072	<0.00179	<0.00167	<0.00178	<0.00167	<0.00214	<0.00168	<0.00177	<0.00191	<0.00174
Chlordane, total	57-74-9	~	~	<0.0357	<0.0334	<0.0356	<0.0335	<0.0428	<0.0336	<0.0355	<0.0382	<0.0348
delta-BHC	319-86-8	0.04	100	<0.00179	<0.00167	<0.00178	<0.00167	<0.00214	<0.00168	<0.00177	<0.00191	<0.00174
Dieldrin	60-57-1	0.005	0.039	<0.00179	<0.00167	<0.00178	<0.00167	<0.00214	<0.00168	<0.00177	<0.00191	<0.00174
Endosulfan I	959-98-8	2.4	4.8	<0.00179	<0.00167	<0.00178	<0.00167	<0.00214	<0.00168	<0.00177	<0.00191	<0.00174
Endosulfan II	33213-65-9	2.4	4.8	<0.00179	<0.00167	<0.00178	<0.00167	<0.00214	<0.00168	<0.00177	<0.00191	<0.00174
Endosulfan sulfate	1031-07-8	2.4	4.8	<0.00179	<0.00167	<0.00178	<0.00167	<0.00214	<0.00168	<0.00177	<0.00191	<0.00174
Endrin	72-20-8	0.014	2.2	<0.00179	<0.00167	<0.00178	<0.00167	<0.00214	<0.00168	<0.00177	<0.00191	<0.00174
Endrin aldehyde	7421-93-4	~	~	<0.00179	<0.00167	<0.00178	<0.00167	<0.00214	<0.00168	<0.00177	<0.00191	<0.00174
Endrin ketone	53494-70-5	~	~	<0.00179	<0.00167	<0.00178	<0.00167	<0.00214	<0.00168	<0.00177	<0.00191	<0.00174
gamma-BHC (Lindane)	58-89-9	0.1	0.28	<0.00179	<0.00167	<0.00178	<0.00167	<0.00214	<0.00168	<0.00177	<0.00191	<0.00174
gamma-Chlordane	5566-34-7	~	~	<0.00179	<0.00167	<0.00178	<0.00167	<0.00214	<0.00168	<0.00177	<0.00191	<0.00174
Heptachlor	76-44-8	0.042	0.42	<0.00179	<0.00167	<0.00178	<0.00167	<0.00214	<0.00168	<0.00177	<0.00191	<0.00174

TABLE 1 (Continued)
Summary of Soil Analytical Results

Sample ID		NYSDEC Part 375 UUSCOs	NYSDEC Part 375 RUSCOs	SB-1@1'-2'	SB-1@5'-6'	SB-2@1'-2'	SB-2@5'-6'	SB-3@1'-2'	SB-3@5'-6'	SB-4@1'-2'	SB-4@4'-5'	SB-Duplicate
Compound	CAS Number			Result	Result	Result	Result	Result	Result	Result	Result	Result
Heptachlor epoxide	1024-57-3	~	~	<0.00179	<0.00167	<0.00178	<0.00167	<0.00214	<0.00168	<0.00177	<0.00191	<0.00174
Methoxychlor	72-43-5	~	~	<0.00893	<0.00834	<0.0089	<0.00837	<0.0107	<0.0084	<0.00887	<0.00956	<0.00869
Toxaphene	8001-35-2	~	~	<0.0904	<0.0844	<0.09	<0.0847	<0.108	<0.085	<0.0898	<0.0967	<0.088
Metals, Target Analyte		mg/Kg	mg/kg dry	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor				1	1	1	1	1	1	1	1	1
Aluminum	7429-90-5	~	~	7,280	4,130	11,400	4,150	9,540	3,360	8,840	10,800	4,130
Antimony	7440-36-0	~	~	<2.74	<2.56	<2.71	<2.6	<3.28	<2.58	<2.72	<2.91	<2.64
Arsenic	7440-38-2	13	16	1.860	2.980	<1.63	<1.56	<1.97	<1.55	<1.63	1.910	<1.59
Barium	7440-39-3	350	350	30	26.70	58.50	27.30	43.60	13.80	64.60	64.30	18.40
Beryllium	7440-41-7	7.2	14	<0.055	<0.051	<0.054	<0.052	<0.066	<0.052	<0.054	<0.058	<0.053
Cadmium	7440-43-9	2.5	2.5	<0.329	<0.307	<0.326	<0.311	<0.394	<0.31	<0.326	<0.349	<0.317
Calcium	7440-70-2	~	~	1,720	20,400	1,510	6,830	1,890	2,060	1,310	1,990	992
Chromium	7440-47-3	~	~	19.10	9.97	25.60	12.30	18.80	8.37	25.30	29.50	10.20
Cobalt	7440-48-4	~	~	7.34	4.15	8.12	4.08	7.97	3.40	8.79	10.10	3.69
Copper	7440-50-8	50	270	15	10.60	23.50	12.50	21	7.35	14.70	19.50	9.06
Iron	7439-89-6	~	~	12,300	8,930	16,600	8,270	13,800	6,350	13,300	18,800	6,890
Lead	7439-92-1	63	400	3.17	3.10	68.50	3.52	38.10	1.80	2.62	3.76	28.30
Magnesium	7439-95-4	~	~	3,780	11,300	3,950	4,930	3,610	2,070	2,900	3,960	1,590
Manganese	7439-96-5	1600	2000	228	182	297	195	341	145	265	348	148
Nickel	7440-02-0	30	140	16.90	11	23.80	9.18	18.70	7.17	18.90	22.70	8.75
Potassium	7440-09-7	~	~	950	795	2,100	602	1,170	414	1,910	2,320	614
Selenium	7782-49-2	3.9	36	<2.74	3.19	<2.71	<2.6	<3.28	<2.58	<2.72	<2.91	<2.64
Silver	7440-22-4	2	36	<0.548	<0.512	<0.543	<0.519	<0.657	<0.516	<0.543	<0.581	<0.529
Sodium	7440-23-5	~	~	157	177	87.10	192	165	92.30	109	235	77.90
Thallium	7440-28-0	~	~	<2.74	<2.56	<2.71	<2.6	<3.28	<2.58	<2.72	<2.91	<2.64
Vanadium	7440-62-2	~	~	21.40	18.90	28.40	14.30	29.20	8.91	27	32.40	11.40
Zinc	7440-66-6	109	2200	33	25.50	64.60	18.70	41.80	13	31.90	44.60	19.10
Mercury by 7473		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor				1	1	1	1	1	1	1	1	1
Mercury	7439-97-6	0.18	0.81	<0.0329	<0.0307	<0.0326	<0.0311	<0.0394	<0.031	<0.0326	<0.0349	<0.0317
Total Solids				%	%	%	%	%	%	%	%	%
Dilution Factor				1	1	1	1	1	1	1	1	1
% Solids	solids	~	~	91.20	97.60	92.10	96.30	76.10	96.90	92	86	94.60
Polychlorinated Biphenyls (PCB)		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor				1	1	1	1	1	1	1	1	1
Aroclor 1016	12674-11-2	~	~	<0.018	<0.0168	<0.018	<0.0169	<0.0216	<0.017	<0.0179	<0.0193	<0.0176
Aroclor 1221	11104-28-2	~	~	<0.018	<0.0168	<0.018	<0.0169	<0.0216	<0.017	<0.0179	<0.0193	<0.0176
Aroclor 1232	11141-16-5	~	~	<0.018	<0.0168	<0.018	<0.0169	<0.0216	<0.017	<0.0179	<0.0193	<0.0176
Aroclor 1242	53469-21-9	~	~	<0.018	<0.0168	<0.018	<0.0169	<0.0216	<0.017	<0.0179	<0.0193	<0.0176
Aroclor 1248	12672-29-6	~	~	<0.018	<0.0168	<0.018	<0.0169	<0.0216	<0.017	<0.0179	<0.0193	<0.0176
Aroclor 1254	11097-69-1	~	~	<0.018	<0.0168	<0.018	<0.0169	<0.0216	<0.017	<0.0179	<0.0193	<0.0176
Aroclor 1260	11096-82-5	~	~	<0.018	<0.0168	<0.018	<0.0169	<0.0216	<0.017	<0.0179	<0.0193	<0.0176
Total PCBs	1336-36-3	0.1	1.0	<0.018	<0.0168	<0.018	<0.0169	<0.0216	<0.017	<0.0179	<0.0193	<0.0176

NOTES:

Any Regulatory Exceedences are highlighted and bold

~ indicates that no regulatory limit has been established for this analyte

< indicates that the value was less than the laboratory method detection limit (MDL)

TABLE 2

Summary of Groundwater Analytical Results

659 E 222 Street LLC

659 East 222nd Street, Bronx, New York

Liberty Project 190740

Sample ID York ID Sampling Date Matrix		NYSDEC TOGS Standards and Guidance Values - GA	GW-1 20D0471-11 4/15/2020 1:50:00 PM Water	GW-2 20D0471-12 4/15/2020 2:15:00 PM Water	GW-3 20D0471-13 4/15/2020 2:40:00 PM Water
Compound	CAS Number		Result	Result	Result
Volatile Organics, 8260 - Comprehensive		ug/L	ug/L	ug/L	ug/L
Dilution Factor		1	1	1	1
1,1,1,2-Tetrachloroethane	630-20-6	5	<0.2	<0.2	<0.2
1,1,1-Trichloroethane	71-55-6	5	<0.2	<0.2	<0.2
1,1,2,2-Tetrachloroethane	79-34-5	5	<0.2	<0.2	<0.2
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	76-13-1	5	<0.2	<0.2	<0.2
1,1,2-Trichloroethane	79-00-5	1	<0.2	<0.2	<0.2
1,1-Dichloroethane	75-34-3	5	<0.2	<0.2	<0.2
1,1-Dichloroethylene	75-35-4	5	<0.2	<0.2	<0.2
1,2,3-Trichlorobenzene	87-61-6	5	<0.2	<0.2	<0.2
1,2,3-Trichloropropane	96-18-4	0.04	<0.2	<0.2	<0.2
1,2,4-Trichlorobenzene	120-82-1	5	<0.2	<0.2	<0.2
1,2,4-Trimethylbenzene	95-63-6	5	<0.2	<0.2	<0.2
1,2-Dibromo-3-chloropropane	96-12-8	0.04	<0.2	<0.2	<0.2
1,2-Dibromoethane	106-93-4	0.0006	<0.2	<0.2	<0.2
1,2-Dichlorobenzene	95-50-1	3	<0.2	<0.2	<0.2
1,2-Dichloroethane	107-06-2	0.6	<0.2	<0.2	<0.2
1,2-Dichloropropane	78-87-5	1	<0.2	<0.2	<0.2
1,3,5-Trimethylbenzene	108-67-8	5	<0.2	<0.2	<0.2
1,3-Dichlorobenzene	541-73-1	3	<0.2	<0.2	<0.2
1,4-Dichlorobenzene	106-46-7	3	<0.2	<0.2	<0.2
1,4-Dioxane	123-91-1	~	<40	<40	<40
2-Butanone	78-93-3	50	2.10	<0.2	<0.2
2-Hexanone	591-78-6	50	<0.2	<0.2	<0.2
4-Methyl-2-pentanone	108-10-1	~	0.22	<0.2	<0.2

TABLE 2 (Continued)
Summary of Groundwater Analytical Results

Sample ID		NYSDEC TOGS Standards and Guidance Values - GA	GW-1	GW-2	GW-3
Compound	CAS Number		Result	Result	Result
Acetone	67-64-1	50	7.90	1.40	1.30
Acrolein	107-02-8	~	<0.2	<0.2	<0.2
Acrylonitrile	107-13-1	~	<0.2	<0.2	<0.2
Benzene	71-43-2	1	0.22	<0.2	<0.2
Bromochloromethane	74-97-5	5	<0.2	<0.2	<0.2
Bromodichloromethane	75-27-4	50	<0.2	2.20	<0.2
Bromoform	75-25-2	50	<0.2	<0.2	<0.2
Bromomethane	74-83-9	5	<0.2	<0.2	<0.2
Carbon disulfide	75-15-0	~	<0.2	<0.2	<0.2
Carbon tetrachloride	56-23-5	5	<0.2	<0.2	<0.2
Chlorobenzene	108-90-7	5	<0.2	<0.2	<0.2
Chloroethane	75-00-3	5	0.36	<0.2	<0.2
Chloroform	67-66-3	7	<0.2	23	0.47
Chloromethane	74-87-3	5	<0.2	<0.2	<0.2
cis-1,2-Dichloroethylene	156-59-2	5	<0.2	<0.2	0.22
cis-1,3-Dichloropropylene	10061-01-5	0.4	<0.2	<0.2	<0.2
Cyclohexane	110-82-7	~	<0.2	<0.2	<0.2
Dibromochloromethane	124-48-1	50	<0.2	<0.2	<0.2
Dibromomethane	74-95-3	~	<0.2	<0.2	<0.2
Dichlorodifluoromethane	75-71-8	5	<0.2	<0.2	<0.2
Ethyl Benzene	100-41-4	5	0.36	<0.2	<0.2
Hexachlorobutadiene	87-68-3	0.5	<0.2	<0.2	<0.2
Isopropylbenzene	98-82-8	5	<0.2	<0.2	<0.2
Methyl acetate	79-20-9	~	<0.2	<0.2	<0.2
Methyl tert-butyl ether (MTBE)	1634-04-4	10	<0.2	<0.2	<0.2
Methylcyclohexane	108-87-2	~	<0.2	<0.2	<0.2
Methylene chloride	75-09-2	5	<1	<1	<1
n-Butylbenzene	104-51-8	5	<0.2	<0.2	<0.2
n-Propylbenzene	103-65-1	5	<0.2	<0.2	<0.2
o-Xylene	95-47-6	5	0.60	<0.2	<0.2
p- & m- Xylenes	179601-23-1	5	1.60	<0.5	<0.5

TABLE 2 (Continued)
Summary of Groundwater Analytical Results

Sample ID		NYSDEC TOGS Standards and Guidance Values - GA	GW-1	GW-2	GW-3
Compound	CAS Number		Result	Result	Result
p-Isopropyltoluene	99-87-6	5	<0.2	<0.2	<0.2
sec-Butylbenzene	135-98-8	5	<0.2	<0.2	<0.2
Styrene	100-42-5	5	<0.2	<0.2	<0.2
tert-Butyl alcohol (TBA)	75-65-0	~	<0.5	<0.5	<0.5
tert-Butylbenzene	98-06-6	5	<0.2	<0.2	<0.2
Tetrachloroethylene	127-18-4	5	0.36	0.37	3.90
Toluene	108-88-3	5	0.32	<0.2	<0.2
trans-1,2-Dichloroethylene	156-60-5	5	<0.2	<0.2	<0.2
trans-1,3-Dichloropropylene	10061-02-6	0.4	<0.2	<0.2	<0.2
trans-1,4-dichloro-2-butene	110-57-6	~	<0.2	<0.2	<0.2
Trichloroethylene	79-01-6	5	<0.2	<0.2	0.380
Trichlorofluoromethane	75-69-4	5	<0.2	<0.2	<0.2
Vinyl Chloride	75-01-4	2	<0.2	<0.2	<0.2
Xylenes, Total	1330-20-7	5	2.20	<0.6	<0.6
Semi-Volatiles, 8270 - Comprehensive - LL		ug/L	ug/L	ug/L	ug/L
Dilution Factor			1	1	1
1,1-Biphenyl	92-52-4	~	<2.56	<2.56	<2.56
1,2,4,5-Tetrachlorobenzene	95-94-3	~	<2.56	<2.56	<2.56
1,2,4-Trichlorobenzene	120-82-1	5	<2.56	<2.56	<2.56
1,2-Dichlorobenzene	95-50-1	3	<2.56	<2.56	<2.56
1,2-Diphenylhydrazine (as Azobenzene)	122-66-7	~	<2.56	<2.56	<2.56
1,3-Dichlorobenzene	541-73-1	3	<2.56	<2.56	<2.56
1,4-Dichlorobenzene	106-46-7	3	<2.56	<2.56	<2.56
2,3,4,6-Tetrachlorophenol	58-90-2	~	<1.28	<1.28	<1.28
2,4,5-Trichlorophenol	95-95-4	1	<1.28	<1.28	<1.28
2,4,6-Trichlorophenol	88-06-2	1	<1.28	<1.28	<1.28
2,4-Dichlorophenol	120-83-2	5	<1.28	<1.28	<1.28
2,4-Dimethylphenol	105-67-9	50	<1.28	<1.28	<1.28
2,4-Dinitrophenol	51-28-5	10	<1.28	<1.28	<1.28
2,4-Dinitrotoluene	121-14-2	5	<2.56	<2.56	<2.56
2,6-Dinitrotoluene	606-20-2	5	<2.56	<2.56	<2.56

TABLE 2 (Continued)
Summary of Groundwater Analytical Results

Sample ID		NYSDEC TOGS Standards and Guidance Values - GA	GW-1	GW-2	GW-3
Compound	CAS Number		Result	Result	Result
2-Chloronaphthalene	91-58-7	10	<2.56	<2.56	<2.56
2-Chlorophenol	95-57-8	1	<1.28	<1.28	<1.28
2-Methylnaphthalene	91-57-6	~	<2.56	<2.56	<2.56
2-Methylphenol	95-48-7	1	<1.28	<1.28	<1.28
2-Nitroaniline	88-74-4	5	<2.56	<2.56	<2.56
2-Nitrophenol	88-75-5	1	<1.28	<1.28	<1.28
3- & 4-Methylphenols	65794-96-9	~	<1.28	<1.28	<1.28
3,3-Dichlorobenzidine	91-94-1	5	<2.56	<2.56	<2.56
3-Nitroaniline	99-09-2	5	<2.56	<2.56	<2.56
4,6-Dinitro-2-methylphenol	534-52-1	~	<1.28	<1.28	<1.28
4-Bromophenyl phenyl ether	101-55-3	~	<2.56	<2.56	<2.56
4-Chloro-3-methylphenol	59-50-7	1	<1.28	<1.28	<1.28
4-Chloroaniline	106-47-8	5	<2.56	<2.56	<2.56
4-Chlorophenyl phenyl ether	7005-72-3	~	<2.56	<2.56	<2.56
4-Nitroaniline	100-01-6	5	<2.56	<2.56	<2.56
4-Nitrophenol	100-02-7	1	<1.28	<1.28	<1.28
Acenaphthene	83-32-9	20	<0.0513	<0.0513	<0.0513
Acenaphthylene	208-96-8	~	<0.0513	<0.0513	<0.0513
Acetophenone	98-86-2	~	<2.56	<2.56	<2.56
Aniline	62-53-3	5	<2.56	<2.56	<2.56
Anthracene	120-12-7	50	<0.0513	<0.0513	<0.0513
Atrazine	1912-24-9	~	<0.513	<0.513	<0.513
Benzaldehyde	100-52-7	~	<2.56	<2.56	<2.56
Benzidine	92-87-5	~	<10.3	<10.3	<10.3
Benzo(a)anthracene	56-55-3	0.002	<0.0513	<0.0513	<0.0513
Benzo(a)pyrene	50-32-8	0.002	<0.0513	<0.0513	<0.0513
Benzo(b)fluoranthene	205-99-2	0.002	<0.0513	<0.0513	<0.0513
Benzo(g,h,i)perylene	191-24-2	~	<0.0513	<0.0513	<0.0513
Benzo(k)fluoranthene	207-08-9	0.002	<0.0513	<0.0513	<0.0513
Benzoic acid	65-85-0	~	<25.6	<25.6	<25.6

TABLE 2 (Continued)
Summary of Groundwater Analytical Results

Sample ID		NYSDEC TOGS Standards and Guidance Values - GA	GW-1	GW-2	GW-3
Compound	CAS Number		Result	Result	Result
Benzyl alcohol	100-51-6	~	<2.56	<2.56	<2.56
Benzyl butyl phthalate	85-68-7	50	<2.56	<2.56	<2.56
Bis(2-chloroethoxy)methane	111-91-1	5	<2.56	<2.56	<2.56
Bis(2-chloroethyl)ether	111-44-4	1	<1.28	<1.28	<1.28
Bis(2-chloroisopropyl)ether	108-60-1	5	<2.56	<2.56	<2.56
Bis(2-ethylhexyl)phthalate	117-81-7	5	<0.513	<0.513	<0.513
Caprolactam	105-60-2	~	<2.56	<2.56	<2.56
Carbazole	86-74-8	~	<2.56	<2.56	<2.56
Chrysene	218-01-9	0.002	<0.0513	<0.0513	<0.0513
Dibenzo(a,h)anthracene	53-70-3	~	<0.0513	<0.0513	<0.0513
Dibenzofuran	132-64-9	~	<2.56	<2.56	<2.56
Diethyl phthalate	84-66-2	50	<2.56	<2.56	<2.56
Dimethyl phthalate	131-11-3	50	<2.56	<2.56	<2.56
Di-n-butyl phthalate	84-74-2	50	<2.56	<2.56	<2.56
Di-n-octyl phthalate	117-84-0	50	<2.56	<2.56	<2.56
Fluoranthene	206-44-0	50	0.0513	<0.0513	<0.0513
Fluorene	86-73-7	50	<0.0513	<0.0513	<0.0513
Hexachlorobenzene	118-74-1	0.04	<0.0205	<0.0205	<0.0205
Hexachlorobutadiene	87-68-3	0.5	<0.513	<0.513	<0.513
Hexachlorocyclopentadiene	77-47-4	5	<2.56	<2.56	<2.56
Hexachloroethane	67-72-1	5	<0.513	<0.513	<0.513
Indeno(1,2,3-cd)pyrene	193-39-5	0.002	<0.0513	<0.0513	<0.0513
Isophorone	78-59-1	50	<2.56	<2.56	<2.56
Naphthalene	91-20-3	10	<0.0513	<0.0513	<0.0513
Nitrobenzene	98-95-3	0.4	<0.256	<0.256	<0.256
N-Nitrosodimethylamine	62-75-9	~	<0.513	<0.513	<0.513
N-nitroso-di-n-propylamine	621-64-7	~	<2.56	<2.56	<2.56
N-Nitrosodiphenylamine	86-30-6	50	<2.56	<2.56	<2.56
Pentachlorophenol	87-86-5	1	<0.256	<0.256	<0.256
Phenanthrene	85-01-8	50	0.103	<0.0513	<0.0513
Phenol	108-95-2	1	<1.28	<1.28	<1.28

TABLE 2 (Continued)
Summary of Groundwater Analytical Results

Sample ID		NYSDEC TOGS Standards and Guidance Values - GA	GW-1	GW-2	GW-3
Compound	CAS Number		Result	Result	Result
Pyrene	129-00-0	50	<0.0513	<0.0513	<0.0513
Pyridine	110-86-1	50	<2.56	<2.56	<2.56
Pesticides, 8081 target list		ug/L	ug/L	ug/L	ug/L
Dilution Factor		5	5	5	1
4,4'-DDD	72-54-8	0.3	<0.0216	<0.0205	<0.004
4,4'-DDE	72-55-9	0.2	<0.0216	<0.0205	<0.004
4,4'-DDT	50-29-3	0.2	0.0513	0.164	<0.004
Aldrin	309-00-2	~	<0.0216	<0.0041	<0.004
alpha-BHC	319-84-6	0.01	<0.0216	<0.0041	<0.004
alpha-Chlordane	5103-71-9	~	<0.0216	<0.0041	<0.004
beta-BHC	319-85-7	0.04	<0.0216	<0.0041	<0.004
Chlordane, total	57-74-9	0.05	<0.108	<0.0205	<0.02
delta-BHC	319-86-8	0.04	<0.0216	<0.0041	<0.004
Dieldrin	60-57-1	0.004	<0.0108	<0.00205	<0.002
Endosulfan I	959-98-8	~	<0.0216	<0.0041	<0.004
Endosulfan II	33213-65-9	~	<0.0216	<0.0041	<0.004
Endosulfan sulfate	1031-07-8	~	<0.0216	<0.0041	<0.004
Endrin	72-20-8	~	<0.0216	<0.0041	<0.004
Endrin aldehyde	7421-93-4	5	<0.0541	<0.0103	<0.01
Endrin ketone	53494-70-5	5	<0.0541	<0.0103	<0.01
gamma-BHC (Lindane)	58-89-9	0.05	<0.0216	<0.0041	<0.004
gamma-Chlordane	5566-34-7	~	<0.0541	<0.0103	<0.01
Heptachlor	76-44-8	0.04	<0.0216	<0.0041	<0.004
Heptachlor epoxide	1024-57-3	0.03	<0.0216	<0.0041	<0.004
Methoxychlor	72-43-5	35	<0.0216	<0.0041	<0.004
Toxaphene	8001-35-2	0.06	<0.541	<0.103	<0.1
Metals, TAL, ICPMS		ug/L	ug/L	ug/L	ug/L
Dilution Factor		10	10	10	100
Aluminum	7429-90-5	~	9,120	8,210	14,900
Antimony	7440-36-0	3	<1.11	<1.11	<1.11
Arsenic	7440-38-2	25	5.93	5.90	12.30

TABLE 2 (Continued)
Summary of Groundwater Analytical Results

Sample ID		NYSDEC TOGS Standards and Guidance Values - GA	GW-1	GW-2	GW-3
Compound	CAS Number		Result	Result	Result
Barium	7440-39-3	1000	123	158	1,760
Beryllium	7440-41-7	3	<0.333	<0.333	0.652
Cadmium	7440-43-9	5	<0.556	<0.556	5.25
Chromium	7440-47-3	50	21.70	33.70	93.70
Cobalt	7440-48-4	~	5.96	8.08	31.70
Copper	7440-50-8	200	48.80	26.40	716
Iron	7439-89-6	~	9,720	8,280	34,500
Lead	7439-92-1	25	7.57	9.78	83.30
Manganese	7439-96-5	300	753	616	8,380
Nickel	7440-02-0	100	22.80	21	112
Selenium	7782-49-2	10	1.98	7.05	8.05
Silver	7440-22-4	50	<1.11	<1.11	<1.11
Thallium	7440-28-0	~	<1.11	<1.11	<1.11
Vanadium	7440-62-2	~	26.70	26.200	57.500
Zinc	7440-66-6	2000	51.10	52.900	141
Metals, TAL, ICPMS Dissolved		ug/L	ug/L	ug/L	ug/L
Dilution Factor			1	1	1
Aluminum	7429-90-5	~	691	607	22.80
Antimony	7440-36-0	3	<1.11	<1.11	<1.11
Arsenic	7440-38-2	25	<1.11	<1.11	<1.11
Barium	7440-39-3	1000	14.50	23.50	99.90
Beryllium	7440-41-7	3	<0.333	<0.333	<0.333
Cadmium	7440-43-9	5	<0.556	<0.556	<0.556
Chromium	7440-47-3	50	2.81	2.56	<1.11
Cobalt	7440-48-4	~	<1.11	<1.11	1.38
Copper	7440-50-8	200	5.33	3.53	1.37
Iron	7439-89-6	~	2,160	728	197
Lead	7439-92-1	25	<1.11	<1.11	<1.11
Manganese	7439-96-5	300	144	106	381
Nickel	7440-02-0	100	3.06	6.85	6.22

TABLE 2 (Continued)
Summary of Groundwater Analytical Results

Sample ID		NYSDEC TOGS Standards and Guidance Values - GA	GW-1	GW-2	GW-3
Compound	CAS Number		Result	Result	Result
Selenium	7782-49-2	10	<1.11	<1.11	1.81
Silver	7440-22-4	50	<1.11	<1.11	<1.11
Thallium	7440-28-0	~	<1.11	<1.11	<1.11
Vanadium	7440-62-2	~	2.28	2.77	<1.11
Zinc	7440-66-6	2000	26.70	13.90	13.30
Mercury by 7473		ug/L	ug/L	ug/L	ug/L
Dilution Factor			1	1	1
Mercury	7439-97-6	0.7	<0.2	<0.2	<0.2
Mercury by 7473, Dissolved		ug/L	ug/L	ug/L	ug/L
Dilution Factor			1	1	1
Mercury	7439-97-6	0.7	0.334	<0.2	<0.2
Polychlorinated Biphenyls (PCB)		ug/L	ug/L	ug/L	ug/L
Dilution Factor			1	1	1
Aroclor 1016	12674-11-2	~	<0.0541	<0.0513	<0.05
Aroclor 1221	11104-28-2	~	<0.0541	<0.0513	<0.05
Aroclor 1232	11141-16-5	~	<0.0541	<0.0513	<0.05
Aroclor 1242	53469-21-9	~	<0.0541	<0.0513	<0.05
Aroclor 1248	12672-29-6	~	<0.0541	<0.0513	<0.05
Aroclor 1254	11097-69-1	~	<0.0541	<0.0513	<0.05
Aroclor 1260	11096-82-5	~	<0.0541	<0.0513	<0.05
Total PCBs	1336-36-3	0.09	<0.0541	<0.0513	<0.05

NOTES:

Any Regulatory Exceedences are highlighted and bold

~ indicates that no regulatory limit has been established for this analyte

< indicates that the value was less than the laboratory method detection limit (MDL)

Bold values with < indicate values above their guidance values but below their MDLs

TABLE 3 **Summary of Soil Vapor Analytical Results**

659 E 222 Street LLC

659 East 222nd Street, Bronx, New York

Liberty Project 190740

Sample ID York ID Sampling Date Matrix		SV-1 20D0469-01 4/15/2020 3:30:00 PM Soil Vapor	SV-2 20D0469-02 4/15/2020 3:30:00 PM Soil Vapor	SV-3 20D0469-03 4/15/2020 3:30:00 PM Soil Vapor	SV-4 20D0469-04 4/15/2020 3:30:00 PM Soil Vapor	SV-Duplicate 20D0469-05 4/15/2020 3:30:00 PM Soil Vapor
Compound	CAS Number	Result	Result	Result	Result	Result
Volatile Organics, EPA TO15 Full List		ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
Dilution Factor		1.605	7.27	7.385	7.115	1.515
1,1,1,2-Tetrachloroethane	630-20-6	<1.1	<5	<5.1	<4.9	<1
1,1,1-Trichloroethane	71-55-6	<0.88	<4	<4	<3.9	<0.83
1,1,2,2-Tetrachloroethane	79-34-5	<1.1	<5	<5.1	<4.9	<1
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	76-13-1	<1.2	<5.6	<5.7	<5.5	<1.2
1,1,2-Trichloroethane	79-00-5	<0.88	<4	<4	<3.9	<0.83
1,1-Dichloroethane	75-34-3	<0.65	<2.9	<3	<2.9	<0.61
1,1-Dichloroethylene	75-35-4	<0.16	<0.72	<0.73	<0.71	<0.15
1,2,4-Trichlorobenzene	120-82-1	<1.2	<5.4	<5.5	<5.3	<1.1
1,2,4-Trimethylbenzene	95-63-6	9.50	17	11	12	4.80
1,2-Dibromoethane	106-93-4	<1.2	<5.6	<5.7	<5.5	<1.2
1,2-Dichlorobenzene	95-50-1	<0.96	<4.4	<4.4	<4.3	<0.91
1,2-Dichloroethane	107-06-2	<0.65	<2.9	<3	<2.9	<0.61
1,2-Dichloropropane	78-87-5	<0.74	<3.4	<3.4	<3.3	<0.7
1,2-Dichlorotetrafluoroethane	76-14-2	<1.1	<5.1	<5.2	<5	<1.1
1,3,5-Trimethylbenzene	108-67-8	2.40	4.30	3.60	<3.5	1.10
1,3-Butadiene	106-99-0	<1.1	<4.8	<4.9	5.20	<1
1,3-Dichlorobenzene	541-73-1	<0.96	<4.4	<4.4	<4.3	<0.91
1,3-Dichloropropane	142-28-9	<0.74	<3.4	<3.4	<3.3	<0.7
1,4-Dichlorobenzene	106-46-7	<0.96	<4.4	<4.4	<4.3	<0.91
1,4-Dioxane	123-91-1	<1.2	<5.2	<5.3	<5.1	<1.1
2-Butanone	78-93-3	7.50	27	15	31	4.60
2-Hexanone	591-78-6	1.70	<6	<6.1	<5.8	<1.2
3-Chloropropene	107-05-1	<2.5	<11	<12	<11	<2.4
4-Methyl-2-pentanone	108-10-1	2	<3	4.20	8.50	1.10
Acetone	67-64-1	100	420	390	340	91
Acrylonitrile	107-13-1	<0.35	<1.6	<1.6	<1.5	<0.33
Benzene	71-43-2	1.60	5.10	2.40	4.50	1.30
Benzyl chloride	100-44-7	<0.83	<3.8	<3.8	<3.7	<0.78
Bromodichloromethane	75-27-4	<1.1	<4.9	<4.9	<4.8	<1

TABLE 3 (Continued)
Summary of Soil Vapor Analytical Results

Sample ID		SV-1	SV-2	SV-3	SV-4	SV-Duplicate
Compound	CAS Number	Result	Result	Result	Result	Result
Bromoform	75-25-2	<1.7	<7.5	<7.6	<7.4	<1.6
Bromomethane	74-83-9	<0.62	<2.8	<2.9	<2.8	<0.59
Carbon disulfide	75-15-0	2.50	4.30	<2.3	3.50	1.20
Carbon tetrachloride	56-23-5	0.50	<1.1	<1.2	<1.1	0.76
Chlorobenzene	108-90-7	<0.74	<3.3	<3.4	<3.3	<0.7
Chloroethane	75-00-3	<0.42	<1.9	<1.9	<1.9	<0.4
Chloroform	67-66-3	32	<3.5	<3.6	<3.5	14
Chloromethane	74-87-3	0.53	<1.5	<1.5	<1.5	1
cis-1,2-Dichloroethylene	156-59-2	<0.16	<0.72	<0.73	<0.71	<0.15
cis-1,3-Dichloropropylene	10061-01-5	<0.73	<3.3	<3.4	<3.2	<0.69
Cyclohexane	110-82-7	<0.55	2.80	3.60	<2.4	1.80
Dibromochloromethane	124-48-1	<1.4	<6.2	<6.3	<6.1	<1.3
Dichlorodifluoromethane	75-71-8	2.40	4	4	3.90	3.10
Ethyl acetate	141-78-6	<1.2	<5.2	<5.3	<5.1	1.80
Ethyl Benzene	100-41-4	3.80	13	10	84	2.50
Hexachlorobutadiene	87-68-3	<1.7	<7.8	<7.9	<7.6	<1.6
Isopropanol	67-63-0	1.90	17	8	14	91
Methyl Methacrylate	80-62-6	0.66	<3	<3	7	27
Methyl tert-butyl ether (MTBE)	1634-04-4	<0.58	<2.6	<2.7	<2.6	<0.55
Methylene chloride	75-09-2	<1.1	<5.1	<5.1	<4.9	<1.1
n-Heptane	142-82-5	3	130	13	43	5.40
n-Hexane	110-54-3	1.40	7.40	7.50	6.30	3.70
o-Xylene	95-47-6	4.90	14	12	82	3
p- & m- Xylenes	179601-23-1	17	52	40	320	10
p-Ethyltoluene	622-96-8	6.50	18	9.40	10	3.40
Propylene	115-07-1	<0.28	<1.3	<1.3	<1.2	<0.26
Styrene	100-42-5	1.30	<3.1	<3.1	<3	1.70
Tetrachloroethylene	127-18-4	13	<4.9	<5	<4.8	7.20
Tetrahydrofuran	109-99-9	6.70	15	7	20	2.80
Toluene	108-88-3	7.10	27	18	18	5.70
trans-1,2-Dichloroethylene	156-60-5	<0.64	<2.9	<2.9	<2.8	<0.6
trans-1,3-Dichloropropylene	10061-02-6	<0.73	<3.3	<3.4	<3.2	<0.69
Trichloroethylene	79-01-6	0.69	<0.98	<0.99	<0.96	<0.2
Trichlorofluoromethane (Freon 11)	75-69-4	1.40	<4.1	<4.1	<4	2
Vinyl acetate	108-05-4	<0.57	<2.6	<2.6	<2.5	<0.53
Vinyl bromide	593-60-2	<0.7	<3.2	<3.2	<3.1	<0.66
Vinyl Chloride	75-01-4	<0.21	<0.93	<0.94	<0.91	<0.19

NOTES:

Any Regulatory Exceedences are highlighted and bold

~ indicates that no regulatory limit has been established for this analyte

< indicates that the value was less than the laboratory method detection limit (MDL)

APPENDIX A: PHASE I ESA REPORT

PHASE I ENVIRONMENTAL SITE ASSESSMENT

**659 E 222 Street LLC Property
659 East 222nd Street
Bronx, New York**

Prepared for:

Mr. Ed Lakaj
659 E 222 Street LLC
c/o Bond Construction
303 5th Ave, Suite 1610
New York, NY 10016

Prepared by:



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New York, NY 10013
Ph.: 212-255-0374
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**Liberty Project No. 190740.001
December 11, 2019**

A handwritten signature in black ink, appearing to read "Tom Herold", written over a horizontal line.

**Prepared by:
Thomas R. Herold
Project Scientist II**

A handwritten signature in black ink, appearing to read "Matthew J. Adukaitis", written over a horizontal line.

**Reviewed By:
Matthew J. Adukaitis
Project Manager**

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1. EXECUTIVE SUMMARY

On November 13, 2019, Liberty Environmental, Inc. (Liberty) was authorized by 659 E 222 Street LLC to perform a Phase I Environmental Site Assessment (ESA) at the property located at 659 East 222nd Street in the Borough of the Bronx, New York. The subject property consists of an asphalt parking lot with a small storage shed. The Phase I ESA was performed in accordance with the scope and limitations of the American Society for Testing and Materials (ASTM) Standard Practice E1527-13, and in accordance with Liberty's Proposal P190740, dated October 23, 2019. Any exceptions to, or deletions from, this practice are described in Sections 2.2 and 2.3 of this report.

Based on the interviews, records research and site inspection activities conducted by Liberty as part of this Phase I ESA, no recognized environmental conditions (RECs), controlled recognized environmental conditions (CRECs), historical recognized environmental conditions (HRECs), business environmental risks (BERs), or *de minimis* conditions, as defined in ASTM Standard Practice E1527-13, have been identified on the subject property at this time. However, the subject property was identified as an "E" Designation site with restrictions regarding air quality and hazardous materials. The site was reportedly placed in the "E" Designation program as part of the Williamsbridge/Baychester Rezoning. According to the New York City Mayor's Office of Environmental Remediation (NYC OER) "E" Designation Program, a site characterization is required as part of any redevelopment of the subject property due to the rezoning.

2. INTRODUCTION

2.1 PURPOSE

The primary purpose of this study was to document the performance of all appropriate inquiries by the environmental professional for the subject property. Specifically, this document is intended to provide the “all appropriate inquiries” as referenced in CERCLA Section 101(35)(B), and as defined in 40 CFR Part 312 (*Standards and Practices for All Appropriate Inquiry - Final Rule, November 2005*). Such is applicable to persons seeking to qualify for (i) the innocent landowner defense pursuant to CERCLA Sections 101(35) and 107(b)(3); (ii) the bona fide prospective purchaser liability protection pursuant to CERCLA Sections 101(40) and 107(r); and (iii) the contiguous property owner liability protection pursuant to CERCLA Section 107(q). This report was not intended as part of the site characterization and assessment with use of a grant awarded under CERCLA Section 104(k)(2)(B). More specifically, the scope, as described in Section 2.2 below, is intended to identify recognized environmental conditions (RECs), controlled recognized environmental conditions (CRECs), historical recognized environmental conditions (HRECs) or business environmental risks (BERs).

An REC is defined in Section 3.2.78 of ASTM Standard Practice E1527-13 as the presence or likely presence of any hazardous substances or petroleum products in, on or at the subject property: (1) due to a release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment.

A CREC is defined in Section 3.2.18 of ASTM Standard Practice E1527-13 as an REC resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (e.g., as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by a regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (e.g., property use restrictions, activity and use limitations, institutional controls, or engineering controls).

An HREC is defined in Section 3.2.42 of ASTM Standard Practice E1527-13 as a past release of any hazardous substances or petroleum products that has occurred in connection with the subject

property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the subject property to any required controls (e.g., property use restrictions, activity and use limitations, institutional controls, or engineering controls).

A BER is defined in Section 3.2.11 of ASTM Standard Practice E1527-13 as a risk which can have a material environmental or environmentally-driven impact on the business associated with the current or planned use of the subject property.

A *de minimis* condition is defined in Section 3.2.22 of ASTM Standard Practice E1527-13 as a condition that generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be *de minimis* conditions are not RECs nor CRECs.

2.2 SCOPE OF WORK

This investigation was performed in accordance with ASTM Standard Practice E1527-13: *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*, and in accordance with Liberty's Proposal P190740, dated October 23, 2019. Specifically, the scope of work for this Phase I ESA consisted of the following:

- A review of Federal and State environmental databases, made available through Environmental Data Resources, Inc. (EDR). These databases and search radii were in accordance with those specified under ASTM Standard Practice E1527-13 Section 8.2.1, and include federal NPL, CERCLA, RCRA, ERNS, and brownfields/engineering control databases. State UST/AST/leaking tank databases, state equivalent NPL, CERCLA, solid waste, storage tank, brownfields, voluntary cleanup and engineering control databases were also included as part of this review.
- A review of physical setting sources, including USGS 7.5-minute topographic maps or equivalent, USGS or state agency bedrock/surficial geologic and hydrogeologic maps, and NRCS or other soil series maps, and other physical setting sources, as available.

- A review of historical property use and development information for the site and surrounding properties, through reasonably ascertainable sources dating to 1940 or the first developed use. These include one or more of the following: historical fire insurance maps or other historical map sources, aerial photographs, and tax assessment/recorded land title records, street or city directories, municipal zoning, code, building or fire department records, prior assessment reports, or other appropriate sources as warranted to ascertain land use to the dates described above.
- A review of available public records for activity and use limitations (AULs) or liens associated with environmental issues or activities at the subject property through the New York City Department of Finance Office of the City or other publicly available resources.
- A detailed site reconnaissance, with the objective of identifying past and present uses, features and condition of the subject property and adjoining properties, as they pertain to the identification of RECs. The site visit was limited to interior and exterior areas which could be physically and/or visually observed from within the boundaries of the subject property.
- Interviews with persons knowledgeable of the history of the site and surrounding area, including past and/or present site owners, occupants or key site managers, with first-hand knowledge of the subject site. For the subject property, this individual was Mr. Ed Lakaj, the site owner.
- File reviews (or interviews, where feasible) coordinated through local government agencies pertaining to the history of the site and surrounding area, including environmental programs, municipal code enforcement, zoning, fire departments, or other appropriate local sources. For properties within the City of New York, these reviews are conducted in the form of Freedom of Information Law (FOIL) requests through the New York City Department of Health and Mental Hygiene (NYC DOHMH), and the New York City Department of Environmental Protection (NYC DEP). Database searches to obtain records filed within the New York City Department of Buildings (NYC DOB) and Environmental Control Board (ECB) were also performed.
- Liberty reviewed environmental database records for evidence of listings associated with the subject property or properties immediately adjacent to the subject site, which would reflect

conditions that would indicate the likelihood of New York State Department of Environmental Conservation (NYSDEC) program records for the properties. Following a review of the subject property and adjacent properties through the EDR Radius Map Report, Liberty submitted a file review request for the subject property. The NYSDEC file review is further discussed in Section 6.6.

- Completion of the User Questionnaire by the client, conforming to the format presented as Appendix X3 of ASTM Standard Practice E1527-13, which describes any user-provided information concerning known environmental issues affecting the subject property, its planned use, and the conditions of its purchase, as applicable.

This Phase I Environmental Site Assessment report was prepared for, and may be relied upon, by 659 E 222 Street LLC, its counsel and consultants. No other person or organization is entitled to rely on this report without the written authorization of Liberty.

This Phase I ESA was performed by Thomas R. Herold under the supervision of Matthew J. Adukaitis, an environmental professional meeting the qualifications specified in the EPA's All Appropriate Inquiry Final Rule (40 CFR Part 312), Subpart B (312.10).

2.3 DATA GAPS

The following data gap was encountered during the performance of this Phase I ESA, which represent a deletion from the standard scope of work of ASTM Standard Practice E1527-13 and M&T Bank's *Minimum Standards for Environmental Assessment Reports*:

Liberty did not submit a Freedom of Information Law (FOIL) request to review New York City Fire Department (FDNY) files pertaining to the site because FDNY is not currently processing FOIL requests. Liberty does not anticipate that any response from FDNY would significantly change the findings and recommendations in the Phase I ESA report.

Liberty submitted a Freedom of Information Law (FOIL) request to review New York City Department of Health and Mental Hygiene - Bureau of Environmental Health files pertaining to the site. At the time of the report finalization, no response had been received from the agency regarding the request for information. Liberty does not anticipate receiving responses in the near

future, and we do not anticipate that any responses would significantly change the findings and recommendations in the Phase I ESA report.

No other data gaps or other deletions from the standard scope of work of ASTM Standard Practice E1527-13 were encountered during the completion of this report.

3. SITE SETTING

3.1 PROPERTY DESCRIPTION

The subject property is comprised of a rectangular-shaped lot (Block 4824, Lot 25) which is 0.06 acre in size. The property is located along the north side of East 222nd Street in the Borough of the Bronx, approximately 400 feet northwest of its intersection with White Plains Road. The site is situated within a mixed-use area consisting of commercial and residential properties.

Liberty performed a site inspection of the subject property on November 19, 2019. Mr. Ed Lakaj, the site owner, provided access to all portions of the subject property for inspection. The subject property consists of a fenced-in asphalt parking lot with a small storage shed. Several bags of cement were observed in the shed and a one-gallon bottle of antifreeze was observed on the southwest corner of the subject property. A small area in the asphalt near the center of the property appeared to be patched with concrete and an approximately 2-square foot area of staining was observed near the southeast corner of the subject property. The staining appeared to be limited in extent.

A Site Location Map and Site Plan are included as Figures 3-1 and 3-2, respectively. Site photographs from the November 19, 2019 site visit are provided as Appendix A.

3.2 SURROUNDING LAND USE

The following table summarizes the use of the properties surrounding the subject site.

Surrounding Land Use Summary	
North	Residential property with East 223 rd Street beyond.
East	Residential property.
South	(Across East 222 nd Street) Residential property and Bronx Full Gospel Assembly.
West	Residential property.

3.3 SITE BACKGROUND/OPERATING HISTORY

According to site contact interviews, deed records, historical maps, and historical aerial photographs, the subject property has operated as a parking lot since prior to 1951. Prior to 1951,

the subject property appears to have been undeveloped land. The subject property was previously used for parking by the residential building on the adjacent property to the east and is currently used as a private parking lot by the owner. The subject property is currently owned by 659 E 222 Street LLC.

3.4 VAPOR MIGRATION

An evaluation of potential vapor migration risks at the subject property has been performed as part of this Phase I ESA. The evaluation is based on available data and does not include a vapor screening as outlined in ASTM Standard Guide E2600-15: *Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions*. Based on the interviews, records research, and site inspection activities conducted by Liberty as part of this Phase I ESA, no potential vapor migration risks were identified at the subject property at this time.

3.5 TOPOGRAPHY AND DRAINAGE

According to the USGS 7.5-Minute Topographic Quadrangle Map for the site (Flushing, Yonkers, Mount Vernon, and Central Park, 2013), the topography of the site is relatively flat, with an elevation of approximately 130 feet above mean sea level. Regionally, the topography grades generally toward the west toward the Bronx River, located approximately 1,000 feet west of the subject site. Stormwater discharges through surface runoff flows into the municipal sewer system located along East 222nd Street.

3.6 GEOLOGY AND SOILS

According to the United States Geologic Survey (USGS) online Geological Spatial Data, the subject property is underlain by the Manhattan Formation. The Manhattan Formation is generally described as Ordovician-aged amphibolite, gneiss, and pelitic-schist.

According to the United States Department of Agriculture (USDA) Natural Resources Conservation Service (NCRS) Web Soil Survey online database, the subject property is mapped as Urban land-Greenbelt complex (UGB) with 3 to 8 percent slopes. Urban land indicates areas where the native soil horizon has been altered through filling, excavating, or construction.

3.7 WETLANDS MAP REVIEW

No surface water features are located on the property. According to the U.S. Fish & Wildlife Service's National Wetlands Inventory (NWI) Digital Map data for the subject property, no mapped wetland areas are present on or within 0.1 mile of the subject property. Please note that this identification of mapped wetland areas is not intended to supplement, interpret, or replace a field evaluation of wetlands areas by a qualified professional.

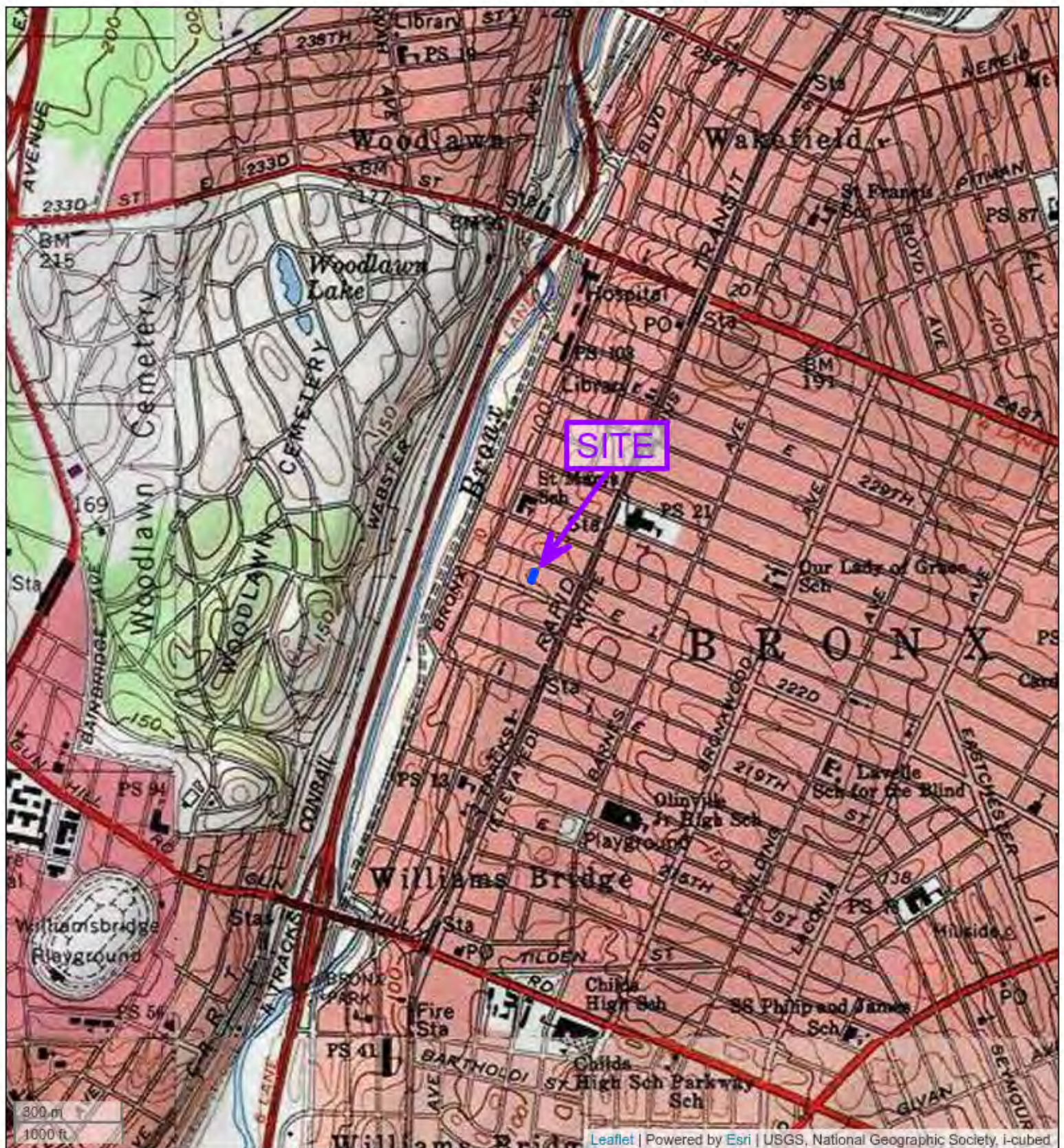


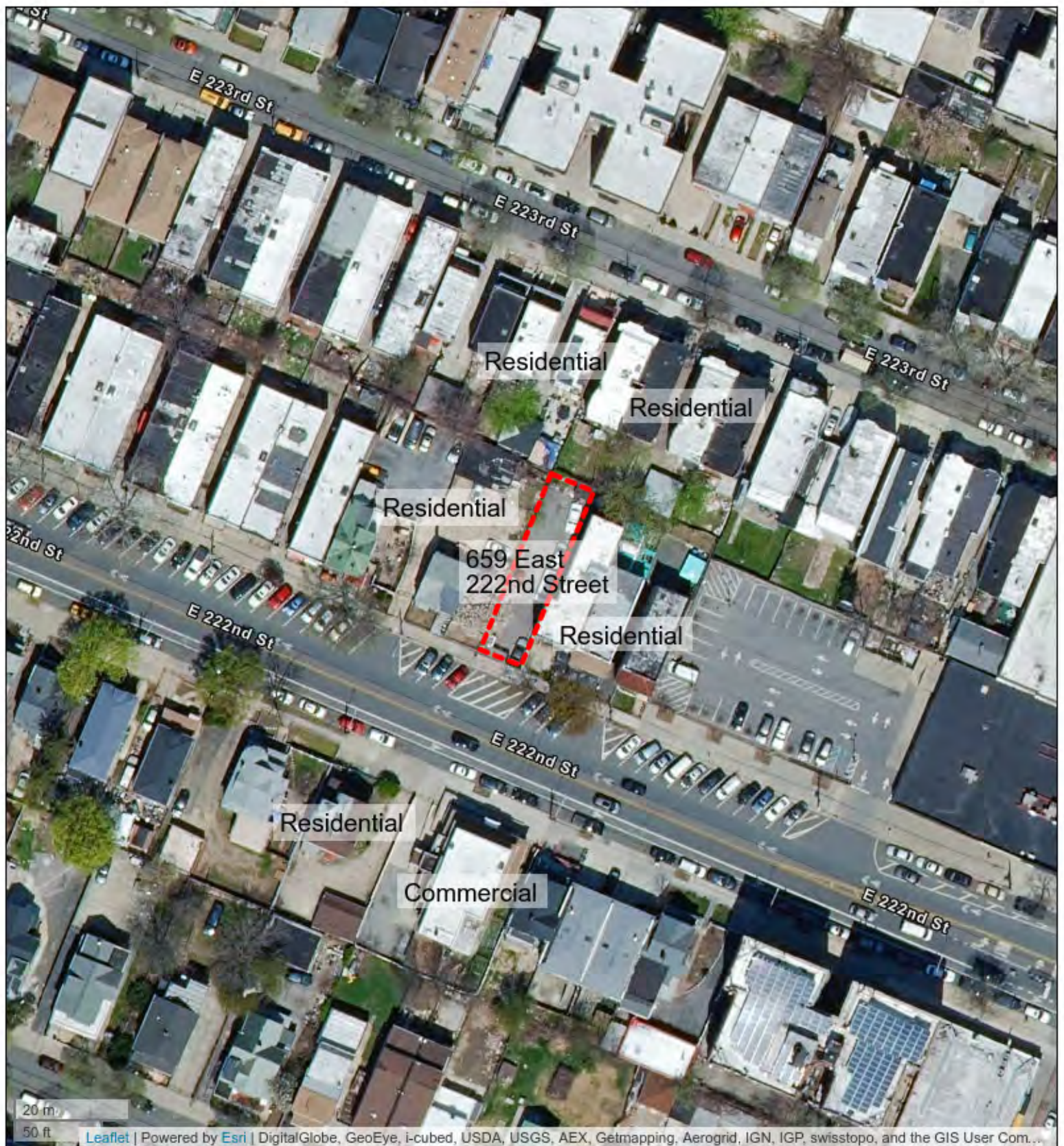
Figure 3-1 - Site Location Map

659 E 222 Street LLC Property
659 East 222nd Street
Bronx, New York 10467

PROJECT NO: 190740.001 | December 9, 2019



505 Penn Street
Suite 400
Reading, PA 19601
Phone: 610-375-9301
www.libertyenviro.com



505 Penn Street
Suite 400
Reading, PA 19601
Phone: 610-375-9301
www.libertyenviro.com

Figure 3-2 - Site Diagram

659 E 222 Street LLC Property
659 East 222nd Street
Bronx, New York 10467
PROJECT NO: 190740.001 | December 9, 2019

4. HISTORICAL RESEARCH

4.1 HISTORICAL AERIAL PHOTOGRAPH REVIEW

Liberty conducted a review of historical aerial photographs to investigate the development and land use history of the site. Aerial photographs from 1924 through 2017 were reviewed through an Aerial Photo Decade Package provided by EDR, Inc. In addition to these photographs, an aerial photograph from 2019 was obtained under licensed use through the Google Earth Pro database. A copy of the 2019 photo is provided as Appendix B. A summary of the historical photograph review is presented in the table below. A copy of the EDR Aerial Photo Decade Package is provided in Appendix C.

Historical Photo Review	
Year	Observations
1924 and 1941	Features are not discernable on the subject property. Buildings can be seen on the adjacent properties to the north, east, west, south, and southwest.
1951 through 2019	The subject property appears to be developed in its current configuration as a parking lot.
Source of Photographs: EDR, Inc. (1924 through 2017); Google Earth (2019).	

4.2 HISTORICAL MAP REVIEW

Liberty performed a search for historical maps of the site, including Sanborn Fire Insurance maps and USGS topographic map quadrangles covering the subject site through EDR, Inc. Liberty obtained copies of Sanborn Fire Insurance maps and USGS topographic quadrangle maps for several years between 1897 and 2013. Copies of the historical Sanborn Fire Insurance maps and topographic maps are provided as Appendix D and Appendix E, respectively. A summary of the historical map review is presented in the tables below.

Historical Fire Insurance Map Review	
Year	Observations
1897	The subject property and adjacent properties to the south (across Eighth Avenue), north, and east are depicted as vacant. Residential dwellings are shown on the adjacent properties to the west and southwest (across Eighth Avenue).
1908	Eighth Avenue is now named East 222 nd Street. A residential dwelling is depicted on the adjacent property to the south (across East 222 nd Street).
1918	A residential dwelling is shown on the adjacent property to the north.
1935 through 1993	An apartment building is depicted on the adjacent property to the east.
1995 through 2007	A church is shown on the adjacent property to the south (across East 222 nd Street).
Source of Maps: EDR-Sanborn, Inc. (all maps).	

Historical USGS Topographic Map Review	
Year	Observations
1897-1900	Features are not depicted on the subject and surrounding properties.
1947	The subject and surrounding properties appear as developed lots with black rectangles representing dense urban development.
1955-1995	The subject and adjoining properties are shaded pink, indicating an area of dense development. Individual features on the subject property and surrounding area are not discernible.
2013	The 2013 USGS map depicts only topographic contours and the street grid. Individual features on the subject property and surrounding area are not discernable.
Source of Maps: USGS/EDR, Inc. (all maps).	

4.3 CITY DIRECTORY REVIEW

Liberty performed a review of prior operations of the component addresses of the site through a contracted City Directory Report, provided by EDR, Inc. The report provides tenant, owner or operation name listings for the referenced properties using directories associated with Cole Information Services, EDR Digital Archive, Hill-Donnelly Corporation, New York Telephone,

and the Manhattan and Bronx Directory Publishing Company Residential Directory. The listings for the tax parcel that includes the subject property are as follows:

659 East 222nd Street

- 1927, 1931, 1940, 1949, 1956, 1961, 1965, 1971, 1976, 1983, 1993, 2000, 2005, 2010, and 2014: Site address not listed.

A copy of the EDR City Directory is included in Appendix F.

4.4 DEED OWNERSHIP RESEARCH

Liberty conducted a review of current and historical deeds for the subject property, in order to trace the historical ownership of the property. Liberty also reviewed the available deeds for liens, limitations and restrictions pertaining to environmental issues. Please note that this review did not constitute a formal title search and is limited to observable language on the traceable deed records only. The review of deeds indicated that the property is owned by 659 E 222 Street LLC. A summary of the deed ownership for the site is presented in the table below.

Tax Map ID: Block 4824, Lot 25

DATE	DOCUMENT ID		GRANTOR	GRANTEE
8/7/2019	2019082000552001		Cerchiara Realty, Inc.	659 E 222 Street LLC
12/13/2003	2004021200622001		Francesco Gallo	Cerchiara Realty, Inc.
9/4/1998	Reel 1575	Page 1089	Gary Lloyd	Francesco Gallo
8/18/1988	Reel 864	Page 1905	Mary Emanuele	Gary Lloyd
8/13/1968	Reel 387	Page 288	Lucy Veteri	Mary Emanuele
<i>End of Traceable Deed</i>				

No environmental limitations, restrictions or any other potential causes for environmental concern were observed in any of the deeds available for review. A copy of the current deed for the site is provided in Appendix G.

4.5 LIEN AND ACTIVITY AND USE LIMITATIONS (AUL) REVIEW

Liberty reviewed the available deeds for language pertaining to liens, limitations and restrictions associated with environmental issues only.

Liberty also searched the New York City Department of Buildings (NYC DOB) online records and reviewed New York City zoning records through the NYC Office of Environmental Remediation Searchable Property Environmental E-Database (OER SPEED) to determine if the

subject property is classified with an “E” designation, indicating the presence of an environmental requirement pertaining to potential hazardous materials contamination, or other environmental concerns. While an “E” designation was not identified through these search methods, the subject property was listed with an “E” designation regarding air quality and hazardous materials in the EDR database and NYC OER website.

These reviews did not identify the presence of environmental liens or AULs associated with the subject property. A copy of the current deed is provided as part of Appendix G.

5. SITE RECONNAISSANCE

On November 19, 2019, Liberty's representative conducted a visual inspection of the subject property. A detailed description of the subject site is provided in Section 3.1. The purpose of the inspection was to visually determine the presence of adverse environmental conditions on or near the subject property. A standard checklist was completed during the visit and is included below.

Inspector: Thomas R. Herold

Findings:

☒ Yes ☐ No

Drums/Barrels/Containers: A one-gallon bottle of antifreeze was observed on the southwest corner of the subject property.

☐ Yes ☒ No

Waste Materials/Piles:

☐ Yes ☒ No

Construction/Demolition Debris:

☒ Yes ☐ No

Surface Staining/Discolored Soil: An approximately 2-square foot area of staining was observed near the southeast corner of the asphalt lot. The staining appeared to be limited in extent.

☐ Yes ☒ No

Spills/Leaks:

☐ Yes ☒ No

Odors:

☐ Yes ☒ No

Leachate Seeps:

☐ Yes ☒ No

Discolored Surface Water:

☐ Yes ☒ No

Unnatural Soil/Fill:

☐ Yes ☒ No

Ash/Blackened Areas:

☐ Yes ☒ No

Storage Tanks:

☐ Yes ☒ No

Process Tanks:

☐ Yes ☒ No

Catchbasins/Floor Drains:

☐ Yes ☒ No

Stressed Vegetation:

☐ Yes ☒ No

Wells, Septic Systems:

☐ Yes ☒ No

Springs/Seeps/Wetlands:

☐ Yes ☒ No

Ponds/Lakes/Streams:

☐ Yes ☒ No

Basins/Pits/Sumps/Lagoons:

☐ Yes ☒ No

Chemical/Petroleum Transfer Points:

☐ Yes ☒ No

Elevators/Hydraulic Lifts:

☐ Yes ☒ No

Transformers and Other PCB-Containing Equipment:

☐ Yes ☒ No

Surrounding area environmental issues:

6. DATABASE REVIEW AND INTERVIEWS

6.1 ENVIRONMENTAL DATABASE REVIEW

Liberty retained Environmental Data Resources, Inc. (EDR) to conduct a search of federal and state environmental databases in the vicinity of the subject site. The search included the list of federal and state environmental regulatory databases and search distances specified in Section 8.2.1 of ASTM Standard Practice E1527-13. The following is a list of databases that were searched as part of this review:

Federal Databases

- National Priority List (NPL) Proposed, Final, Delisted and Lien Sites
- Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Sites, including “No Further Action Planned” (NFRAP) Sites and consent decree/records of decision sites
- Resource Conservation and Recovery Information System (RCRIS) small and large quantity generators, treatment, storage and disposal facilities (TSDF) and corrective action sites (CORRACTS)
- Emergency Response Notification System (ERNS)
- US Environmental Protection Agency (EPA) Engineering Controls Sites List
- US Environmental Protection Agency (EPA) Institutional Controls Sites List
- US Environmental Protection Agency (EPA) Brownfields Sites
- Toxic Chemical Release Inventory System (TRIS)
- Toxic Substances Control Act (TSCA)
- Mines, PCB Activity, Materials Licensing Tracking, and general Facility Index System (FINDS) sites

State Databases

- Hazardous Sites Cleanup Act (HSCA) Sites
- Solids Waste/Landfill Sites, including historical landfill sites
- Regulated and Leaking Underground Storage Tanks (UST/LUST)
- Regulated and Leaking Aboveground Storage Tanks (AST/LAST)
- Archived UST/LUST and AST/LAST Sites

- Unregulated Leaking Tank sites
- Dry-cleaning facilities
- Voluntary cleanup program (VCP) sites, including engineering control and institutional control sites
- State Brownfields sites list
- Tribal Reservations
- Coal Gasification Sites

A copy of the EDR environmental database report is included in Appendix H. Detailed descriptions of each of the searched databases listed above are provided in the EDR report. The results of the federal and state database searches are summarized in the following tables.

FEDERAL DATABASE LISTINGS

Database	Search Radius (mile)	Target Property	Adjoining (<1/8 mile)	1/8 – 1/4 mile	1/4 - 1/2 mile	1/2 - 1 mile	Total Plotted
NPL	1.0	0	0	0	0	0	0
Delisted NPL	0.50	0	0	0	0		0
CERCLIS	0.50	0	0	0	0		0
CERC-NFRAP	0.50	0	0	0	0		0
CORRACTS	1.0	0	0	0	0	0	0
RCRIS-TSDF	0.50	0	0	0	0		0
RCRIS-LQG	TP and Adjoining	0	0				0
RCRIS-SQG	TP and Adjoining	0	0				0
RCRIS-CESQG	TP and Adjoining	0	0				0
RCRIS-Non Gen	TP and Adjoining	0	0				0
ERNS	TP	0					0
Engineering Controls	TP	0					0
Institutional Controls	TP	0					0

STATE DATABASE LISTINGS

Database	Search Radius (mile)	Target Property	Adjoining (<1/8 mile)	1/8 - 1/4 mile	1/4 - 1/2 mile	1/2 - 1 mile	Total Plotted
SHWS	1.0	0	0	0	0	0	0
SWF/LF	0.50	0	0	0	1		1
LUST	0.50	0	0	0	0		0
NY LTANKS	0.50	0	0	11	21		32
LAST	0.50	0	0	0	0		0
UST	TP and Adjoining	0	0				0
Archive UST	TP and Adjoining	0	0				0
AST	TP and Adjoining	0	0				0
Engineering Controls	TP	0					0
Institutional Controls	TP	0					0
AUL	0.50	0	0	0	0		0
VCP	0.50	0	0	1	4		5
Brownfields	0.50	0	0	0	0		0
HIST LF	0.50	0	0	0	0		0
NY Spills	TP and Adjoining	0	0				0
Manifest	0.25	0	0	40			40
“E” Designation	TP	1					1

EDR DATABASE LISTINGS

Database	Search Radius (mile)	Target Property	Adjoining (<1/8 mile)	1/8 - 1/4 mile	1/4 - 1/2 mile	1/2 - 1 mile	Total Plotted
EDR Historical Auto Stations	0.25	0	0	2			2
EDR Historical Dry Cleaners	0.25	0	0	3			3
EDR Manufactured Gas Plant	0.25	0	0	0			0

The subject property was identified in the EDR database as an “E” Designation site. According to the database listing, the subject property was identified with the site number E-279 and was found to have restrictions regarding air quality and hazardous materials.

Numerous other non-adjacent sites were identified on the EDR database. Based on a review of these sites, which included an evaluation of distance, relative elevation, regulatory status or other relevant factors, Liberty has determined that these facilities are not believed to pose an environmental concern.

Based on this information, Liberty submitted a NYSDEC file review request for the subject property. The NYSDEC file review is further discussed in Section 6.6.

6.2 ORPHAN SITE SUMMARY

Orphan sites are properties which, based on limited site information, cannot be accurately depicted geographically. Three orphan sites were identified in the database report.

Based on a search of available address and location information for each orphan site, none of the orphan facilities were found to be present within a default distance of 0.5 mile from the site, and no sites are believed to pose environmental concerns to the subject property.

6.3 OWNER/OCCUPANT INTERVIEWS

Mr. Ed Lakaj, Site Owner

During the November 19, 2019 site visit, Liberty interviewed Mr. Ed Lakaj, the owner of the subject property. Mr. Lakaj has been the owner for approximately three months. Mr. Lakaj stated that the site was previously used for parking by the residential building on the adjacent property to the east and that he was unaware of any prior buildings on the subject property. According to Mr. Lakaj, the subject property is currently being used as a private parking area. Mr. Lakaj was unaware of any aboveground storage tanks (ASTs), underground storage tanks (USTs), spills, buried waste, or wells on the property. He was also unaware of any prior environmental assessments conducted at the subject property.

6.4 NEW YORK CITY FILE REVIEW

New York City Department of Health and Mental Hygiene, Bureau of Environmental Health

On November 13, 2019, Liberty submitted a FOIL request to New York City Department of Health and Mental Hygiene, Bureau of Environmental Health. The submittal requested information

pertinent to lead poisoning at the subject property. Liberty has not received a response at the time of this report.

New York City Department of Buildings

On November 13, 2019, Liberty performed a search of the NYC DOB and ECB online records associated with the subject property. The subject property was not identified in the NYC DOB and ECB online records.

New York City Department of Environmental Protection

On November 13, 2019, Liberty submitted a FOIL request to NYC DEP for the subject property. The submittal requested information pertinent to the environmental conditions of the site, including (but not limited to) emergency response or spill incidents, current or former tank systems, wastes, or other issues of potential concern. Liberty received a response on November 19, 2019, stating that no files were identified.

According to the NYC DEP on-line Clean Air Tracking Systems (CATS) database, the subject property was not identified.

New York City Office of Environmental Remediation

On November 13, 2019, Liberty submitted a FOIL request to NYC OER for the subject property. The submittal requested information pertinent to the environmental conditions of the site, including (but not limited to) emergency response or spill incidents, current or former tank systems, wastes, or other issues of potential concern. Liberty received a response on November 15, 2019, stating that no files were identified regarding the subject property. According to the NYC OER website, E-279 is identified as Williamsbridge/Baychester Rezoning.

Liberty also performed a search of the NYC OER SPEED to determine if the subject property is classified as a brownfield, volunteer cleanup program, hazardous waste, petroleum or chemical bulk storage, petroleum spill, or “E” designation site. According to the database, the subject property was not identified.

6.5 USER QUESTIONNAIRE

Pursuant to Section 6 of ASTM Standard Practice E1527-13, Liberty provided a User Questionnaire to the client for completion. The information provided on the Questionnaire conforms to the format presented as Appendix X3 of E1527-13 and includes information pertaining to known cleanup liens, activity and land use (AUL) restrictions, purchase price comparison to fair market value, and other relevant information known to the User. The completed Questionnaire is provided as Appendix I.

Please also note that in addition to the lien information request noted in the User Questionnaire, Liberty performed a review of available deed records for liens and deed restrictions for the subject property as part of its records review, as described in Section 4.5 of the Phase I ESA.

6.6 NYSDEC FILE REVIEW

As discussed in Section 6.1, Liberty submitted a NYSDEC file review request for the subject property. In addition, online searches were conducted on the NYSDEC Spill Incidents database, Remedial Sites database, and Bulk Storage database.

The subject property was not identified in the NYSDEC Spill Incidents, Remedial Sites, and Bulk Storage databases. Additionally, files were not identified by NYSDEC. According to EDR, the property was identified as an “E” Designation site with the site number E-279. Based on the lack of reported spills or releases at the subject property, Liberty does not believe that RECs exist at the subject property.

7. CONCLUSIONS

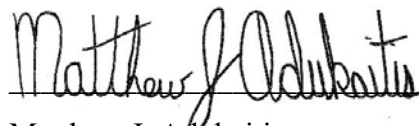
Liberty Environmental, Inc. has completed a Phase I ESA at the property located at 659 East 222nd Street in the Borough of the Bronx, New York. The Phase I ESA was performed in accordance with the scope and limitations of ASTM Standard Practice E1527-13. Any exceptions to, or deletions from, this practice are described in Sections 2.2 and 2.3 of this report.

Based on the interviews, records research and site inspection activities conducted by Liberty as part of this Phase I ESA, no recognized environmental conditions (RECs), controlled recognized environmental conditions (CRECs), historical recognized environmental conditions (HRECs), business environmental risks (BERs), or *de minimis* conditions, as defined in ASTM Standard Practice E1527-13, have been identified on the subject property at this time. However, the subject property was identified as an “E” Designation site with restrictions regarding air quality and hazardous materials. The site was reportedly placed in the “E” Designation Program as part of the Williamsbridge/Baychester Rezoning. According to the NYC OER “E” Designation Program, a site characterization is required as part of any redevelopment of the subject property due to rezoning.

8. ENVIRONMENTAL PROFESSIONAL STATEMENT

This Phase I ESA was performed by Thomas R. Herold and supervised by Matthew J. Adukaitis, an environmental professional meeting the qualifications specified in the EPA's All Appropriate Inquiry Final Rule (40 CFR Part 312), Subpart B (312.10).

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



Matthew J. Adukaitis

Liberty Environmental, Inc.

December 11, 2019

Date

9. LIMITATIONS

This Phase I Environmental Site Assessment has been conducted using applicable professional industry standards, including but not limited to, ASTM Standard Practice E1527-13: *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*. The assessment is limited to those areas that were readily accessible during the site reconnaissance, and those environmental conditions that can be detected by normal visual inspection. As set forth in Section 13.1 of ASTM Standard Practice E1527-13, this assessment does not address naturally-occurring conditions. Liberty has used information provided by interviewees to formulate its conclusions and recommendations, and assumes no responsibility or liability for inaccurate or incomplete data. Comments regarding the condition of the site do not represent a warranty that all areas within the site or surrounding areas are of the same condition as may be inferred from observable site conditions and readily available site background data. There is no guarantee, either expressed or implied, that the site and surrounding areas are free of hazardous substances or petroleum products.

Except as otherwise described herein, the observations noted in the Phase I ESA are not intended to represent or replace the following surveys, searches or inspections:

- Soil or groundwater sampling;
- An asbestos-containing materials (ACM) survey by a licensed asbestos inspector;
- Quantitative lead-based paint survey by a qualified inspector;
- A wetlands delineation or presence/absence survey by a qualified wetlands biologist;
- A full title search for insurance purposes;
- A hazardous building materials survey;
- Microbial matter or mold/mildew evaluation;
- Quantitative vapor intrusion evaluation; and
- Quantitative radon testing.

10. REFERENCES

American Society for Testing and Materials, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process. Designation E1527-13.

Environmental Data Resources, Inc., EDR Radius Map™ Report with Geo-Check, 659 East 222nd Street, Bronx, New York 10467, 11-14-2019.

Environmental Data Resources, Inc., Certified Sanborn® Map Report, 659 East 222nd Street, Bronx, New York 10467, 11-13-2019.

Environmental Data Resources, Inc., EDR Historical Aerial Photographs Report, 659 East 222nd Street, Bronx, New York 10467, 11-14-2019.

Environmental Data Resources, Inc., EDR Historical Topographic Map Report, 659 East 222nd Street, Bronx, New York 10467, 11-13-2019.

Environmental Data Resources, Inc., The EDR-City Directory Abstract, 659 East 222nd Street, Bronx, New York 10467, 11-13-2019.

Fisher, D.W., Isachsen, Y.W., and Rickard, L.V., 1970, Geologic Map of New York State, consisting of 5 sheets: Niagara, Finger Lakes, Hudson-Mohawk, Adirondack, and Lower Hudson, New York State Museum and Science Service, Map and Chart Series No. 15, scale 1:250,000.

Google Inc., 2013. Google Earth Pro (Version 7.1.2.2041) [Software] October 7, 2013. (<http://www.google.com/earth/index.html>)

Historical Sanborn® Fire Insurance Maps

<u>Source</u>	<u>Dates</u>
EDR	1897-2007

Aerial Photographs

<u>Source</u>	<u>Dates</u>
Google Earth	1994-2019
EDR	1924-2017

Historical Topographic Maps

<u>Source</u>	<u>Dates</u>
EDR	1897-2013

Personal Contacts

Mr. Ed Lakaj, Site owner

Agencies

New York State Department of Environmental Conservation

New York City Department of Environmental Protection

New York City Department of Buildings

New York City Department of Health and Mental Hygiene

New York City Office of Environmental Remediation

APPENDIX B: ARCHITECTURAL DRAWINGS

NEW TEN FAMILY RESIDENCES

#659 E 222nd STREET
BRONX, N.Y. 10467
BLOCK: 4824 LOT: 25

FRED GEREMIA

ARCHITECTS & PLANNERS, PLLC
443 Fifth Avenue, Peltum, NY 10803
(914) 235-3022 (4 3087)
fred@geremia.com

GEREMIA & ASSOCIATES, INC. IS AN AFFILIATE OF
GEREMIA & ASSOCIATES, INC. IS AN AFFILIATE OF
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***	DOB SUBMISSION
Date	Action
D.O.B. Job #	220727569

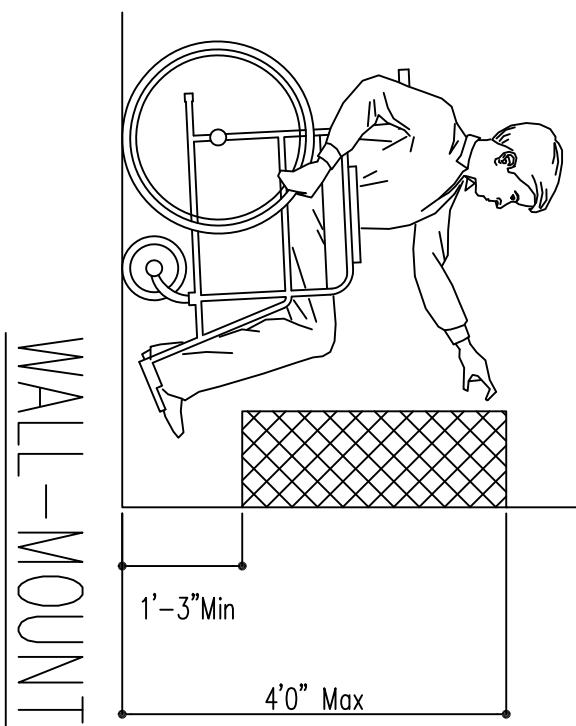
DOB EXAMINER'S STAMP/SIGNATURE

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#659 E 222nd STREET

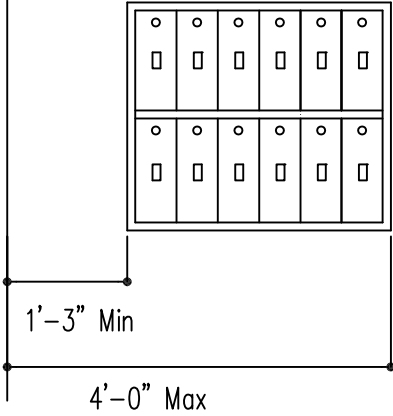
BRONX, New York 10467

FOUNDATION PLAN
FIRST TO THIRD FLOOR PLANS
WALL-MOUNTED MAIL-BOXES
HANDICAP ADAPTABLE BATH

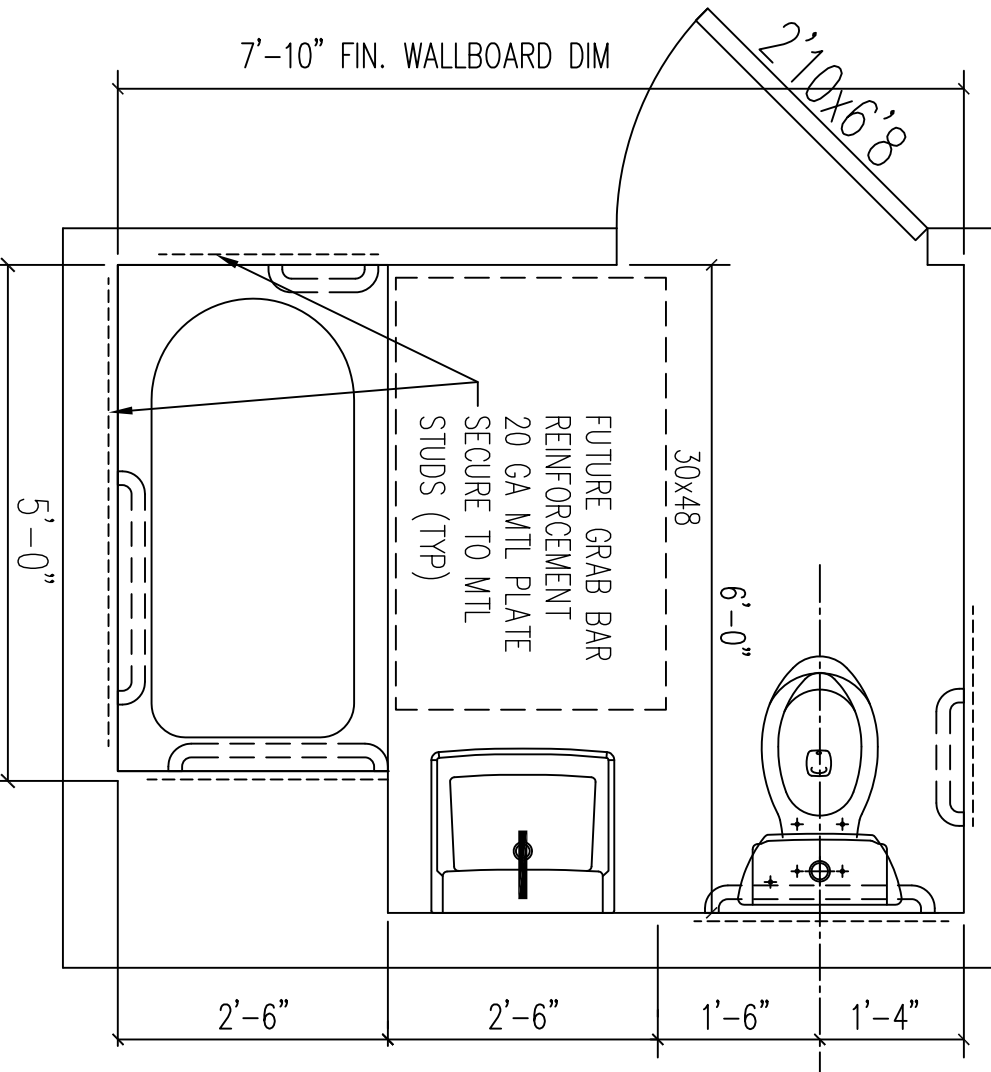
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Project No.	1984
Drawn by	EW
Checked by	AL
Dwg. No.	A-003.00



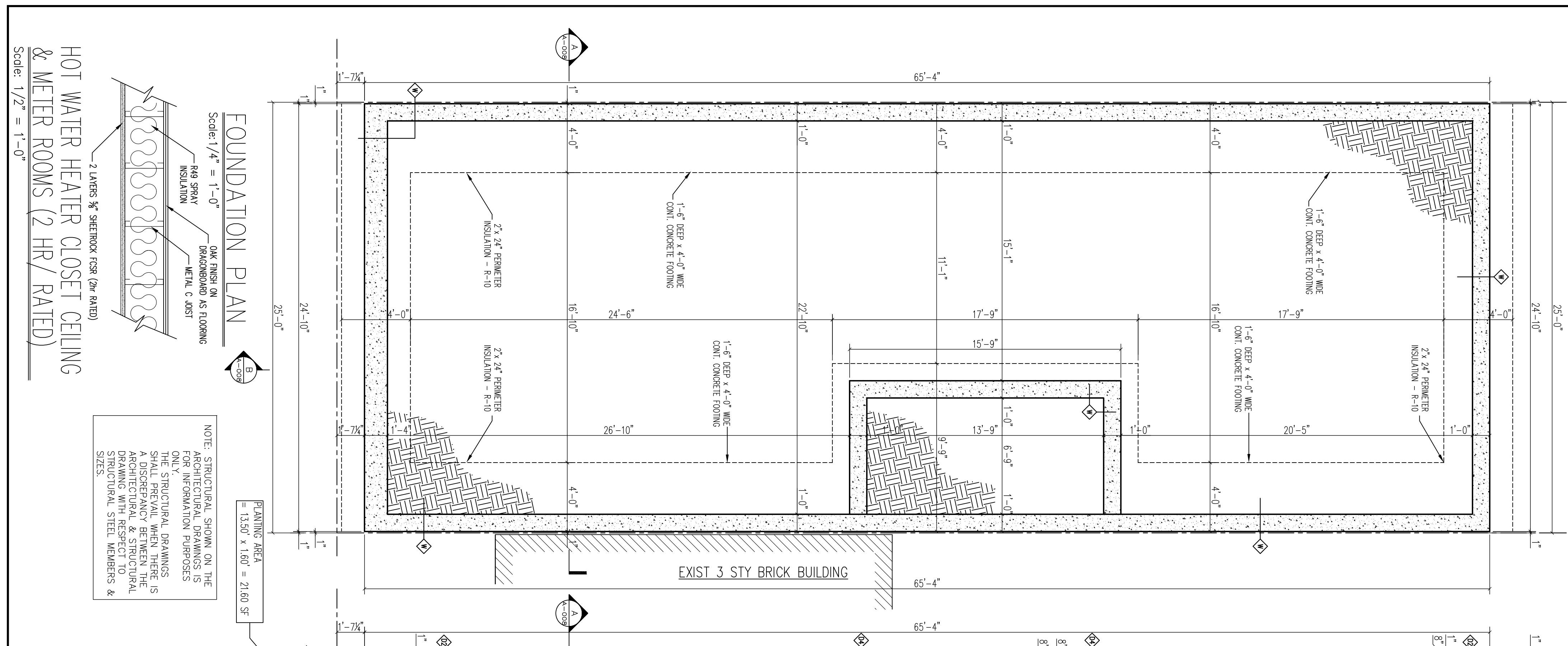
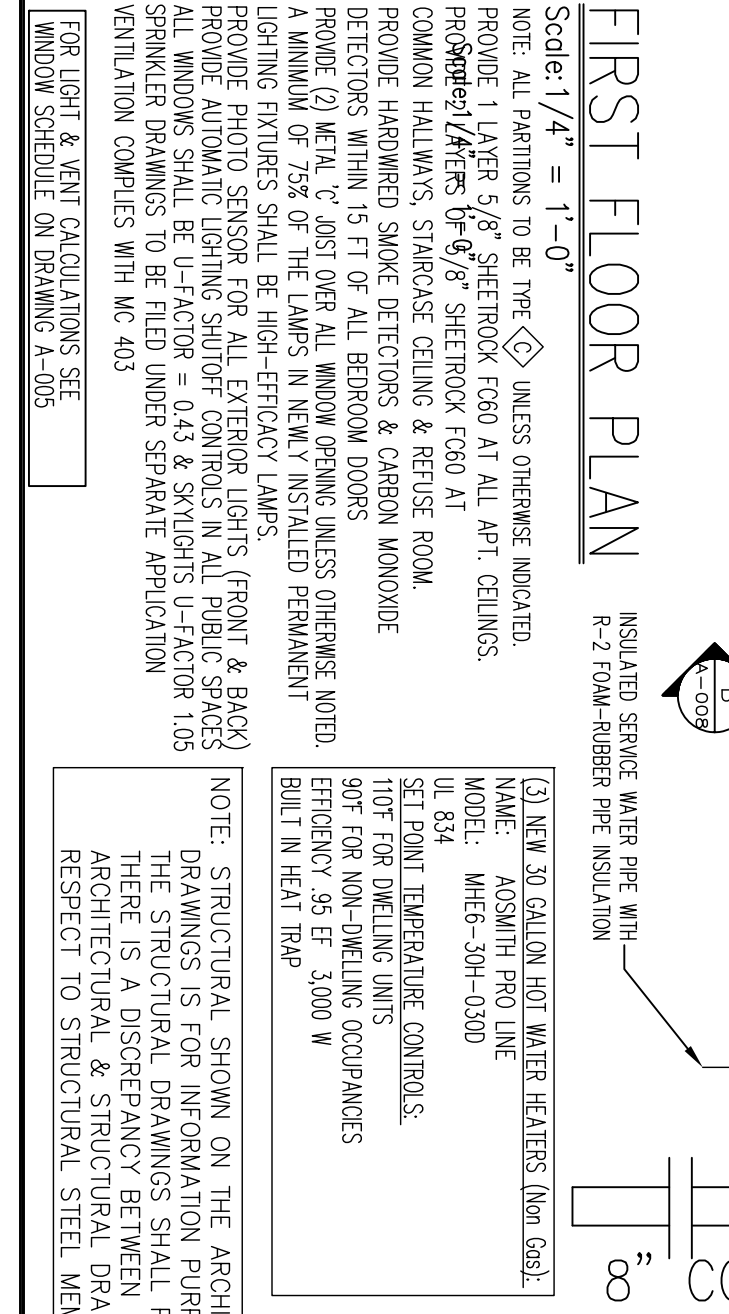
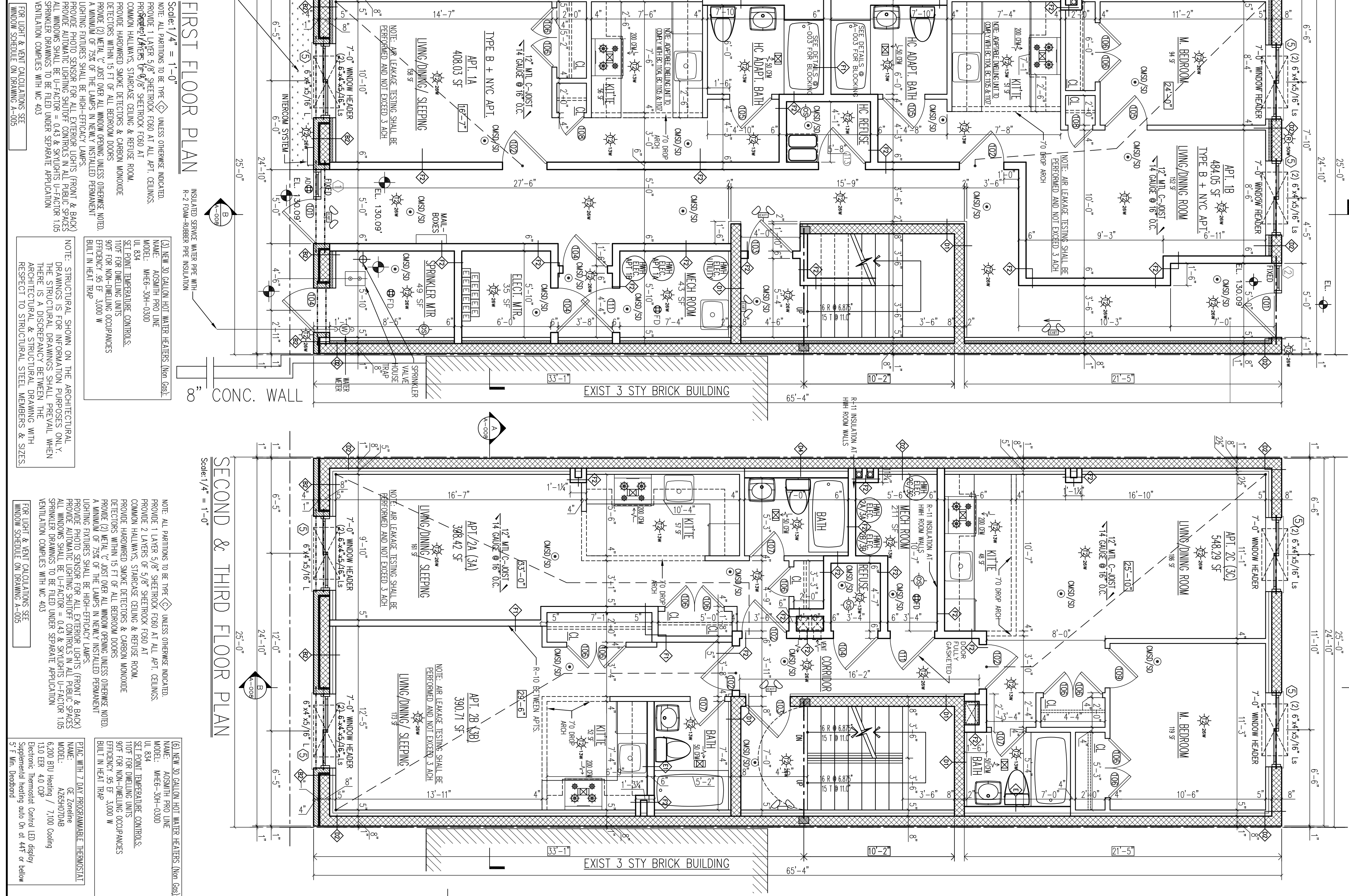
WALL-MOUNTED MAILBOXES



HANDICAP ADAPTABLE BATH,
APTS. 1A & 1B
NOT TO SCALE



Lois, Ely 222nd Street, DOB Stamp



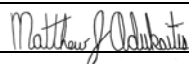
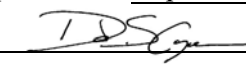
APPENDIX C: HEALTH AND SAFETY PLAN



Liberty Environmental, Inc. Site Health & Safety Plan

Note: As of March 26, 2020, the provisions of this Plan will also include the procedures set forth in Liberty's Supplement, 'COVID-19 Pandemic Health and Safety Guidelines'. A hard copy of this Supplement will be carried to the project site together with this Site-Specific HASP.

1. General Information

Project Name: Subsurface Investigation Project Number: 190740
Site Address: 659 East 222nd Street Project Manager: Matthew J. Adukaitis
Bronx, NY
HASP Prepared By: Thomas R. Herold Date Prepared: April 13, 2020
HASP Approved By:  
Date Approved: 4/13/2020 4/13/2020

TEAM MEMBER	RESPONSIBILITIES
David Coyne	Health and Safety Coordinator
Matthew J. Adukaitis	Project Manager
Thomas R. Herold	Site Health and Safety Representative/Geologist
Thomas R. Herold	Field Tech

Is a One Call/Dig Safe Required? ☒ Yes ☐ No

Serial No. To be Determined Lawful Start Dates: To be Determined

2. Training and Medical Surveillance

Training Level Required:

- ☒ HAZWOPER 40/8 hour, First Aid, CPR
- ☐ Specialty (e.g., confined space, lockout/tagout, Troxler radiation safety)

List: _____

Medical Surveillance Level Required

- ☒ HAZWOPER physical
- ☐ Special medical tests

List: _____

Exceptions/Modifications to training or medical surveillance required: None

3. Personal Protection

Based on evaluation of potential hazards, the following levels of personal protection have been designated for the applicable work areas or tasks:

LOCATION	JOB FUNCTION	LEVEL OF PROTECTION			
Soil Borings	Installation and sampling	<input checked="" type="checkbox"/> D	<input type="checkbox"/> C	<input type="checkbox"/> B	<input type="checkbox"/> A
Groundwater wells	Installation and sampling	<input checked="" type="checkbox"/> D	<input type="checkbox"/> C	<input type="checkbox"/> B	<input type="checkbox"/> A
Soil Vapor Points	Installation and sampling	<input checked="" type="checkbox"/> D	<input type="checkbox"/> C	<input type="checkbox"/> B	<input type="checkbox"/> A

Specific protective equipment for each level are as follows: ¹

<p><u>Level A</u> Respiratory: <input type="checkbox"/> SCBA <input type="checkbox"/> Air-Line Supplied Air Respirator <input type="checkbox"/> Other (describe)</p>	<p><u>Level B</u> Respiratory: <input type="checkbox"/> SCBA <input type="checkbox"/> Air-Line Supplied Air Respirator <input type="checkbox"/> Other – Level C-D plus the following exceptions/modifications</p>
<p><u>Level C</u> Respiratory – Air-purifying respirator with cartridge/canister type: <input type="checkbox"/> HEPA, acid gas, organic vapors (e.g., MSA GMC-H) <input type="checkbox"/> HEPA only <input type="checkbox"/> Other – Level D plus the following exceptions/modifications -</p>	<p><u>Level D</u> Respiratory – None Other: <input checked="" type="checkbox"/> Safety glasses <input checked="" type="checkbox"/> Hard hat² <input checked="" type="checkbox"/> Safety shoes <input checked="" type="checkbox"/> Hearing protection³ <input type="checkbox"/> Snake chaps/Gaiters⁴ <input checked="" type="checkbox"/> Protective clothing and/or gloves required (i.e., modified Level D) <input type="checkbox"/> Other (describe):</p>
<p>Other skin, eyes, and fall protection required: Gloves: <input type="checkbox"/> Butyl rubber <input type="checkbox"/> PVC-coated <input type="checkbox"/> Neoprene <input type="checkbox"/> Nitrile <input type="checkbox"/> Other (describe)</p>	
<p>Radiation Safety: <input type="checkbox"/> Dosimeter Badge <input type="checkbox"/> Other (describe)</p>	
<p>Protective clothing: <input type="checkbox"/> Tyvek ® or equivalent <input type="checkbox"/> Tyvek ® polyethylene-coated or equivalent <input type="checkbox"/> Tyvek ® Saranex® or equivalent <input type="checkbox"/> Other (describe)</p>	

¹ See Liberty Health and Safety Manual for minimum criteria.

² Hard hats are only required when overhead hazards are expected, such as when drilling, advancing soil borings, and performing soil excavation activities.

³ Hearing protection is required when site activities produce sounds greater than 85dB, such as when drilling, advancing soil borings, inside remediation systems, operating generators, activities around large machinery (vacuum trucks).

⁴ Snake chaps are only required when site activities include walking through undeveloped areas where snake activity is known or when visibility is limited.

Criteria for changing protection levels are as follows:

CHANGE:	APPROVALS REQUIRED ¹		
	HSR	PM	CHSM
To Level C when PID deflections in the breathing zone consistently exceed 10 ppm for a period of 60 minutes and engineering measures do not resolve the vapor issue.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
To Level when	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
To Level when	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
To Level when	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Evacuate the area when continuous PID reading is:			

- ¹
- HSR: On-site Health & Safety Representative
 - PM: Project Manager
 - CHSM: Corporate Health & Safety Manager

Changes to the level of protection shall be made after the required approvals are obtained. All changes shall be recorded in the field log and reported to the HSC as soon as possible.

4. Air Monitoring

The following monitoring instruments shall be used on-site to measure airborne containment concentrations in the breathing zone:

INSTRUMENT	FREQUENCY OF MONITORING
<input type="checkbox"/> Combustible Gas Indicator	
<input type="checkbox"/> O ₂ Monitor	
<input type="checkbox"/> Colorimetric Tubes (type)	
<input checked="" type="checkbox"/> PID	periodic
<input type="checkbox"/> FID	
<input type="checkbox"/> Other (specify)	

5. Site Control (Describe or attach sketch)

Work Zones:

Support Zone: Greater than 10 feet of heavy equipment or sampling area.

Contamination Reduction Zone (area used for decontamination): Within 10 feet of heavy equipment or sampling area.

Exclusion Zone (area considered contaminated or otherwise hazardous to safety): Within 10 feet of heavy equipment or sampling area.

Site Entry Procedures:

- ☐ Notify Site Health and Safety Representative.
- ☒ Read Health & Safety Plan and sign Acknowledgment Statement.
- ☐ Check in with facility security guard.
- ☒ Wear proper personal protective equipment.
- ☐ Attend facility orientation.
- ☒ Conduct “Toolbox” safety meeting.
- ☐ Other (specify):

Decontamination Procedures:

Personnel: shower as soon as practical

Equipment: wipe PID with paper towel; clean equipment with alconox/potable water

Investigation-derived Material Disposal:

- ☒ Leave on site for disposal.
- ☐ Other (describe)

Work Limitations (time of day, buddy system, etc.): none

Troxler Radiation Safety:

- ☐ Radiation information is not applicable to this project.
- ☐ Notify RSO.
- ☐ Wear dosimeter badge when handling gauge.
- ☐ Post applicable radiation signs.
- ☐ Post emergency numbers.
- ☐ Provide at least two lock systems for overnight storage.
- ☐ Maintain storage at least 15 feet from full-time workstations.
- ☐ Block and brace gauge during “all” transportation.
- ☐ Limit “public” exposure to gauge while in use.
- ☐ Provide sketch of gauge storage to RSO.

6. Contingency Planning

LOCAL EMERGENCY RESOURCES:	
Ambulance:	911
Hospital Emergency Room:	911
Poison Control Center	New York City (212) 764-7667
Police:	911
Fire Department:	911
USEPA Contact:	
Other (Troxler, NRC, Agreement State Agency, etc.):	

SITE RESOURCES:	
Water Supply (Type/Location):	Onsite public water
Liberty Cell:	(330) 806-0056
Other:	

EMERGENCY CONTACTS:		
Liberty Technical Contact:	Matthew J. Adukaitis	(610) 288-1535
Liberty Project Manager	Matthew J. Adukaitis	(610) 288-1535
Liberty Corporate Health & Safety Manager:	David Coyne	(484) 955-7884
Radiation Safety Officer:	David Coyne	(484) 955-7884
Liberty Health & Safety Coordinator:	David Coyne	(484) 955-7884
Contractor Office Contact:		
Field Contact:	Thomas R. Herold	(330) 806-0056
Client Contact:	Ed Lakaj	(212) 300-6048

EMERGENCY ROUTES (give directions or attach map):	
Nearest Hospital Name and Address:	Montefiore Medical Center, Wakefield Campus Emergency Room
	600 E 233 rd St, Bronx, NY 10466
Emergency Room Phone Number	(718) 920-9000
Other Nearby Facility (Urgent Care, Patient First, ...):	
Other Phone Number:	

If an emergency develops at the site, the discoverer will take the following course of action:

- Notify the proper emergency services (fire, police, ambulance, etc.) for assistance. **Dial 911**
- Notify other affected personnel at the site.
- Contact Liberty and the client representative to inform them of the incident as soon as possible.

- Prepare a summary report of the incident for Liberty and the client representative.

Emergency Equipment Required On-site:

- | | |
|--|--|
| <input checked="" type="checkbox"/> First Aid/Bloodborne Pathogens Kit | <input type="checkbox"/> Fire Extinguisher |
| <input type="checkbox"/> Eye Wash | <input type="checkbox"/> Spill Control Media |
| <input type="checkbox"/> Shower | <input type="checkbox"/> Other: (describe) |
| <input type="checkbox"/> Other: (describe) | <input type="checkbox"/> Other: (describe) |

7. Acknowledgement

Acknowledgement Statement:

I have reviewed the Hazard Assessment and Site Health & Safety Plan. I hereby acknowledge that I have received the required level of training and medical surveillance, that I am knowledgeable about the contents of this site-specific Health & Safety Plan, and that I will use personal protective equipment and follow procedures specified in the Health & Safety Plan.

Signatures of Liberty and Subcontractor Site Personnel (Required):

_____	Date: _____
_____	Date: _____
_____	Date: _____
_____	Date: _____
_____	Date: _____
_____	Date: _____
_____	Date: _____
_____	Date: _____

Attachments: Hazard Assessment
Map to Hospital



Attachment A Hazard Assessment

1. General Information

Proposed Scope of Work and Specific Tasks (include all that apply):

Geophysical Survey
Soil Boring Installation
Soil Sampling
Temporary Well Installation
Groundwater Sampling
Soil Vapor Point Installation
Soil Vapor Sampling

**Liberty Role
On-site:**

- ☐ Resident Project Representative (*e.g.*, “Observe and Document”)
☐ Construction Manager (*e.g.*, Managing Contractor/General Contractor)
☒ Representative for Client (*e.g.*, “Agent for Owner”)
☐ Other (describe)

Proposed Dates of On-site Work: To Be Determined

Background Information Review: ☐ Preliminary ☒ Moderate ☐ Substantial

Documentation/Summary Overall Hazard: ☐ Serious ☐ Moderate
☒ Low ☐ Unknown

2. Site Characterization

Facility Description: The property consists of an asphalt lot.

Status: ☐ Active ☒ Inactive ☐ Unknown

Operations (current and past): N/A

Unusual Features (utilities, terrain, etc.): N/A

History (worker or nonworker injury, complaints from public, previous agency action):
Unknown

3. Site Classification

Site Type Allocated:

- ☒ 1 Known or controlled hazards ☐ 2 Unknown hazards ☐ 3 Regulated by 29 CFR 1910.120

Comments:

4. Hazard Evaluation

SUBSTANCE NAME	PHYSICAL STATE	KNOWN CONCENTRATION LEVELS PRESENT	POTENTIAL ROUTES OF EXPOSURE	ACGIH TLV	OSHA PEL
Benzene	Liquid/Vapor		inhalation, skin absorption, ingestion, skin and/or eye contact		1 ppm
Toluene	Liquid/Vapor		inhalation, skin absorption, ingestion, skin and/or eye contact		200 ppm
Ethylbenzene	Liquid/Vapor		inhalation, ingestion, skin and/or eye contact		100 ppm
o- Xylene	Liquid/Vapor		inhalation, skin absorption, ingestion, skin and/or eye contact		100 ppm
m- Xylene	Liquid/Vapor		inhalation, skin absorption, ingestion, skin and/or eye contact		100 ppm
p- Xylene	Liquid/Vapor		inhalation, skin absorption, ingestion, skin and/or eye contact		100 ppm
Naphthalene	Liquid/Vapor		inhalation, skin absorption, ingestion, skin and/or eye contact		10 ppm
Cumene (Isopropylbenzene)	Liquid/Vapor		inhalation, skin absorption, ingestion, skin and/or eye contact		50 ppm
MTBE	Liquid/Vapor		inhalation, skin absorption, ingestion, skin and/or eye contact		n/a
1,3,5-trimethylbenzene	Liquid/Vapor		inhalation, ingestion, skin and/or eye contact		n/a
1,2,4-trimethylbenzene	Liquid/Vapor		inhalation, ingestion, skin and/or eye contact		n/a
Ethylene dibromide (EDB)	Liquid or Solid		inhalation, skin absorption, ingestion, skin and/or eye contact		20 ppm
Ethylene dichloride (EDC)	Liquid		inhalation, ingestion, skin absorption, skin		50 ppm

			and/or eye contact		
Lead	Solid		inhalation, ingestion, skin and/or eye contact		0.050 mg/m ³
Arsenic	Solid		inhalation, ingestion, skin and/or eye contact		0.5 mg/m ³
Mercury	Liquid		inhalation, skin absorption, ingestion, skin and/or eye contact		0.1 mg/m ³

This list is based on our preliminary evaluation, indicating that these are the major risks identified. Blanks indicate data not available.

Ionizing Radiation:

Did the “client” use radioactive materials on site, past or present: ☐ Yes (complete table below) ☒ No

Possibility of contamination or exposure due to past or present use of radioactive materials: ☐ Yes (complete table below) ☒ No

SOURCE	QUANTITY	PHYSICAL STATE	POTENTIAL OF EXPOSURE	CONTROL MEASURE

If the answers to the above questions are both No, this table will remain blank.

Will a nuclear moisture/density or XRF gauge be used on site? ☐ Yes (see below) ☒ No

If yes, will it be a Liberty gauge? ☐ Yes (see below) ☒ No (see Subcontractor H&S Qualifications/Performance Form)

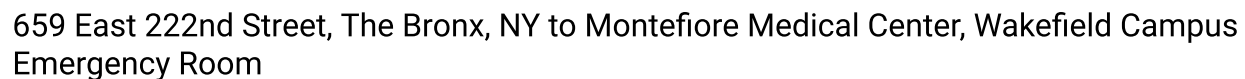
If the answer to any questions in this section is “Yes,” send a copy of the Hazard Assessment and Health & Safety Plan to the Liberty Radiation Safety Officer (RSO).

Physical Safety Hazards On-Site and Control Measures

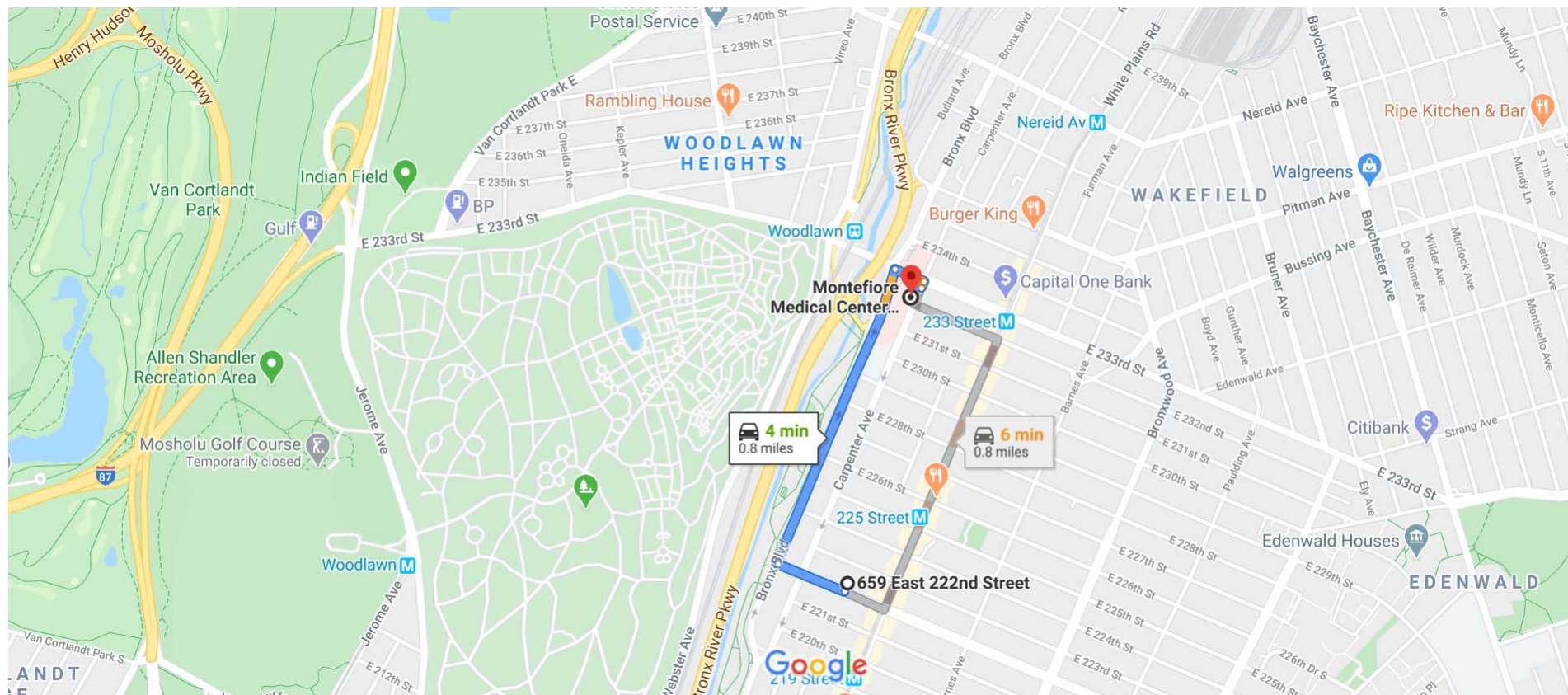
HAZARD	CONTROL MEASURE
Cold Stress	Consume proper fluids, dress appropriately, and take breaks in warm areas as needed.
COVID-19	Wear masks and gloves, practice social distancing, and

	washing/sanitize hands and equipment.
Heavy Equipment	Stay out of way of heavy equipment
Organic Vapor Exposure	Monitor per Plan.
Vehicle Traffic	Wear high visibility clothing.

ATTACHMENT B: MAP TO HOSPITAL




Drive 0.8 mile, 4 min

Map data ©2020 1000 ft

659 E 222nd St


The Bronx, NY 10467

1. Head northwest on E 222nd St toward Carpenter Ave
Pass by Indoff Inc (on the left)
0.1 mi
2. Turn right onto Bronx Blvd
0.6 mi

- 


3.

Turn right onto E 233rd St

302 ft
- 


4.

Turn right at the 1st cross street onto Carpenter Ave

62 ft
- 

5.

Turn right

 Destination will be on the left

56 ft

Montefiore Medical Center, Wakefield Campus
Emergency Room

600 E 233rd St, The Bronx, NY 10469

These directions are for planning purposes only. You may find that construction projects, traffic, weather, or other events may cause conditions to differ from the map results, and you should plan your route accordingly. You must obey all signs or notices regarding your route.

APPENDIX D: SOIL BORING LOGS



SOIL BORING/WELL CONSTRUCTION LOG

Project #: 190740	Project Name: 659 E 222nd St	Driller: Carlos E/Phase 2
Boring #: SB-1	Date: April 14, 2020	Page 1 of 1
Method: Geoprobe	Scientist: TRH	Boring Location: Basement

Depth (ft)	PID (ppm)	Recovery (ft)	Moisture	Sample I.D.	Description	USCS	Remarks
8:35 1	0.0	4	Slight	SB-1 @ 1-2' 8:40	6" Asphalt		
2	0.0				light brown medium sand		
3	0.0				light brown silty sand	SM	
4	0.0						
5	0.0						
8:45 6	0.0	4	Slight to moist	SB-1 @ 5-6' 8:50	brown medium grained sand	S	
7	0.0						
8	0.0						
9	0.0						
10	0.0						
8:55 11	0.0	4	Moist to Very moist		light brown sandy silt		
12	0.0					SM	GLW @ 12'-13'
13	0.0						
14	0.0						
15	0.0						
9:05 16	0.0	3	Saturated		1' brown silty sand to brown silty clay	SM	
17	0.0					SC	
18	0.0				Refusal at 18'		
19							
20					no logs throughout		
21					well set to 17' BGS		
22					10' screen		
23							
24							



SOIL BORING/WELL CONSTRUCTION LOG

Project #: 190740		Project Name: 659 E 222nd St		Driller: <i>Carlos</i>	
Boring #: <i>SB-2</i>		Date: April 14, 2020		Page 1 of 1	
Method: Geoprobe		Scientist: TRH		Boring Location: Basement	

Depth (ft)	PID (ppm)	Recovery (ft)	Moisture	Sample I.D.	Description	USCS	Remarks
1	0.1	2	Slight	<i>SB-2</i> @ 1-2' 9:50	6" asphalt	SM	
2	0.0				brown sandy silt		
3	0.0				3" white rock		
4	0.0				5" brown sandy silt		
5	0.0						
6	0.0	3	Slight	<i>SB-2</i> @ 5-6' 10:05	brown silty sand	SM	
7	0.0						
8	0.0						
9	0.0						
10	0.0						
11	0.0	}	Slight to very moist		Brown sandy silt	SM	GW @ 12'
12	0.0				GW @ 12'		
13	0.0						
14	0.0						
15	0.0				Refusal @ 14'		
16					No odors		
17					Installed well to 14'		
18					Installed Vapor point to 2'		
19							
20							
21							
22							
23							
24							



Liberty
Environmental, Inc.

SOIL BORING/WELL CONSTRUCTION LOG

Project #: 190740	Project Name: 659 E 222 nd St	Driller: Carlos Espinoza
Boring #: SB-3	Date: April 14, 2020	Page 1 of 1
Method: Geoprobe	Scientist: TRH	Boring Location: Basement

Depth (ft)	PID (ppm)	Recovery (ft)	Moisture	Sample I.D.	Description	USCS	Remarks
10:30	0.0	}	Slight	SB-3 @ 1'-2' 10:35	6" Asphalt	SM	
2	0.0				brown sandy silt		
3	0.0				No odors		
4	0.0						
5	0.0						
10:40	0.0	}	11	SB-3 @ 5'-6' 10:55	brown sandy silt	SM	
7	0.0				2" layer of asphalt		
8	0.1				@ 6'		
9	0.1				brown sandy silt		
10	0.0				No odors		
10:52	0.0	}	Slight to very moist		brown sandy silt	SM	GW @ 13'
12	0.0						
13	0.0				Saturated at 13'		
14	0.0				No odors		
15	0.0						
11:02	0.0	}			dark brown sandy silt	SM	
16	0.0				"Saturated"		
17	0.0				Refusal @ 16"		
18	0.0				Set well to		
19					Set vapor point		
20							
21							
22							
23							
24							



SOIL BORING/WELL CONSTRUCTION LOG

Project #: 190740		Project Name: 659 E 222 nd St		Driller: <i>Carlos</i>	
Boring #: <i>SB-4</i>		Date: April 14, 2020		Page 1 of 1	
Method: Geoprobe		Scientist: TRH		Boring Location: Basement <i>IV</i>	

Depth (ft)	PID (ppm)	Recovery (ft)	Moisture	Sample I.D.	Description	USCS	Remarks
12:00 1	0.0	}	Slight	SB-4	6" Asphalt	SM	
2	0.0			@ 1-2'	light brown sandy silt		
3	0.0			12:05	No odor		
4	0.0			SB-4			
5	0.0			@ 4-5'			
12:10 6	0.0	}	Slight		Brown sandy silt	SM	
7	0.0				No odor		
8	0.0						
9	0.0						
10	0.0						
12:15 11	0.0	}	Slight to moist		11	SM	
12	0.0				Saturated at ~12'		
13	0.0				No odors		
14	0.0						
15	0.0						
16					Bottom of Borehole		
17					No well		
18							
19							
20							
21							
22							
23							
24							

APPENDIX E: SOIL VAPOR SAMPLING LOG



Liberty
Environmental, Inc.

Date: 4/15/2020
Starting Temp.: 42°F
Ending Temp.: 50°F

AIR SAMPLING LOG

Client: 659 E 222 St
Site Location: 659 E 222 St
Weather: partly cloudy

Project No: 190740
Field Person: TRH
Baro Pressure:

Location Name	Location Description	SUMMA Canister ID	Flow Regulator ID
SV-1	SE	461	5707
SV-2	W	28308	6864
SV-3	E	17352	6868
SV-4	NE	18317	5415
SV-Duplicate		22081	6862

Location	SV-1		SV-2		SV-3		SV-4		SV-Duplicate	
	Time	Pressure (-psi)	Time	Pressure (-psi)	Time	Pressure (-psi)	Time	Pressure (-psi)	Time	Pressure (-psi)
Prior (Ambient)										
Test Start (0 min)	13:30	-30	13:30	-28	13:30	-27	13:30	-27	13:30	-30
min	13:45	-27	13:45	-25	13:45	-24	13:45	-24	13:45	-27
min	14:00	-25	14:00	-22	14:00	-21	14:00	-21	14:00	-25
min	14:15	-21	14:15	-18	14:15	-18	14:15	-18	14:15	-21
min	14:30	-18	14:30	-15	14:30	-15	14:30	-15	14:30	-17
min	14:45	-15	14:45	-12	14:45	-12	14:45	-11	14:45	-16
min	15:00	-12	15:00	-9	15:00	-8	15:00	-8	15:00	-14
min	15:15	-9	15:15	-5	15:15	-5	15:15	-5	15:15	-12
min	15:30	-6	15:30	-2	15:30	-3	15:30	-2	15:30	-9
min										
min										
min										
min										
Test End										
Test Duration	2hr		2hr		2hr		2hr		2hr	

APPENDIX F: LABORATORY DATA DELIVERABLE FOR SOIL AND GROUNDWATER



Technical Report

prepared for:

Liberty Environmental, Inc
131 Varick Street, Suite 1022
New York NY, 10013
Attention: Tom Herold

Report Date: 04/24/2020
Client Project ID: 190740 659 E. 222 St
York Project (SDG) No.: 20D0471

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

120 RESEARCH DRIVE
www.YORKLAB.com

STRATFORD, CT 06615
(203) 325-1371



132-02 89th AVENUE
FAX (203) 357-0166

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 04/24/2020
Client Project ID: 190740 659 E. 222 St
York Project (SDG) No.: 20D0471

Liberty Environmental, Inc
131 Varick Street, Suite 1022
New York NY, 10013
Attention: Tom Herold

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 16, 2020 and listed below. The project was identified as your project: **190740 659 E. 222 St.**

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>
20D0471-01	SB-1@1'-2'	Soil	04/15/2020	04/16/2020
20D0471-02	SB-1@5'-6'	Soil	04/15/2020	04/16/2020
20D0471-03	SB-2@1'-2'	Soil	04/15/2020	04/16/2020
20D0471-04	SB-2@5'-6'	Soil	04/15/2020	04/16/2020
20D0471-05	SB-3@1'-2'	Soil	04/15/2020	04/16/2020
20D0471-06	SB-3@5'-6'	Soil	04/15/2020	04/16/2020
20D0471-07	SB-4@1'-2'	Soil	04/15/2020	04/16/2020
20D0471-08	SB-4@4'-5'	Soil	04/15/2020	04/16/2020
20D0471-09	SB-Duplicate	Soil	04/15/2020	04/16/2020
20D0471-11	GW-1	Water	04/15/2020	04/16/2020
20D0471-12	GW-2	Water	04/15/2020	04/16/2020
20D0471-13	GW-3	Water	04/15/2020	04/16/2020

General Notes for York Project (SDG) No.: 20D0471

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: 04/24/2020





Sample Information

Client Sample ID: SB-1@1'-2'

York Sample ID: 20D0471-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20D0471

190740 659 E. 222 St

Soil

April 15, 2020 8:40 am

04/16/2020

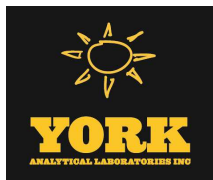
Volatile Organics, 8260 - Comprehensive

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		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:14	AB
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:14	AB
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:14	AB
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/17/2020 09:30	04/17/2020 16:14	AB
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:14	AB
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:14	AB
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:14	AB
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:14	AB
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	04/17/2020 09:30	04/17/2020 16:14	AB
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:14	AB
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:14	AB
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.5	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:14	AB
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:14	AB
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:14	AB
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:14	AB
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:14	AB
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:14	AB
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:14	AB
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:14	AB
123-91-1	1,4-Dioxane	ND		ug/kg dry	50	100	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:14	AB
78-93-3	2-Butanone	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:14	AB
591-78-6	2-Hexanone	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:14	AB



Sample Information

Client Sample ID: SB-1@1'-2'

York Sample ID: 20D0471-01

York Project (SDG) No.
20D0471

Client Project ID
190740 659 E. 222 St

Matrix
Soil

Collection Date/Time
April 15, 2020 8:40 am

Date Received
04/16/2020

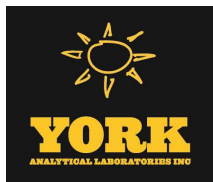
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:14	AB
67-64-1	Acetone	ND		ug/kg dry	5.0	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:14	AB
107-02-8	Acrolein	ND		ug/kg dry	5.0	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:14	AB
107-13-1	Acrylonitrile	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:14	AB
71-43-2	Benzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:14	AB
74-97-5	Bromochloromethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:14	AB
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:14	AB
75-25-2	Bromoform	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:14	AB
74-83-9	Bromomethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:14	AB
75-15-0	Carbon disulfide	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:14	AB
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:14	AB
108-90-7	Chlorobenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:14	AB
75-00-3	Chloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:14	AB
67-66-3	Chloroform	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:14	AB
74-87-3	Chloromethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:14	AB
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:14	AB
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:14	AB
110-82-7	Cyclohexane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:14	AB
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:14	AB
74-95-3	Dibromomethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:14	AB
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:14	AB
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:14	AB
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:14	AB



Sample Information

Client Sample ID: SB-1@1'-2'

York Sample ID: 20D0471-01

York Project (SDG) No.

20D0471

Client Project ID

190740 659 E. 222 St

Matrix

Soil

Collection Date/Time

April 15, 2020 8:40 am

Date Received

04/16/2020

Volatile Organics, 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
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	04/17/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 16:14	AB
79-20-9	Methyl acetate	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	04/17/2020 09:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 16:14	AB
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.5	10	1	EPA 8260C Certifications:	04/17/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 16:14	AB
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	04/17/2020 09:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 16:14	AB
75-09-2	Methylene chloride	ND		ug/kg dry	5.0	10	1	EPA 8260C Certifications:	04/17/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 16:14	AB
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	04/17/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 16:14	AB
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	04/17/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 16:14	AB
95-47-6	o-Xylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	04/17/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 16:14	AB
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.0	10	1	EPA 8260C Certifications:	04/17/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 16:14	AB
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	04/17/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 16:14	AB
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	04/17/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 16:14	AB
100-42-5	Styrene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	04/17/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 16:14	AB
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.5	25	1	EPA 8260C Certifications:	04/17/2020 09:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 16:14	AB
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	04/17/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 16:14	AB
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	04/17/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 16:14	AB
108-88-3	Toluene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	04/17/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 16:14	AB
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	04/17/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 16:14	AB
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	04/17/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 16:14	AB
110-57-6	* trans-1,4-dichloro-2-butene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	04/17/2020 09:30 CTDOH	04/17/2020 16:14	AB
79-01-6	Trichloroethylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	04/17/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 16:14	AB
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	04/17/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 16:14	AB
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications:	04/17/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 16:14	AB
1330-20-7	Xylenes, Total	ND		ug/kg dry	7.6	15	1	EPA 8260C Certifications:	04/17/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/17/2020 16:14	AB

Surrogate Recoveries

Result

Acceptance Range

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132-02 89th AVENUE

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Sample Information

Client Sample ID: SB-1@1'-2'

York Sample ID: 20D0471-01

York Project (SDG) No.
20D0471

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190740 659 E. 222 St

Matrix
Soil

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April 15, 2020 8:40 am

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04/16/2020

Volatile Organics, 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
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	91.7 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	101 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	102 %			76-130						

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/kg dry	44.7	89.1	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 17:32	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	89.1	178	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 17:32	OW
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	44.7	89.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 17:32	OW
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	44.7	89.1	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/20/2020 07:38	04/21/2020 17:32	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	44.7	89.1	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 17:32	OW
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	44.7	89.1	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/20/2020 07:38	04/21/2020 17:32	OW
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	44.7	89.1	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/20/2020 07:38	04/21/2020 17:32	OW
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	89.1	178	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 17:32	OW
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	44.7	89.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 17:32	OW
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	44.7	89.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 17:32	OW
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	44.7	89.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 17:32	OW
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	44.7	89.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 17:32	OW
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	89.1	178	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 17:32	OW
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	44.7	89.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 17:32	OW
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	44.7	89.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 17:32	OW
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	44.7	89.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 17:32	OW
95-57-8	2-Chlorophenol	ND		ug/kg dry	44.7	89.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 17:32	OW
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	44.7	89.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 17:32	OW



Sample Information

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Soil

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April 15, 2020 8:40 am

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04/16/2020

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		ug/kg dry	44.7	89.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 17:32	OW
88-74-4	2-Nitroaniline	ND		ug/kg dry	89.1	178	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 17:32	OW
88-75-5	2-Nitrophenol	ND		ug/kg dry	44.7	89.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 17:32	OW
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	44.7	89.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 17:32	OW
91-94-1	3,3-Dichlorobenzidine	ND		ug/kg dry	44.7	89.1	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 17:32	OW
99-09-2	3-Nitroaniline	ND		ug/kg dry	89.1	178	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 17:32	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	89.1	178	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 17:32	OW
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	44.7	89.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 17:32	OW
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	44.7	89.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 17:32	OW
106-47-8	4-Chloroaniline	ND		ug/kg dry	44.7	89.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 17:32	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	44.7	89.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 17:32	OW
100-01-6	4-Nitroaniline	ND		ug/kg dry	89.1	178	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 17:32	OW
100-02-7	4-Nitrophenol	ND		ug/kg dry	89.1	178	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 17:32	OW
83-32-9	Acenaphthene	ND		ug/kg dry	44.7	89.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 17:32	OW
208-96-8	Acenaphthylene	ND		ug/kg dry	44.7	89.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 17:32	OW
98-86-2	Acetophenone	ND		ug/kg dry	44.7	89.1	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 17:32	OW
62-53-3	Aniline	ND		ug/kg dry	178	357	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 17:32	OW
120-12-7	Anthracene	ND		ug/kg dry	44.7	89.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 17:32	OW
1912-24-9	Atrazine	ND		ug/kg dry	44.7	89.1	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 17:32	OW
100-52-7	Benzaldehyde	ND	CCV-L	ug/kg dry	44.7	89.1	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 17:32	OW
92-87-5	Benzidine	ND		ug/kg dry	178	357	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	04/20/2020 07:38	04/21/2020 17:32	OW
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	44.7	89.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 17:32	OW
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	44.7	89.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 17:32	OW



Sample Information

Client Sample ID: SB-1@1'-2'

York Sample ID: 20D0471-01

York Project (SDG) No.
20D0471

Client Project ID
190740 659 E. 222 St

Matrix
Soil

Collection Date/Time
April 15, 2020 8:40 am

Date Received
04/16/2020

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	44.7	89.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 17:32	OW
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	44.7	89.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 17:32	OW
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	44.7	89.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 17:32	OW
65-85-0	Benzoic acid	ND		ug/kg dry	44.7	89.1	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 17:32	OW
100-51-6	Benzyl alcohol	ND		ug/kg dry	44.7	89.1	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 17:32	OW
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	44.7	89.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 17:32	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	44.7	89.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 17:32	OW
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	44.7	89.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 17:32	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	44.7	89.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 17:32	OW
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	44.7	89.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 17:32	OW
105-60-2	Caprolactam	ND		ug/kg dry	89.1	178	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 17:32	OW
86-74-8	Carbazole	ND		ug/kg dry	44.7	89.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 17:32	OW
218-01-9	Chrysene	ND		ug/kg dry	44.7	89.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 17:32	OW
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	44.7	89.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 17:32	OW
132-64-9	Dibenzofuran	ND		ug/kg dry	44.7	89.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 17:32	OW
84-66-2	Diethyl phthalate	ND		ug/kg dry	44.7	89.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 17:32	OW
131-11-3	Dimethyl phthalate	ND		ug/kg dry	44.7	89.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 17:32	OW
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	44.7	89.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 17:32	OW
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	44.7	89.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 17:32	OW
206-44-0	Fluoranthene	ND		ug/kg dry	44.7	89.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 17:32	OW
86-73-7	Fluorene	ND		ug/kg dry	44.7	89.1	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 17:32	OW
118-74-1	Hexachlorobenzene	ND		ug/kg dry	44.7	89.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 17:32	OW
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	44.7	89.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 17:32	OW



Sample Information

Client Sample ID: SB-1@1'-2'

York Sample ID: 20D0471-01

York Project (SDG) No.
20D0471

Client Project ID
190740 659 E. 222 St

Matrix
Soil

Collection Date/Time
April 15, 2020 8:40 am

Date Received
04/16/2020

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
77-47-4	Hexachlorocyclopentadiene	ND	CCV-L	ug/kg dry	44.7	89.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 17:32	OW
67-72-1	Hexachloroethane	ND		ug/kg dry	44.7	89.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 17:32	OW
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	44.7	89.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 17:32	OW
78-59-1	Isophorone	ND		ug/kg dry	44.7	89.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 17:32	OW
91-20-3	Naphthalene	ND		ug/kg dry	44.7	89.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 17:32	OW
98-95-3	Nitrobenzene	ND		ug/kg dry	44.7	89.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 17:32	OW
62-75-9	N-Nitrosodimethylamine	ND	CCV-L	ug/kg dry	44.7	89.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 17:32	OW
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	44.7	89.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 17:32	OW
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	44.7	89.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 17:32	OW
87-86-5	Pentachlorophenol	ND		ug/kg dry	44.7	89.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 17:32	OW
85-01-8	Phenanthrene	ND		ug/kg dry	44.7	89.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 17:32	OW
108-95-2	Phenol	ND		ug/kg dry	44.7	89.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 17:32	OW
129-00-0	Pyrene	ND		ug/kg dry	44.7	89.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 17:32	OW
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	69.1 %	20-108								
4165-62-2	Surrogate: SURR: Phenol-d5	74.6 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	89.2 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	70.2 %	21-113								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	104 %	19-110								
1718-51-0	Surrogate: SURR: Terphenyl-d14	107 %	24-116								

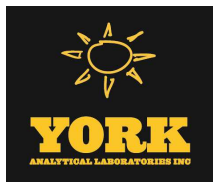
Pesticides, 8081 target list

Log-in Notes:

Sample Notes: BTL-X

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		ug/kg dry	1.79	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/20/2020 14:42	CM
72-55-9	4,4'-DDE	ND		ug/kg dry	1.79	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/20/2020 14:42	CM
50-29-3	4,4'-DDT	ND		ug/kg dry	1.79	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/20/2020 14:42	CM



Sample Information

Client Sample ID: SB-1@1'-2'

York Sample ID: 20D0471-01

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
20D0471	190740 659 E. 222 St	Soil	April 15, 2020 8:40 am	04/16/2020

12674-11-2	Aroclor 1016	ND	mg/kg dry	0.0180	1	EPA 8082A Certifications:	04/17/2020 14:14 04/20/2020 15:16 NELAC-NY10854,CTDOH,NJDEP,PADEP	BJ
11104-28-2	Aroclor 1221	ND	mg/kg dry	0.0180	1	EPA 8082A Certifications:	04/17/2020 14:14 04/20/2020 15:16 NELAC-NY10854,CTDOH,NJDEP,PADEP	BJ
11141-16-5	Aroclor 1232	ND	mg/kg dry	0.0180	1	EPA 8082A Certifications:	04/17/2020 14:14 04/20/2020 15:16 NELAC-NY10854,CTDOH,NJDEP,PADEP	BJ
53469-21-9	Aroclor 1242	ND	mg/kg dry	0.0180	1	EPA 8082A Certifications:	04/17/2020 14:14 04/20/2020 15:16 NELAC-NY10854,CTDOH,NJDEP,PADEP	BJ
12672-29-6	Aroclor 1248	ND	mg/kg dry	0.0180	1	EPA 8082A Certifications:	04/17/2020 14:14 04/20/2020 15:16 NELAC-NY10854,CTDOH,NJDEP,PADEP	BJ
11097-69-1	Aroclor 1254	ND	mg/kg dry	0.0180	1	EPA 8082A Certifications:	04/17/2020 14:14 04/20/2020 15:16 NELAC-NY10854,CTDOH,NJDEP,PADEP	BJ
11096-82-5	Aroclor 1260	ND	mg/kg dry	0.0180	1	EPA 8082A Certifications:	04/17/2020 14:14 04/20/2020 15:16 NELAC-NY10854,CTDOH,NJDEP,PADEP	BJ
1336-36-3	* Total PCBs	ND	mg/kg dry	0.0180	1	EPA 8082A Certifications:	04/17/2020 14:14 04/20/2020 15:16 NELAC-NY10854,CTDOH,NJDEP,PADEP	BJ
Surrogate Recoveries		Result	Acceptance Range					
877-09-8	Surrogate: Tetrachloro-m-xylene	70.0 %	30-140					
2051-24-3	Surrogate: Decachlorobiphenyl	65.5 %	30-140					

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	7280		mg/kg dry	5.48	1	EPA 6010D Certifications:	04/17/2020 09:39 04/20/2020 13:28 CTDOH,NELAC-NY10854,NJDEP,PADEP		KML
7440-36-0	Antimony	ND		mg/kg dry	2.74	1	EPA 6010D Certifications:	04/17/2020 09:39 04/20/2020 13:28 CTDOH,NELAC-NY10854,NJDEP,PADEP		KML
7440-38-2	Arsenic	1.86		mg/kg dry	1.65	1	EPA 6010D Certifications:	04/17/2020 09:39 04/20/2020 13:28 CTDOH,NELAC-NY10854,NJDEP,PADEP		KML
7440-39-3	Barium	30.0		mg/kg dry	2.74	1	EPA 6010D Certifications:	04/17/2020 09:39 04/20/2020 13:28 CTDOH,NELAC-NY10854,NJDEP,PADEP		KML
7440-41-7	Beryllium	ND		mg/kg dry	0.055	1	EPA 6010D Certifications:	04/17/2020 09:39 04/20/2020 13:28 CTDOH,NELAC-NY10854,NJDEP,PADEP		KML
7440-43-9	Cadmium	ND		mg/kg dry	0.329	1	EPA 6010D Certifications:	04/17/2020 09:39 04/20/2020 13:28 CTDOH,NELAC-NY10854,NJDEP,PADEP		KML
7440-70-2	Calcium	1720		mg/kg dry	5.48	1	EPA 6010D Certifications:	04/17/2020 09:39 04/20/2020 13:28 CTDOH,NELAC-NY10854,NJDEP,PADEP		KML
7440-47-3	Chromium	19.1		mg/kg dry	0.548	1	EPA 6010D Certifications:	04/17/2020 09:39 04/20/2020 13:28 CTDOH,NELAC-NY10854,NJDEP,PADEP		KML
7440-48-4	Cobalt	7.34		mg/kg dry	0.439	1	EPA 6010D Certifications:	04/17/2020 09:39 04/20/2020 13:28 CTDOH,NELAC-NY10854,NJDEP,PADEP		KML
7440-50-8	Copper	15.0		mg/kg dry	2.19	1	EPA 6010D Certifications:	04/17/2020 09:39 04/20/2020 13:28 CTDOH,NELAC-NY10854,NJDEP,PADEP		KML
7439-89-6	Iron	12300		mg/kg dry	27.4	1	EPA 6010D Certifications:	04/17/2020 09:39 04/20/2020 13:28 CTDOH,NELAC-NY10854,NJDEP,PADEP		KML
7439-92-1	Lead	3.17		mg/kg dry	0.548	1	EPA 6010D Certifications:	04/17/2020 09:39 04/20/2020 13:28 CTDOH,NELAC-NY10854,NJDEP,PADEP		KML



Sample Information

Client Sample ID: SB-1@1'-2'

York Sample ID: 20D0471-01

York Project (SDG) No.
20D0471

Client Project ID
190740 659 E. 222 St

Matrix
Soil

Collection Date/Time
April 15, 2020 8:40 am

Date Received
04/16/2020

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-95-4	Magnesium	3780		mg/kg dry	5.48	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:28	KML
7439-96-5	Manganese	228		mg/kg dry	0.548	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:28	KML
7440-02-0	Nickel	16.9		mg/kg dry	1.10	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:28	KML
7440-09-7	Potassium	950		mg/kg dry	5.48	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:28	KML
7782-49-2	Selenium	ND		mg/kg dry	2.74	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:28	KML
7440-22-4	Silver	ND		mg/kg dry	0.548	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:28	KML
7440-23-5	Sodium	157		mg/kg dry	54.8	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:28	KML
7440-28-0	Thallium	ND		mg/kg dry	2.74	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:28	KML
7440-62-2	Vanadium	21.4		mg/kg dry	1.10	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:28	KML
7440-66-6	Zinc	33.0		mg/kg dry	2.74	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:28	KML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0329	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	04/17/2020 11:06	04/17/2020 13:56	SY

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	91.2		%	0.100	1	SM 2540G Certifications: CTDOH	04/17/2020 07:51	04/17/2020 11:26	JAG

Sample Information

Client Sample ID: SB-1@5'-6'

York Sample ID: 20D0471-02

York Project (SDG) No.
20D0471

Client Project ID
190740 659 E. 222 St

Matrix
Soil

Collection Date/Time
April 15, 2020 8:50 am

Date Received
04/16/2020



Sample Information

Client Sample ID: SB-1@5'-6'

York Sample ID: 20D0471-02

York Project (SDG) No.
20D0471

Client Project ID
190740 659 E. 222 St

Matrix
Soil

Collection Date/Time
April 15, 2020 8:50 am

Date Received
04/16/2020

Volatile Organics, 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		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:42	AB
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:42	AB
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:42	AB
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/17/2020 09:30	04/17/2020 16:42	AB
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:42	AB
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:42	AB
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:42	AB
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:42	AB
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	04/17/2020 09:30	04/17/2020 16:42	AB
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:42	AB
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:42	AB
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.7	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:42	AB
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:42	AB
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:42	AB
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:42	AB
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:42	AB
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:42	AB
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:42	AB
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:42	AB
123-91-1	1,4-Dioxane	ND		ug/kg dry	54	110	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:42	AB
78-93-3	2-Butanone	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:42	AB
591-78-6	2-Hexanone	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:42	AB
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:42	AB



Sample Information

Client Sample ID: SB-1@5'-6'

York Sample ID: 20D0471-02

York Project (SDG) No.
20D0471

Client Project ID
190740 659 E. 222 St

Matrix
Soil

Collection Date/Time
April 15, 2020 8:50 am

Date Received
04/16/2020

Volatile Organics, 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
67-64-1	Acetone	ND		ug/kg dry	5.4	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:42	AB
107-02-8	Acrolein	ND		ug/kg dry	5.4	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:42	AB
107-13-1	Acrylonitrile	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:42	AB
71-43-2	Benzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:42	AB
74-97-5	Bromochloromethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:42	AB
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:42	AB
75-25-2	Bromoform	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:42	AB
74-83-9	Bromomethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:42	AB
75-15-0	Carbon disulfide	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:42	AB
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:42	AB
108-90-7	Chlorobenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:42	AB
75-00-3	Chloroethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:42	AB
67-66-3	Chloroform	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:42	AB
74-87-3	Chloromethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:42	AB
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:42	AB
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:42	AB
110-82-7	Cyclohexane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:42	AB
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:42	AB
74-95-3	Dibromomethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:42	AB
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:42	AB
100-41-4	Ethyl Benzene	10		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:42	AB
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:42	AB
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:42	AB



Sample Information

Client Sample ID: SB-1@5'-6'

York Sample ID: 20D0471-02

York Project (SDG) No.
20D0471

Client Project ID
190740 659 E. 222 St

Matrix
Soil

Collection Date/Time
April 15, 2020 8:50 am

Date Received
04/16/2020

Volatile Organics, 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
79-20-9	Methyl acetate	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:42	AB
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.7	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:42	AB
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:42	AB
75-09-2	Methylene chloride	ND		ug/kg dry	5.4	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:42	AB
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:42	AB
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:42	AB
95-47-6	o-Xylene	16		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	04/17/2020 09:30	04/17/2020 16:42	AB
179601-23-1	p- & m- Xylenes	45		ug/kg dry	5.4	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	04/17/2020 09:30	04/17/2020 16:42	AB
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:42	AB
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:42	AB
100-42-5	Styrene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:42	AB
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.7	27	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:42	AB
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:42	AB
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:42	AB
108-88-3	Toluene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:42	AB
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:42	AB
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:42	AB
110-57-6	* trans-1,4-dichloro-2-butene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH	04/17/2020 09:30	04/17/2020 16:42	AB
79-01-6	Trichloroethylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:42	AB
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:42	AB
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.7	5.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 16:42	AB
1330-20-7	Xylenes, Total	61		ug/kg dry	8.1	16	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/17/2020 09:30	04/17/2020 16:42	AB
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	93.8 %	77-125								



Sample Information

Client Sample ID: SB-1@5'-6'

York Sample ID: 20D0471-02

York Project (SDG) No.
20D0471

Client Project ID
190740 659 E. 222 St

Matrix
Soil

Collection Date/Time
April 15, 2020 8:50 am

Date Received
04/16/2020

Volatile Organics, 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
2037-26-5	Surrogate: SURR: Toluene-d8	104 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	111 %			76-130						

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/kg dry	42.7	85.2	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:02	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	85.2	170	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:02	OW
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	42.7	85.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:02	OW
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	42.7	85.2	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/20/2020 07:38	04/21/2020 18:02	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	42.7	85.2	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:02	OW
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	42.7	85.2	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/20/2020 07:38	04/21/2020 18:02	OW
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	42.7	85.2	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/20/2020 07:38	04/21/2020 18:02	OW
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	85.2	170	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:02	OW
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	42.7	85.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:02	OW
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	42.7	85.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:02	OW
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	42.7	85.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:02	OW
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	42.7	85.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:02	OW
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	85.2	170	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:02	OW
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	42.7	85.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:02	OW
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	42.7	85.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:02	OW
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	42.7	85.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:02	OW
95-57-8	2-Chlorophenol	ND		ug/kg dry	42.7	85.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:02	OW
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	42.7	85.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:02	OW
95-48-7	2-Methylphenol	ND		ug/kg dry	42.7	85.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:02	OW



Sample Information

Client Sample ID: SB-1@5'-6'

York Sample ID: 20D0471-02

York Project (SDG) No.
20D0471

Client Project ID
190740 659 E. 222 St

Matrix
Soil

Collection Date/Time
April 15, 2020 8:50 am

Date Received
04/16/2020

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
88-74-4	2-Nitroaniline	ND		ug/kg dry	85.2	170	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:02	OW
88-75-5	2-Nitrophenol	ND		ug/kg dry	42.7	85.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:02	OW
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	42.7	85.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:02	OW
91-94-1	3,3-Dichlorobenzidine	ND		ug/kg dry	42.7	85.2	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:02	OW
99-09-2	3-Nitroaniline	ND		ug/kg dry	85.2	170	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:02	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	85.2	170	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:02	OW
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	42.7	85.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:02	OW
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	42.7	85.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:02	OW
106-47-8	4-Chloroaniline	ND		ug/kg dry	42.7	85.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:02	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	42.7	85.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:02	OW
100-01-6	4-Nitroaniline	ND		ug/kg dry	85.2	170	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:02	OW
100-02-7	4-Nitrophenol	ND		ug/kg dry	85.2	170	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:02	OW
83-32-9	Acenaphthene	ND		ug/kg dry	42.7	85.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:02	OW
208-96-8	Acenaphthylene	ND		ug/kg dry	42.7	85.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:02	OW
98-86-2	Acetophenone	ND		ug/kg dry	42.7	85.2	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:02	OW
62-53-3	Aniline	ND		ug/kg dry	171	341	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:02	OW
120-12-7	Anthracene	ND		ug/kg dry	42.7	85.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:02	OW
1912-24-9	Atrazine	ND		ug/kg dry	42.7	85.2	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:02	OW
100-52-7	Benzaldehyde	ND	CCV-L	ug/kg dry	42.7	85.2	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:02	OW
92-87-5	Benzidine	ND		ug/kg dry	171	341	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	04/20/2020 07:38	04/21/2020 18:02	OW
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	42.7	85.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:02	OW
50-32-8	Benzo(a)pyrene	49.7	J	ug/kg dry	42.7	85.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:02	OW
205-99-2	Benzo(b)fluoranthene	47.0	J	ug/kg dry	42.7	85.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:02	OW



Sample Information

Client Sample ID: SB-1@5'-6'

York Sample ID: 20D0471-02

York Project (SDG) No.
20D0471

Client Project ID
190740 659 E. 222 St

Matrix
Soil

Collection Date/Time
April 15, 2020 8:50 am

Date Received
04/16/2020

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	42.7	85.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:02	OW
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	42.7	85.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:02	OW
65-85-0	Benzoic acid	ND		ug/kg dry	42.7	85.2	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:02	OW
100-51-6	Benzyl alcohol	ND		ug/kg dry	42.7	85.2	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:02	OW
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	42.7	85.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:02	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	42.7	85.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:02	OW
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	42.7	85.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:02	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	42.7	85.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:02	OW
117-81-7	Bis(2-ethylhexyl)phthalate	57.2	CCV-H, J	ug/kg dry	42.7	85.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:02	OW
105-60-2	Caprolactam	ND		ug/kg dry	85.2	170	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:02	OW
86-74-8	Carbazole	ND		ug/kg dry	42.7	85.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:02	OW
218-01-9	Chrysene	81.0	J	ug/kg dry	42.7	85.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:02	OW
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	42.7	85.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:02	OW
132-64-9	Dibenzofuran	ND		ug/kg dry	42.7	85.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:02	OW
84-66-2	Diethyl phthalate	ND		ug/kg dry	42.7	85.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:02	OW
131-11-3	Dimethyl phthalate	ND		ug/kg dry	42.7	85.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:02	OW
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	42.7	85.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:02	OW
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	42.7	85.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:02	OW
206-44-0	Fluoranthene	43.6	J	ug/kg dry	42.7	85.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:02	OW
86-73-7	Fluorene	ND		ug/kg dry	42.7	85.2	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:02	OW
118-74-1	Hexachlorobenzene	ND		ug/kg dry	42.7	85.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:02	OW
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	42.7	85.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:02	OW
77-47-4	Hexachlorocyclopentadiene	ND	CCV-L	ug/kg dry	42.7	85.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:02	OW



Sample Information

Client Sample ID: SB-1@5'-6'

York Sample ID: 20D0471-02

York Project (SDG) No.
20D0471

Client Project ID
190740 659 E. 222 St

Matrix
Soil

Collection Date/Time
April 15, 2020 8:50 am

Date Received
04/16/2020

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-72-1	Hexachloroethane	ND		ug/kg dry	42.7	85.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:02	OW
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	42.7	85.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:02	OW
78-59-1	Isophorone	ND		ug/kg dry	42.7	85.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:02	OW
91-20-3	Naphthalene	ND		ug/kg dry	42.7	85.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:02	OW
98-95-3	Nitrobenzene	ND		ug/kg dry	42.7	85.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:02	OW
62-75-9	N-Nitrosodimethylamine	ND	CCV-L	ug/kg dry	42.7	85.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:02	OW
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	42.7	85.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:02	OW
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	42.7	85.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:02	OW
87-86-5	Pentachlorophenol	ND		ug/kg dry	42.7	85.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:02	OW
85-01-8	Phenanthrene	ND		ug/kg dry	42.7	85.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:02	OW
108-95-2	Phenol	ND		ug/kg dry	42.7	85.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:02	OW
129-00-0	Pyrene	72.9	J	ug/kg dry	42.7	85.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:02	OW
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	58.9 %	20-108								
4165-62-2	Surrogate: SURR: Phenol-d5	64.0 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	78.1 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	69.4 %	21-113								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	92.0 %	19-110								
1718-51-0	Surrogate: SURR: Terphenyl-d14	103 %	24-116								

Pesticides, 8081 target list

Log-in Notes:

Sample Notes: BTL-X

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		ug/kg dry	1.67	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/22/2020 08:50	CM
72-55-9	4,4'-DDE	ND		ug/kg dry	1.67	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/22/2020 08:50	CM
50-29-3	4,4'-DDT	ND		ug/kg dry	1.67	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/22/2020 08:50	CM
309-00-2	Aldrin	ND		ug/kg dry	1.67	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/22/2020 08:50	CM



Sample Information

Client Sample ID: SB-1@5'-6'

York Sample ID: 20D0471-02

York Project (SDG) No.
20D0471

Client Project ID
190740 659 E. 222 St

Matrix
Soil

Collection Date/Time
April 15, 2020 8:50 am

Date Received
04/16/2020

Pesticides, 8081 target list

Log-in Notes:

Sample Notes: BTL-X

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
319-84-6	alpha-BHC	ND		ug/kg dry	1.67	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/22/2020 08:50	CM
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.67	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	04/17/2020 14:14	04/22/2020 08:50	CM
319-85-7	beta-BHC	ND		ug/kg dry	1.67	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/22/2020 08:50	CM
57-74-9	Chlordane, total	ND		ug/kg dry	33.4	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/22/2020 08:50	CM
319-86-8	delta-BHC	ND		ug/kg dry	1.67	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/22/2020 08:50	CM
60-57-1	Dieldrin	ND		ug/kg dry	1.67	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/22/2020 08:50	CM
959-98-8	Endosulfan I	ND		ug/kg dry	1.67	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/22/2020 08:50	CM
33213-65-9	Endosulfan II	ND		ug/kg dry	1.67	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	04/17/2020 14:14	04/22/2020 08:50	CM
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.67	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/22/2020 08:50	CM
72-20-8	Endrin	ND		ug/kg dry	1.67	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/22/2020 08:50	CM
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.67	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/22/2020 08:50	CM
53494-70-5	Endrin ketone	ND		ug/kg dry	1.67	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/22/2020 08:50	CM
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.67	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/22/2020 08:50	CM
5566-34-7	gamma-Chlordane	ND		ug/kg dry	1.67	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	04/17/2020 14:14	04/22/2020 08:50	CM
76-44-8	Heptachlor	ND		ug/kg dry	1.67	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/22/2020 08:50	CM
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.67	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/22/2020 08:50	CM
72-43-5	Methoxychlor	ND		ug/kg dry	8.34	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/22/2020 08:50	CM
8001-35-2	Toxaphene	ND		ug/kg dry	84.4	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/22/2020 08:50	CM
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	67.3 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	54.8 %	30-150							

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes: BTL-X

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
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Sample Information

Client Sample ID: SB-1@5'-6'

York Sample ID: 20D0471-02

York Project (SDG) No.
20D0471

Client Project ID
190740 659 E. 222 St

Matrix
Soil

Collection Date/Time
April 15, 2020 8:50 am

Date Received
04/16/2020

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes: BTL-X

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	0.0168	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/17/2020 14:14	04/20/2020 15:29	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0168	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/17/2020 14:14	04/20/2020 15:29	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0168	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/17/2020 14:14	04/20/2020 15:29	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0168	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/17/2020 14:14	04/20/2020 15:29	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0168	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/17/2020 14:14	04/20/2020 15:29	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0168	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/17/2020 14:14	04/20/2020 15:29	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0168	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/17/2020 14:14	04/20/2020 15:29	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0168	1	EPA 8082A Certifications:	04/17/2020 14:14	04/20/2020 15:29	BJ
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	64.0 %	30-140							
2051-24-3	Surrogate: Decachlorobiphenyl	57.0 %	30-140							

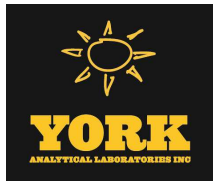
Metals, Target Analyte

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	4130		mg/kg dry	5.12	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:31	KML
7440-36-0	Antimony	ND		mg/kg dry	2.56	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:31	KML
7440-38-2	Arsenic	2.98		mg/kg dry	1.54	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:31	KML
7440-39-3	Barium	26.7		mg/kg dry	2.56	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:31	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.051	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:31	KML
7440-43-9	Cadmium	ND		mg/kg dry	0.307	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:31	KML
7440-70-2	Calcium	20400		mg/kg dry	5.12	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:31	KML
7440-47-3	Chromium	9.97		mg/kg dry	0.512	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:31	KML
7440-48-4	Cobalt	4.15		mg/kg dry	0.410	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:31	KML



Sample Information

Client Sample ID: SB-1@5'-6'

York Sample ID: 20D0471-02

York Project (SDG) No.

20D0471

Client Project ID

190740 659 E. 222 St

Matrix

Soil

Collection Date/Time

April 15, 2020 8:50 am

Date Received

04/16/2020

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
7440-50-8	Copper	10.6		mg/kg dry	2.05	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:31	KML
7439-89-6	Iron	8930		mg/kg dry	25.6	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:31	KML
7439-92-1	Lead	3.10		mg/kg dry	0.512	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:31	KML
7439-95-4	Magnesium	11300		mg/kg dry	5.12	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:31	KML
7439-96-5	Manganese	182		mg/kg dry	0.512	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:31	KML
7440-02-0	Nickel	11.0		mg/kg dry	1.02	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:31	KML
7440-09-7	Potassium	795		mg/kg dry	5.12	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:31	KML
7782-49-2	Selenium	3.19		mg/kg dry	2.56	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:31	KML
7440-22-4	Silver	ND		mg/kg dry	0.512	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:31	KML
7440-23-5	Sodium	177		mg/kg dry	51.2	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:31	KML
7440-28-0	Thallium	ND		mg/kg dry	2.56	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:31	KML
7440-62-2	Vanadium	18.9		mg/kg dry	1.02	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:31	KML
7440-66-6	Zinc	25.5		mg/kg dry	2.56	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:31	KML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0307	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	04/17/2020 11:06	04/17/2020 14:05	SY

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	97.6		%	0.100	1	SM 2540G Certifications: CTDOH	04/17/2020 07:51	04/17/2020 11:26	JAG



Sample Information

Client Sample ID: SB-2@1'-2'

York Sample ID: 20D0471-03

York Project (SDG) No.
20D0471

Client Project ID
190740 659 E. 222 St

Matrix
Soil

Collection Date/Time
April 15, 2020 9:50 am

Date Received
04/16/2020

Volatile Organics, 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		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:10	AB
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:10	AB
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:10	AB
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/17/2020 09:30	04/17/2020 17:10	AB
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:10	AB
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:10	AB
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:10	AB
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:10	AB
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	04/17/2020 09:30	04/17/2020 17:10	AB
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:10	AB
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:10	AB
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.1	8.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:10	AB
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:10	AB
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:10	AB
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:10	AB
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:10	AB
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:10	AB
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:10	AB
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:10	AB
123-91-1	1,4-Dioxane	ND		ug/kg dry	42	84	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:10	AB
78-93-3	2-Butanone	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:10	AB
591-78-6	2-Hexanone	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:10	AB
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:10	AB



Sample Information

Client Sample ID: SB-2@1'-2'

York Sample ID: 20D0471-03

York Project (SDG) No.
20D0471

Client Project ID
190740 659 E. 222 St

Matrix
Soil

Collection Date/Time
April 15, 2020 9:50 am

Date Received
04/16/2020

Volatile Organics, 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
67-64-1	Acetone	ND		ug/kg dry	4.2	8.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:10	AB
107-02-8	Acrolein	ND		ug/kg dry	4.2	8.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:10	AB
107-13-1	Acrylonitrile	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:10	AB
71-43-2	Benzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:10	AB
74-97-5	Bromochloromethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:10	AB
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:10	AB
75-25-2	Bromoform	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:10	AB
74-83-9	Bromomethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:10	AB
75-15-0	Carbon disulfide	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:10	AB
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:10	AB
108-90-7	Chlorobenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:10	AB
75-00-3	Chloroethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:10	AB
67-66-3	Chloroform	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:10	AB
74-87-3	Chloromethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:10	AB
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:10	AB
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:10	AB
110-82-7	Cyclohexane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:10	AB
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:10	AB
74-95-3	Dibromomethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:10	AB
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:10	AB
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:10	AB
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:10	AB
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:10	AB



Sample Information

Client Sample ID: SB-2@1'-2'

York Sample ID: 20D0471-03

York Project (SDG) No.
20D0471

Client Project ID
190740 659 E. 222 St

Matrix
Soil

Collection Date/Time
April 15, 2020 9:50 am

Date Received
04/16/2020

Volatile Organics, 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
79-20-9	Methyl acetate	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:10	AB
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.1	8.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:10	AB
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:10	AB
75-09-2	Methylene chloride	ND		ug/kg dry	4.2	8.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:10	AB
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:10	AB
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:10	AB
95-47-6	o-Xylene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:10	AB
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.2	8.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:10	AB
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:10	AB
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:10	AB
100-42-5	Styrene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:10	AB
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.1	21	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:10	AB
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:10	AB
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:10	AB
108-88-3	Toluene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:10	AB
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:10	AB
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:10	AB
110-57-6	* trans-1,4-dichloro-2-butene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH	04/17/2020 09:30	04/17/2020 17:10	AB
79-01-6	Trichloroethylene	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:10	AB
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:10	AB
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.1	4.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:10	AB
1330-20-7	Xylenes, Total	ND		ug/kg dry	6.3	13	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/17/2020 09:30	04/17/2020 17:10	AB
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	95.9 %	77-125								



Sample Information

Client Sample ID: SB-2@1'-2'

York Sample ID: 20D0471-03

York Project (SDG) No.
20D0471

Client Project ID
190740 659 E. 222 St

Matrix
Soil

Collection Date/Time
April 15, 2020 9:50 am

Date Received
04/16/2020

Volatile Organics, 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
2037-26-5	Surrogate: SURR: Toluene-d8	102 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	104 %			76-130						

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:32	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	90.2	180	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:32	OW
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:32	OW
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/20/2020 07:38	04/21/2020 18:32	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:32	OW
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/20/2020 07:38	04/21/2020 18:32	OW
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/20/2020 07:38	04/21/2020 18:32	OW
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	90.2	180	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:32	OW
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:32	OW
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:32	OW
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:32	OW
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:32	OW
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	90.2	180	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:32	OW
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:32	OW
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:32	OW
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:32	OW
95-57-8	2-Chlorophenol	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:32	OW
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:32	OW
95-48-7	2-Methylphenol	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:32	OW



Sample Information

Client Sample ID: SB-2@1'-2'

York Sample ID: 20D0471-03

York Project (SDG) No.
20D0471

Client Project ID
190740 659 E. 222 St

Matrix
Soil

Collection Date/Time
April 15, 2020 9:50 am

Date Received
04/16/2020

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
88-74-4	2-Nitroaniline	ND		ug/kg dry	90.2	180	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:32	OW
88-75-5	2-Nitrophenol	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:32	OW
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:32	OW
91-94-1	3,3-Dichlorobenzidine	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:32	OW
99-09-2	3-Nitroaniline	ND		ug/kg dry	90.2	180	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:32	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	90.2	180	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:32	OW
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:32	OW
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:32	OW
106-47-8	4-Chloroaniline	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:32	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:32	OW
100-01-6	4-Nitroaniline	ND		ug/kg dry	90.2	180	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:32	OW
100-02-7	4-Nitrophenol	ND		ug/kg dry	90.2	180	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:32	OW
83-32-9	Acenaphthene	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:32	OW
208-96-8	Acenaphthylene	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:32	OW
98-86-2	Acetophenone	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:32	OW
62-53-3	Aniline	ND		ug/kg dry	181	361	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:32	OW
120-12-7	Anthracene	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:32	OW
1912-24-9	Atrazine	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:32	OW
100-52-7	Benzaldehyde	ND	CCV-L	ug/kg dry	45.2	90.2	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:32	OW
92-87-5	Benzidine	ND		ug/kg dry	181	361	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	04/20/2020 07:38	04/21/2020 18:32	OW
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:32	OW
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:32	OW
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:32	OW



Sample Information

Client Sample ID: SB-2@1'-2'

York Sample ID: 20D0471-03

York Project (SDG) No.
20D0471

Client Project ID
190740 659 E. 222 St

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Soil

Collection Date/Time
April 15, 2020 9:50 am

Date Received
04/16/2020

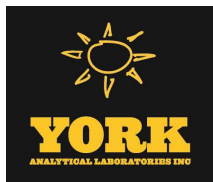
Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:32	OW
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:32	OW
65-85-0	Benzoic acid	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:32	OW
100-51-6	Benzyl alcohol	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:32	OW
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:32	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:32	OW
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:32	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:32	OW
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:32	OW
105-60-2	Caprolactam	ND		ug/kg dry	90.2	180	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:32	OW
86-74-8	Carbazole	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:32	OW
218-01-9	Chrysene	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:32	OW
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:32	OW
132-64-9	Dibenzofuran	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:32	OW
84-66-2	Diethyl phthalate	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:32	OW
131-11-3	Dimethyl phthalate	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:32	OW
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:32	OW
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:32	OW
206-44-0	Fluoranthene	48.3	J	ug/kg dry	45.2	90.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:32	OW
86-73-7	Fluorene	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:32	OW
118-74-1	Hexachlorobenzene	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:32	OW
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:32	OW
77-47-4	Hexachlorocyclopentadiene	ND	CCV-L	ug/kg dry	45.2	90.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:32	OW



Sample Information

Client Sample ID: SB-2@1'-2'

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20D0471

190740 659 E. 222 St

Soil

April 15, 2020 9:50 am

04/16/2020

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-72-1	Hexachloroethane	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:32	OW
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:32	OW
78-59-1	Isophorone	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:32	OW
91-20-3	Naphthalene	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:32	OW
98-95-3	Nitrobenzene	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:32	OW
62-75-9	N-Nitrosodimethylamine	ND	CCV-L	ug/kg dry	45.2	90.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:32	OW
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:32	OW
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:32	OW
87-86-5	Pentachlorophenol	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:32	OW
85-01-8	Phenanthrene	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:32	OW
108-95-2	Phenol	ND		ug/kg dry	45.2	90.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:32	OW
129-00-0	Pyrene	55.5	J	ug/kg dry	45.2	90.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:38	04/21/2020 18:32	OW
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	61.8 %	20-108								
4165-62-2	Surrogate: SURR: Phenol-d5	70.2 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	79.1 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	65.8 %	21-113								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	98.1 %	19-110								
1718-51-0	Surrogate: SURR: Terphenyl-d14	102 %	24-116								

Pesticides, 8081 target list

Log-in Notes:

Sample Notes: BTL-X

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		ug/kg dry	1.78	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/20/2020 14:59	CM
72-55-9	4,4'-DDE	ND		ug/kg dry	1.78	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/20/2020 14:59	CM
50-29-3	4,4'-DDT	ND		ug/kg dry	1.78	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/20/2020 14:59	CM
309-00-2	Aldrin	ND		ug/kg dry	1.78	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/20/2020 14:59	CM



Sample Information

Client Sample ID: SB-2@1'-2'

York Sample ID: 20D0471-03

York Project (SDG) No.
20D0471

Client Project ID
190740 659 E. 222 St

Matrix
Soil

Collection Date/Time
April 15, 2020 9:50 am

Date Received
04/16/2020

Pesticides, 8081 target list

Log-in Notes:

Sample Notes: BTL-X

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
319-84-6	alpha-BHC	ND		ug/kg dry	1.78	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/20/2020 14:59	CM
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.78	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	04/17/2020 14:14	04/20/2020 14:59	CM
319-85-7	beta-BHC	ND		ug/kg dry	1.78	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/20/2020 14:59	CM
57-74-9	Chlordane, total	ND		ug/kg dry	35.6	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/20/2020 14:59	CM
319-86-8	delta-BHC	ND		ug/kg dry	1.78	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/20/2020 14:59	CM
60-57-1	Dieldrin	ND		ug/kg dry	1.78	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/20/2020 14:59	CM
959-98-8	Endosulfan I	ND		ug/kg dry	1.78	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/20/2020 14:59	CM
33213-65-9	Endosulfan II	ND		ug/kg dry	1.78	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	04/17/2020 14:14	04/20/2020 14:59	CM
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.78	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/20/2020 14:59	CM
72-20-8	Endrin	ND		ug/kg dry	1.78	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/20/2020 14:59	CM
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.78	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/20/2020 14:59	CM
53494-70-5	Endrin ketone	ND		ug/kg dry	1.78	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/20/2020 14:59	CM
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.78	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/20/2020 14:59	CM
5566-34-7	gamma-Chlordane	ND		ug/kg dry	1.78	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	04/17/2020 14:14	04/20/2020 14:59	CM
76-44-8	Heptachlor	ND		ug/kg dry	1.78	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/20/2020 14:59	CM
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.78	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/20/2020 14:59	CM
72-43-5	Methoxychlor	ND		ug/kg dry	8.90	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/20/2020 14:59	CM
8001-35-2	Toxaphene	ND		ug/kg dry	90.0	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/20/2020 14:59	CM
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	81.5 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	81.5 %	30-150							

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes: BTL-X

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
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Sample Information

Client Sample ID: SB-2@1'-2'

York Sample ID: 20D0471-03

York Project (SDG) No.
20D0471

Client Project ID
190740 659 E. 222 St

Matrix
Soil

Collection Date/Time
April 15, 2020 9:50 am

Date Received
04/16/2020

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes: BTL-X

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	04/17/2020 14:14	04/20/2020 15:43	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/17/2020 14:14	04/20/2020 15:43	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/17/2020 14:14	04/20/2020 15:43	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/17/2020 14:14	04/20/2020 15:43	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/17/2020 14:14	04/20/2020 15:43	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/17/2020 14:14	04/20/2020 15:43	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/17/2020 14:14	04/20/2020 15:43	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications:	04/17/2020 14:14	04/20/2020 15:43	BJ
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	69.5 %	30-140							
2051-24-3	Surrogate: Decachlorobiphenyl	64.0 %	30-140							

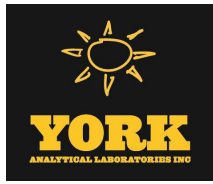
Metals, Target Analyte

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	11400		mg/kg dry	5.43	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:33	KML
7440-36-0	Antimony	ND		mg/kg dry	2.71	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:33	KML
7440-38-2	Arsenic	ND		mg/kg dry	1.63	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:33	KML
7440-39-3	Barium	58.5		mg/kg dry	2.71	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:33	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.054	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:33	KML
7440-43-9	Cadmium	ND		mg/kg dry	0.326	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:33	KML
7440-70-2	Calcium	1510		mg/kg dry	5.43	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:33	KML
7440-47-3	Chromium	25.6		mg/kg dry	0.543	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:33	KML
7440-48-4	Cobalt	8.12		mg/kg dry	0.434	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:33	KML



Sample Information

Client Sample ID: SB-2@1'-2'

York Sample ID: 20D0471-03

York Project (SDG) No.

20D0471

Client Project ID

190740 659 E. 222 St

Matrix

Soil

Collection Date/Time

April 15, 2020 9:50 am

Date Received

04/16/2020

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
7440-50-8	Copper	23.5		mg/kg dry	2.17	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:33	KML
7439-89-6	Iron	16600		mg/kg dry	27.1	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:33	KML
7439-92-1	Lead	68.5		mg/kg dry	0.543	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:33	KML
7439-95-4	Magnesium	3950		mg/kg dry	5.43	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:33	KML
7439-96-5	Manganese	297		mg/kg dry	0.543	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:33	KML
7440-02-0	Nickel	23.8		mg/kg dry	1.09	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:33	KML
7440-09-7	Potassium	2100		mg/kg dry	5.43	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:33	KML
7782-49-2	Selenium	ND		mg/kg dry	2.71	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:33	KML
7440-22-4	Silver	ND		mg/kg dry	0.543	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:33	KML
7440-23-5	Sodium	87.1		mg/kg dry	54.3	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:33	KML
7440-28-0	Thallium	ND		mg/kg dry	2.71	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:33	KML
7440-62-2	Vanadium	28.4		mg/kg dry	1.09	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:33	KML
7440-66-6	Zinc	64.6		mg/kg dry	2.71	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:33	KML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0326	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	04/17/2020 11:06	04/17/2020 14:14	SY

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	92.1		%	0.100	1	SM 2540G Certifications: CTDOH	04/17/2020 07:51	04/17/2020 11:26	JAG



Sample Information

Client Sample ID: SB-2@5'-6'

York Sample ID: 20D0471-04

York Project (SDG) No.
20D0471

Client Project ID
190740 659 E. 222 St

Matrix
Soil

Collection Date/Time
April 15, 2020 10:05 am

Date Received
04/16/2020

Volatile Organics, 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		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:37	AB
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:37	AB
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:37	AB
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/17/2020 09:30	04/17/2020 17:37	AB
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:37	AB
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:37	AB
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:37	AB
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:37	AB
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	04/17/2020 09:30	04/17/2020 17:37	AB
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:37	AB
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:37	AB
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.2	8.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:37	AB
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:37	AB
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:37	AB
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:37	AB
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:37	AB
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:37	AB
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:37	AB
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:37	AB
123-91-1	1,4-Dioxane	ND		ug/kg dry	43	86	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:37	AB
78-93-3	2-Butanone	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:37	AB
591-78-6	2-Hexanone	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:37	AB
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:37	AB



Sample Information

Client Sample ID: SB-2@5'-6'

York Sample ID: 20D0471-04

York Project (SDG) No.
20D0471

Client Project ID
190740 659 E. 222 St

Matrix
Soil

Collection Date/Time
April 15, 2020 10:05 am

Date Received
04/16/2020

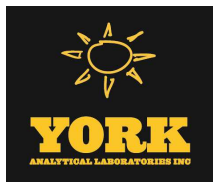
Volatile Organics, 8260 - Comprehensive

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
67-64-1	Acetone	ND		ug/kg dry	4.3	8.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:37	AB
107-02-8	Acrolein	ND		ug/kg dry	4.3	8.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:37	AB
107-13-1	Acrylonitrile	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:37	AB
71-43-2	Benzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:37	AB
74-97-5	Bromochloromethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:37	AB
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:37	AB
75-25-2	Bromoform	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:37	AB
74-83-9	Bromomethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:37	AB
75-15-0	Carbon disulfide	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:37	AB
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:37	AB
108-90-7	Chlorobenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:37	AB
75-00-3	Chloroethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:37	AB
67-66-3	Chloroform	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:37	AB
74-87-3	Chloromethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:37	AB
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:37	AB
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:37	AB
110-82-7	Cyclohexane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:37	AB
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:37	AB
74-95-3	Dibromomethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:37	AB
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:37	AB
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:37	AB
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:37	AB
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:37	AB



Sample Information

Client Sample ID: SB-2@5'-6'

York Sample ID: 20D0471-04

York Project (SDG) No.

20D0471

Client Project ID

190740 659 E. 222 St

Matrix

Soil

Collection Date/Time

April 15, 2020 10:05 am

Date Received

04/16/2020

Volatile Organics, 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
79-20-9	Methyl acetate	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:37	AB
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.2	8.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:37	AB
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:37	AB
75-09-2	Methylene chloride	ND		ug/kg dry	4.3	8.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:37	AB
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:37	AB
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:37	AB
95-47-6	o-Xylene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:37	AB
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.3	8.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:37	AB
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:37	AB
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:37	AB
100-42-5	Styrene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:37	AB
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.2	22	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:37	AB
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:37	AB
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:37	AB
108-88-3	Toluene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:37	AB
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:37	AB
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:37	AB
110-57-6	* trans-1,4-dichloro-2-butene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH	04/17/2020 09:30	04/17/2020 17:37	AB
79-01-6	Trichloroethylene	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:37	AB
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:37	AB
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.2	4.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 17:37	AB
1330-20-7	Xylenes, Total	ND		ug/kg dry	6.5	13	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/17/2020 09:30	04/17/2020 17:37	AB
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	92.4 %	77-125								



Sample Information

Client Sample ID: SB-2@5'-6'

York Sample ID: 20D0471-04

York Project (SDG) No.
20D0471

Client Project ID
190740 659 E. 222 St

Matrix
Soil

Collection Date/Time
April 15, 2020 10:05 am

Date Received
04/16/2020

Volatile Organics, 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
2037-26-5	Surrogate: SURR: Toluene-d8	98.7 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	105 %			76-130						

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes: BTL-X

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/kg dry	43.2	86.3	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:02	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	86.3	172	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:02	OW
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	43.2	86.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:02	OW
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	43.2	86.3	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/21/2020 07:49	04/21/2020 19:02	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	43.2	86.3	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:02	OW
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	43.2	86.3	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/21/2020 07:49	04/21/2020 19:02	OW
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	43.2	86.3	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/21/2020 07:49	04/21/2020 19:02	OW
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	86.3	172	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:02	OW
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	43.2	86.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:02	OW
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	43.2	86.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:02	OW
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	43.2	86.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:02	OW
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	43.2	86.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:02	OW
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	86.3	172	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:02	OW
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	43.2	86.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:02	OW
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	43.2	86.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:02	OW
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	43.2	86.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:02	OW
95-57-8	2-Chlorophenol	ND		ug/kg dry	43.2	86.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:02	OW
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	43.2	86.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:02	OW
95-48-7	2-Methylphenol	ND		ug/kg dry	43.2	86.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:02	OW



Sample Information

Client Sample ID: SB-2@5'-6'

York Sample ID: 20D0471-04

York Project (SDG) No.
20D0471

Client Project ID
190740 659 E. 222 St

Matrix
Soil

Collection Date/Time
April 15, 2020 10:05 am

Date Received
04/16/2020

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes: BTL-X

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
88-74-4	2-Nitroaniline	ND		ug/kg dry	86.3	172	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 19:02	OW
88-75-5	2-Nitrophenol	ND		ug/kg dry	43.2	86.3	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 19:02	OW
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	43.2	86.3	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 19:02	OW
91-94-1	3,3-Dichlorobenzidine	ND		ug/kg dry	43.2	86.3	2	EPA 8270D Certifications:	04/21/2020 07:49 NELAC-NY10854,NJDEP,PADEP	04/21/2020 19:02	OW
99-09-2	3-Nitroaniline	ND		ug/kg dry	86.3	172	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 19:02	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	86.3	172	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 19:02	OW
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	43.2	86.3	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 19:02	OW
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	43.2	86.3	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 19:02	OW
106-47-8	4-Chloroaniline	ND		ug/kg dry	43.2	86.3	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 19:02	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	43.2	86.3	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 19:02	OW
100-01-6	4-Nitroaniline	ND		ug/kg dry	86.3	172	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 19:02	OW
100-02-7	4-Nitrophenol	ND		ug/kg dry	86.3	172	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 19:02	OW
83-32-9	Acenaphthene	ND		ug/kg dry	43.2	86.3	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 19:02	OW
208-96-8	Acenaphthylene	ND		ug/kg dry	43.2	86.3	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 19:02	OW
98-86-2	Acetophenone	ND		ug/kg dry	43.2	86.3	2	EPA 8270D Certifications:	04/21/2020 07:49 NELAC-NY10854,NJDEP,PADEP	04/21/2020 19:02	OW
62-53-3	Aniline	ND		ug/kg dry	173	346	2	EPA 8270D Certifications:	04/21/2020 07:49 NELAC-NY10854,NJDEP,PADEP	04/21/2020 19:02	OW
120-12-7	Anthracene	ND		ug/kg dry	43.2	86.3	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 19:02	OW
1912-24-9	Atrazine	ND		ug/kg dry	43.2	86.3	2	EPA 8270D Certifications:	04/21/2020 07:49 NELAC-NY10854,NJDEP,PADEP	04/21/2020 19:02	OW
100-52-7	Benzaldehyde	ND	CCV-L	ug/kg dry	43.2	86.3	2	EPA 8270D Certifications:	04/21/2020 07:49 NELAC-NY10854,NJDEP,PADEP	04/21/2020 19:02	OW
92-87-5	Benzidine	ND		ug/kg dry	173	346	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,PADEP	04/21/2020 19:02	OW
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	43.2	86.3	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 19:02	OW
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	43.2	86.3	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 19:02	OW
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	43.2	86.3	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 19:02	OW



Sample Information

Client Sample ID: SB-2@5'-6'

York Sample ID: 20D0471-04

York Project (SDG) No.
20D0471

Client Project ID
190740 659 E. 222 St

Matrix
Soil

Collection Date/Time
April 15, 2020 10:05 am

Date Received
04/16/2020

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes: BTL-X

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	43.2	86.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:02	OW
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	43.2	86.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:02	OW
65-85-0	Benzoic acid	ND		ug/kg dry	43.2	86.3	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:02	OW
100-51-6	Benzyl alcohol	ND		ug/kg dry	43.2	86.3	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:02	OW
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	43.2	86.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:02	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	43.2	86.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:02	OW
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	43.2	86.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:02	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	43.2	86.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:02	OW
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	43.2	86.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:02	OW
105-60-2	Caprolactam	ND		ug/kg dry	86.3	172	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:02	OW
86-74-8	Carbazole	ND		ug/kg dry	43.2	86.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:02	OW
218-01-9	Chrysene	ND		ug/kg dry	43.2	86.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:02	OW
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	43.2	86.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:02	OW
132-64-9	Dibenzofuran	ND		ug/kg dry	43.2	86.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:02	OW
84-66-2	Diethyl phthalate	ND		ug/kg dry	43.2	86.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:02	OW
131-11-3	Dimethyl phthalate	ND		ug/kg dry	43.2	86.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:02	OW
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	43.2	86.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:02	OW
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	43.2	86.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:02	OW
206-44-0	Fluoranthene	ND		ug/kg dry	43.2	86.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:02	OW
86-73-7	Fluorene	ND		ug/kg dry	43.2	86.3	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:02	OW
118-74-1	Hexachlorobenzene	ND		ug/kg dry	43.2	86.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:02	OW
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	43.2	86.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:02	OW
77-47-4	Hexachlorocyclopentadiene	ND	CCV-L	ug/kg dry	43.2	86.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:02	OW



Sample Information

Client Sample ID: SB-2@5'-6'

York Sample ID: 20D0471-04

York Project (SDG) No.
20D0471

Client Project ID
190740 659 E. 222 St

Matrix
Soil

Collection Date/Time
April 15, 2020 10:05 am

Date Received
04/16/2020

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes: BTL-X

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-72-1	Hexachloroethane	ND		ug/kg dry	43.2	86.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:02	OW
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	43.2	86.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:02	OW
78-59-1	Isophorone	ND		ug/kg dry	43.2	86.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:02	OW
91-20-3	Naphthalene	ND		ug/kg dry	43.2	86.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:02	OW
98-95-3	Nitrobenzene	ND		ug/kg dry	43.2	86.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:02	OW
62-75-9	N-Nitrosodimethylamine	ND	CCV-L	ug/kg dry	43.2	86.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:02	OW
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	43.2	86.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:02	OW
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	43.2	86.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:02	OW
87-86-5	Pentachlorophenol	ND		ug/kg dry	43.2	86.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:02	OW
85-01-8	Phenanthrene	ND		ug/kg dry	43.2	86.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:02	OW
108-95-2	Phenol	ND		ug/kg dry	43.2	86.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:02	OW
129-00-0	Pyrene	ND		ug/kg dry	43.2	86.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:02	OW
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: SURR: 2-Fluorophenol	59.3 %									
4165-62-2	Surrogate: SURR: Phenol-d5	70.5 %									
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	76.6 %									
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	64.9 %									
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	96.2 %									
1718-51-0	Surrogate: SURR: Terphenyl-d14	100 %									

Pesticides, 8081 target list

Log-in Notes:

Sample Notes: BTL-X

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		ug/kg dry	1.67	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/22/2020 09:06	CM
72-55-9	4,4'-DDE	ND		ug/kg dry	1.67	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/22/2020 09:06	CM
50-29-3	4,4'-DDT	ND		ug/kg dry	1.67	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/22/2020 09:06	CM
309-00-2	Aldrin	ND		ug/kg dry	1.67	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/22/2020 09:06	CM



Sample Information

Client Sample ID: SB-2@5'-6'

York Sample ID: 20D0471-04

York Project (SDG) No.
20D0471

Client Project ID
190740 659 E. 222 St

Matrix
Soil

Collection Date/Time
April 15, 2020 10:05 am

Date Received
04/16/2020

Pesticides, 8081 target list

Log-in Notes:

Sample Notes: BTL-X

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
319-84-6	alpha-BHC	ND		ug/kg dry	1.67	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/22/2020 09:06	CM
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.67	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	04/17/2020 14:14	04/22/2020 09:06	CM
319-85-7	beta-BHC	ND		ug/kg dry	1.67	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/22/2020 09:06	CM
57-74-9	Chlordane, total	ND		ug/kg dry	33.5	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/22/2020 09:06	CM
319-86-8	delta-BHC	ND		ug/kg dry	1.67	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/22/2020 09:06	CM
60-57-1	Dieldrin	ND		ug/kg dry	1.67	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/22/2020 09:06	CM
959-98-8	Endosulfan I	ND		ug/kg dry	1.67	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/22/2020 09:06	CM
33213-65-9	Endosulfan II	ND		ug/kg dry	1.67	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	04/17/2020 14:14	04/22/2020 09:06	CM
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.67	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/22/2020 09:06	CM
72-20-8	Endrin	ND		ug/kg dry	1.67	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/22/2020 09:06	CM
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.67	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/22/2020 09:06	CM
53494-70-5	Endrin ketone	ND		ug/kg dry	1.67	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/22/2020 09:06	CM
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.67	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/22/2020 09:06	CM
5566-34-7	gamma-Chlordane	ND		ug/kg dry	1.67	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	04/17/2020 14:14	04/22/2020 09:06	CM
76-44-8	Heptachlor	ND		ug/kg dry	1.67	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/22/2020 09:06	CM
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.67	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/22/2020 09:06	CM
72-43-5	Methoxychlor	ND		ug/kg dry	8.37	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/22/2020 09:06	CM
8001-35-2	Toxaphene	ND		ug/kg dry	84.7	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/22/2020 09:06	CM
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	67.2 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	51.4 %	30-150							

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes: BTL-X

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
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Sample Information

Client Sample ID: SB-2@5'-6'

York Sample ID: 20D0471-04

York Project (SDG) No.
20D0471

Client Project ID
190740 659 E. 222 St

Matrix
Soil

Collection Date/Time
April 15, 2020 10:05 am

Date Received
04/16/2020

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes: BTL-X

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	0.0169	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/17/2020 14:14	04/20/2020 15:56	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0169	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/17/2020 14:14	04/20/2020 15:56	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0169	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/17/2020 14:14	04/20/2020 15:56	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0169	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/17/2020 14:14	04/20/2020 15:56	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0169	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/17/2020 14:14	04/20/2020 15:56	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0169	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/17/2020 14:14	04/20/2020 15:56	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0169	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/17/2020 14:14	04/20/2020 15:56	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0169	1	EPA 8082A Certifications:	04/17/2020 14:14	04/20/2020 15:56	BJ
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	62.0 %	30-140							
2051-24-3	Surrogate: Decachlorobiphenyl	55.5 %	30-140							

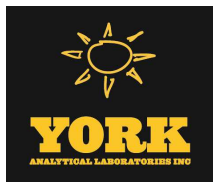
Metals, Target Analyte

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	4150		mg/kg dry	5.19	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:42	KML
7440-36-0	Antimony	ND		mg/kg dry	2.60	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:42	KML
7440-38-2	Arsenic	ND		mg/kg dry	1.56	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:42	KML
7440-39-3	Barium	27.3		mg/kg dry	2.60	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:42	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.052	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:42	KML
7440-43-9	Cadmium	ND		mg/kg dry	0.311	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:42	KML
7440-70-2	Calcium	6830		mg/kg dry	5.19	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:42	KML
7440-47-3	Chromium	12.3		mg/kg dry	0.519	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:42	KML
7440-48-4	Cobalt	4.08		mg/kg dry	0.415	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:42	KML



Sample Information

Client Sample ID: SB-2@5'-6'

York Sample ID: 20D0471-04

York Project (SDG) No.

20D0471

Client Project ID

190740 659 E. 222 St

Matrix

Soil

Collection Date/Time

April 15, 2020 10:05 am

Date Received

04/16/2020

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
7440-50-8	Copper	12.5		mg/kg dry	2.08	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:42	KML
7439-89-6	Iron	8270		mg/kg dry	26.0	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:42	KML
7439-92-1	Lead	3.52		mg/kg dry	0.519	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:42	KML
7439-95-4	Magnesium	4930		mg/kg dry	5.19	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:42	KML
7439-96-5	Manganese	195		mg/kg dry	0.519	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:42	KML
7440-02-0	Nickel	9.18		mg/kg dry	1.04	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:42	KML
7440-09-7	Potassium	602		mg/kg dry	5.19	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:42	KML
7782-49-2	Selenium	ND		mg/kg dry	2.60	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:42	KML
7440-22-4	Silver	ND		mg/kg dry	0.519	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:42	KML
7440-23-5	Sodium	192		mg/kg dry	51.9	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:42	KML
7440-28-0	Thallium	ND		mg/kg dry	2.60	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:42	KML
7440-62-2	Vanadium	14.3		mg/kg dry	1.04	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:42	KML
7440-66-6	Zinc	18.7		mg/kg dry	2.60	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:42	KML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0311	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	04/17/2020 11:06	04/17/2020 14:23	SY

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	96.3		%	0.100	1	SM 2540G Certifications: CTDOH	04/17/2020 07:51	04/17/2020 11:26	JAG



Sample Information

Client Sample ID: SB-3@1'-2'

York Sample ID: 20D0471-05

York Project (SDG) No.
20D0471

Client Project ID
190740 659 E. 222 St

Matrix
Soil

Collection Date/Time
April 15, 2020 10:35 am

Date Received
04/16/2020

Volatile Organics, 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		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:05	AB
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:05	AB
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:05	AB
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/17/2020 09:30	04/17/2020 18:05	AB
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:05	AB
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:05	AB
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:05	AB
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:05	AB
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	04/17/2020 09:30	04/17/2020 18:05	AB
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:05	AB
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:05	AB
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.8	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:05	AB
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:05	AB
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:05	AB
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:05	AB
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:05	AB
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:05	AB
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:05	AB
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:05	AB
123-91-1	1,4-Dioxane	ND		ug/kg dry	56	110	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:05	AB
78-93-3	2-Butanone	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:05	AB
591-78-6	2-Hexanone	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:05	AB
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:05	AB



Sample Information

Client Sample ID: SB-3@1'-2'

York Sample ID: 20D0471-05

York Project (SDG) No.
20D0471

Client Project ID
190740 659 E. 222 St

Matrix
Soil

Collection Date/Time
April 15, 2020 10:35 am

Date Received
04/16/2020

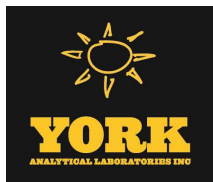
Volatile Organics, 8260 - Comprehensive

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
67-64-1	Acetone	ND		ug/kg dry	5.6	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:05	AB
107-02-8	Acrolein	ND		ug/kg dry	5.6	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:05	AB
107-13-1	Acrylonitrile	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:05	AB
71-43-2	Benzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:05	AB
74-97-5	Bromochloromethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:05	AB
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:05	AB
75-25-2	Bromoform	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:05	AB
74-83-9	Bromomethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:05	AB
75-15-0	Carbon disulfide	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:05	AB
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:05	AB
108-90-7	Chlorobenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:05	AB
75-00-3	Chloroethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:05	AB
67-66-3	Chloroform	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:05	AB
74-87-3	Chloromethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:05	AB
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:05	AB
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:05	AB
110-82-7	Cyclohexane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:05	AB
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:05	AB
74-95-3	Dibromomethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:05	AB
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:05	AB
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:05	AB
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:05	AB
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:05	AB



Sample Information

Client Sample ID: SB-3@1'-2'

York Sample ID: 20D0471-05

York Project (SDG) No.

Client Project ID

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20D0471

190740 659 E. 222 St

Soil

April 15, 2020 10:35 am

04/16/2020

Volatile Organics, 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
79-20-9	Methyl acetate	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:05	AB
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.8	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:05	AB
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:05	AB
75-09-2	Methylene chloride	ND		ug/kg dry	5.6	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:05	AB
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:05	AB
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:05	AB
95-47-6	o-Xylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:05	AB
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.6	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:05	AB
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:05	AB
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:05	AB
100-42-5	Styrene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:05	AB
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.8	28	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:05	AB
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:05	AB
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:05	AB
108-88-3	Toluene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:05	AB
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:05	AB
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:05	AB
110-57-6	* trans-1,4-dichloro-2-butene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH	04/17/2020 09:30	04/17/2020 18:05	AB
79-01-6	Trichloroethylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:05	AB
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:05	AB
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:05	AB
1330-20-7	Xylenes, Total	ND		ug/kg dry	8.4	17	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/17/2020 09:30	04/17/2020 18:05	AB
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	92.8 %	77-125								



Sample Information

Client Sample ID: SB-3@1'-2'

York Sample ID: 20D0471-05

York Project (SDG) No.
20D0471

Client Project ID
190740 659 E. 222 St

Matrix
Soil

Collection Date/Time
April 15, 2020 10:35 am

Date Received
04/16/2020

Volatile Organics, 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
2037-26-5	Surrogate: SURR: Toluene-d8	101 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	101 %			76-130						

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes: BTL-X

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:32	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	109	218	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:32	OW
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:32	OW
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/21/2020 07:49	04/21/2020 19:32	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:32	OW
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/21/2020 07:49	04/21/2020 19:32	OW
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/21/2020 07:49	04/21/2020 19:32	OW
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	109	218	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:32	OW
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:32	OW
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:32	OW
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:32	OW
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:32	OW
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	109	218	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:32	OW
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:32	OW
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:32	OW
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:32	OW
95-57-8	2-Chlorophenol	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:32	OW
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:32	OW
95-48-7	2-Methylphenol	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:32	OW



Sample Information

Client Sample ID: SB-3@1'-2'

York Sample ID: 20D0471-05

York Project (SDG) No.
20D0471

Client Project ID
190740 659 E. 222 St

Matrix
Soil

Collection Date/Time
April 15, 2020 10:35 am

Date Received
04/16/2020

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes: BTL-X

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
88-74-4	2-Nitroaniline	ND		ug/kg dry	109	218	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:32	OW
88-75-5	2-Nitrophenol	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:32	OW
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:32	OW
91-94-1	3,3-Dichlorobenzidine	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:32	OW
99-09-2	3-Nitroaniline	ND		ug/kg dry	109	218	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:32	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	109	218	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:32	OW
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:32	OW
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:32	OW
106-47-8	4-Chloroaniline	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:32	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:32	OW
100-01-6	4-Nitroaniline	ND		ug/kg dry	109	218	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:32	OW
100-02-7	4-Nitrophenol	ND		ug/kg dry	109	218	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:32	OW
83-32-9	Acenaphthene	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:32	OW
208-96-8	Acenaphthylene	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:32	OW
98-86-2	Acetophenone	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:32	OW
62-53-3	Aniline	ND		ug/kg dry	219	437	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:32	OW
120-12-7	Anthracene	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:32	OW
1912-24-9	Atrazine	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:32	OW
100-52-7	Benzaldehyde	ND	CCV-L	ug/kg dry	54.7	109	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:32	OW
92-87-5	Benzidine	ND		ug/kg dry	219	437	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	04/21/2020 07:49	04/21/2020 19:32	OW
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:32	OW
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:32	OW
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:32	OW



Sample Information

Client Sample ID: SB-3@1'-2'

York Sample ID: 20D0471-05

York Project (SDG) No.
20D0471

Client Project ID
190740 659 E. 222 St

Matrix
Soil

Collection Date/Time
April 15, 2020 10:35 am

Date Received
04/16/2020

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes: BTL-X

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 19:32	OW
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 19:32	OW
65-85-0	Benzoic acid	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications:	04/21/2020 07:49 NELAC-NY10854,NJDEP,PADEP	04/21/2020 19:32	OW
100-51-6	Benzyl alcohol	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications:	04/21/2020 07:49 NELAC-NY10854,NJDEP,PADEP	04/21/2020 19:32	OW
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 19:32	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 19:32	OW
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 19:32	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 19:32	OW
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 19:32	OW
105-60-2	Caprolactam	ND		ug/kg dry	109	218	2	EPA 8270D Certifications:	04/21/2020 07:49 NELAC-NY10854,NJDEP,PADEP	04/21/2020 19:32	OW
86-74-8	Carbazole	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 19:32	OW
218-01-9	Chrysene	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 19:32	OW
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 19:32	OW
132-64-9	Dibenzofuran	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 19:32	OW
84-66-2	Diethyl phthalate	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 19:32	OW
131-11-3	Dimethyl phthalate	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 19:32	OW
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 19:32	OW
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 19:32	OW
206-44-0	Fluoranthene	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 19:32	OW
86-73-7	Fluorene	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications:	04/21/2020 07:49 NELAC-NY10854,NJDEP,PADEP	04/21/2020 19:32	OW
118-74-1	Hexachlorobenzene	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 19:32	OW
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 19:32	OW
77-47-4	Hexachlorocyclopentadiene	ND	CCV-L	ug/kg dry	54.7	109	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 19:32	OW



Sample Information

Client Sample ID: SB-3@1'-2'

York Sample ID: 20D0471-05

York Project (SDG) No.
20D0471

Client Project ID
190740 659 E. 222 St

Matrix
Soil

Collection Date/Time
April 15, 2020 10:35 am

Date Received
04/16/2020

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes: BTL-X

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-72-1	Hexachloroethane	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:32	OW
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:32	OW
78-59-1	Isophorone	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:32	OW
91-20-3	Naphthalene	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:32	OW
98-95-3	Nitrobenzene	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:32	OW
62-75-9	N-Nitrosodimethylamine	ND	CCV-L	ug/kg dry	54.7	109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:32	OW
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:32	OW
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:32	OW
87-86-5	Pentachlorophenol	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:32	OW
85-01-8	Phenanthrene	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:32	OW
108-95-2	Phenol	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:32	OW
129-00-0	Pyrene	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 19:32	OW
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: SURR: 2-Fluorophenol	62.3 %									
4165-62-2	Surrogate: SURR: Phenol-d5	71.5 %									
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	77.3 %									
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	69.4 %									
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	106 %									
1718-51-0	Surrogate: SURR: Terphenyl-d14	115 %									

Pesticides, 8081 target list

Log-in Notes:

Sample Notes: BTL-X

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		ug/kg dry	2.14	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/20/2020 15:16	CM
72-55-9	4,4'-DDE	ND		ug/kg dry	2.14	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/20/2020 15:16	CM
50-29-3	4,4'-DDT	ND		ug/kg dry	2.14	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/20/2020 15:16	CM
309-00-2	Aldrin	ND		ug/kg dry	2.14	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/20/2020 15:16	CM



Sample Information

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Pesticides, 8081 target list

Log-in Notes:

Sample Notes: BTL-X

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
319-84-6	alpha-BHC	ND		ug/kg dry	2.14	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/20/2020 15:16	CM
5103-71-9	alpha-Chlordane	ND		ug/kg dry	2.14	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	04/17/2020 14:14	04/20/2020 15:16	CM
319-85-7	beta-BHC	ND		ug/kg dry	2.14	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/20/2020 15:16	CM
57-74-9	Chlordane, total	ND		ug/kg dry	42.8	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/20/2020 15:16	CM
319-86-8	delta-BHC	ND		ug/kg dry	2.14	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/20/2020 15:16	CM
60-57-1	Dieldrin	ND		ug/kg dry	2.14	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/20/2020 15:16	CM
959-98-8	Endosulfan I	ND		ug/kg dry	2.14	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/20/2020 15:16	CM
33213-65-9	Endosulfan II	ND		ug/kg dry	2.14	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	04/17/2020 14:14	04/20/2020 15:16	CM
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	2.14	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/20/2020 15:16	CM
72-20-8	Endrin	ND		ug/kg dry	2.14	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/20/2020 15:16	CM
7421-93-4	Endrin aldehyde	ND		ug/kg dry	2.14	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/20/2020 15:16	CM
53494-70-5	Endrin ketone	ND		ug/kg dry	2.14	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/20/2020 15:16	CM
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	2.14	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/20/2020 15:16	CM
5566-34-7	gamma-Chlordane	ND		ug/kg dry	2.14	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	04/17/2020 14:14	04/20/2020 15:16	CM
76-44-8	Heptachlor	ND		ug/kg dry	2.14	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/20/2020 15:16	CM
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	2.14	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/20/2020 15:16	CM
72-43-5	Methoxychlor	ND		ug/kg dry	10.7	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/20/2020 15:16	CM
8001-35-2	Toxaphene	ND		ug/kg dry	108	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/20/2020 15:16	CM
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	81.9 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	87.3 %	30-150							

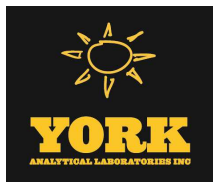
Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes: BTL-X

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
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Sample Information

Client Sample ID: SB-3@1'-2'

York Sample ID: 20D0471-05

York Project (SDG) No.

Client Project ID

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20D0471

190740 659 E. 222 St

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Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes: BTL-X

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	0.0216	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/17/2020 14:14	04/20/2020 16:10	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0216	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/17/2020 14:14	04/20/2020 16:10	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0216	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/17/2020 14:14	04/20/2020 16:10	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0216	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/17/2020 14:14	04/20/2020 16:10	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0216	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/17/2020 14:14	04/20/2020 16:10	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0216	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/17/2020 14:14	04/20/2020 16:10	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0216	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/17/2020 14:14	04/20/2020 16:10	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0216	1	EPA 8082A Certifications:	04/17/2020 14:14	04/20/2020 16:10	BJ
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	74.5 %	30-140							
2051-24-3	Surrogate: Decachlorobiphenyl	63.5 %	30-140							

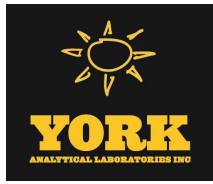
Metals, Target Analyte

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	9540		mg/kg dry	6.57	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:44	KML
7440-36-0	Antimony	ND		mg/kg dry	3.28	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:44	KML
7440-38-2	Arsenic	ND		mg/kg dry	1.97	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:44	KML
7440-39-3	Barium	43.6		mg/kg dry	3.28	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:44	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.066	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:44	KML
7440-43-9	Cadmium	ND		mg/kg dry	0.394	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:44	KML
7440-70-2	Calcium	1890		mg/kg dry	6.57	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:44	KML
7440-47-3	Chromium	18.8		mg/kg dry	0.657	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:44	KML
7440-48-4	Cobalt	7.97		mg/kg dry	0.525	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:44	KML



Sample Information

Client Sample ID: SB-3@1'-2'

York Sample ID: 20D0471-05

York Project (SDG) No.

20D0471

Client Project ID

190740 659 E. 222 St

Matrix

Soil

Collection Date/Time

April 15, 2020 10:35 am

Date Received

04/16/2020

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
7440-50-8	Copper	21.0		mg/kg dry	2.63	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:44	KML
7439-89-6	Iron	13800		mg/kg dry	32.8	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:44	KML
7439-92-1	Lead	38.1		mg/kg dry	0.657	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:44	KML
7439-95-4	Magnesium	3610		mg/kg dry	6.57	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:44	KML
7439-96-5	Manganese	341		mg/kg dry	0.657	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:44	KML
7440-02-0	Nickel	18.7		mg/kg dry	1.31	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:44	KML
7440-09-7	Potassium	1170		mg/kg dry	6.57	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:44	KML
7782-49-2	Selenium	ND		mg/kg dry	3.28	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:44	KML
7440-22-4	Silver	ND		mg/kg dry	0.657	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:44	KML
7440-23-5	Sodium	165		mg/kg dry	65.7	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:44	KML
7440-28-0	Thallium	ND		mg/kg dry	3.28	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:44	KML
7440-62-2	Vanadium	29.2		mg/kg dry	1.31	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:44	KML
7440-66-6	Zinc	41.8		mg/kg dry	3.28	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:44	KML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0394	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	04/17/2020 11:06	04/17/2020 14:32	SY

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	76.1		%	0.100	1	SM 2540G Certifications: CTDOH	04/17/2020 07:51	04/17/2020 11:26	JAG



Sample Information

Client Sample ID: SB-3@5'-6'

York Sample ID: 20D0471-06

York Project (SDG) No.
20D0471

Client Project ID
190740 659 E. 222 St

Matrix
Soil

Collection Date/Time
April 15, 2020 10:55 am

Date Received
04/16/2020

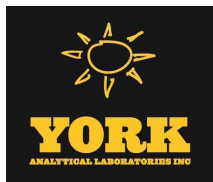
Volatile Organics, 8260 - Comprehensive

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		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:33	AB
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:33	AB
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:33	AB
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/17/2020 09:30	04/17/2020 18:33	AB
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:33	AB
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:33	AB
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:33	AB
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:33	AB
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	04/17/2020 09:30	04/17/2020 18:33	AB
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:33	AB
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:33	AB
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.7	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:33	AB
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:33	AB
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:33	AB
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:33	AB
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:33	AB
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:33	AB
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:33	AB
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:33	AB
123-91-1	1,4-Dioxane	ND		ug/kg dry	55	110	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:33	AB
78-93-3	2-Butanone	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:33	AB
591-78-6	2-Hexanone	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:33	AB
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:33	AB



Sample Information

Client Sample ID: SB-3@5'-6'

York Sample ID: 20D0471-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20D0471

190740 659 E. 222 St

Soil

April 15, 2020 10:55 am

04/16/2020

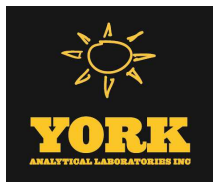
Volatile Organics, 8260 - Comprehensive

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
67-64-1	Acetone	ND		ug/kg dry	5.5	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:33	AB
107-02-8	Acrolein	ND		ug/kg dry	5.5	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:33	AB
107-13-1	Acrylonitrile	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:33	AB
71-43-2	Benzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:33	AB
74-97-5	Bromochloromethane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:33	AB
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:33	AB
75-25-2	Bromoform	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:33	AB
74-83-9	Bromomethane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:33	AB
75-15-0	Carbon disulfide	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:33	AB
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:33	AB
108-90-7	Chlorobenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:33	AB
75-00-3	Chloroethane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:33	AB
67-66-3	Chloroform	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:33	AB
74-87-3	Chloromethane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:33	AB
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:33	AB
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:33	AB
110-82-7	Cyclohexane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:33	AB
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:33	AB
74-95-3	Dibromomethane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:33	AB
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:33	AB
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:33	AB
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:33	AB
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:33	AB



Sample Information

Client Sample ID: SB-3@5'-6'

York Sample ID: 20D0471-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20D0471

190740 659 E. 222 St

Soil

April 15, 2020 10:55 am

04/16/2020

Volatile Organics, 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
79-20-9	Methyl acetate	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:33	AB
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.7	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:33	AB
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:33	AB
75-09-2	Methylene chloride	ND		ug/kg dry	5.5	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:33	AB
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:33	AB
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:33	AB
95-47-6	o-Xylene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:33	AB
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.5	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:33	AB
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:33	AB
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:33	AB
100-42-5	Styrene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:33	AB
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.7	27	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:33	AB
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:33	AB
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:33	AB
108-88-3	Toluene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:33	AB
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:33	AB
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:33	AB
110-57-6	* trans-1,4-dichloro-2-butene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH	04/17/2020 09:30	04/17/2020 18:33	AB
79-01-6	Trichloroethylene	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:33	AB
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:33	AB
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.7	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 18:33	AB
1330-20-7	Xylenes, Total	ND		ug/kg dry	8.2	16	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/17/2020 09:30	04/17/2020 18:33	AB
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	94.2 %	77-125								



Sample Information

Client Sample ID: SB-3@5'-6'

York Sample ID: 20D0471-06

York Project (SDG) No.
20D0471

Client Project ID
190740 659 E. 222 St

Matrix
Soil

Collection Date/Time
April 15, 2020 10:55 am

Date Received
04/16/2020

Volatile Organics, 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
2037-26-5	Surrogate: SURR: Toluene-d8	101 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	101 %			76-130						

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes: BTL-X

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/kg dry	42.9	85.5	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 20:02	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	85.5	171	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 20:02	OW
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	42.9	85.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 20:02	OW
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	42.9	85.5	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/21/2020 07:49	04/21/2020 20:02	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	42.9	85.5	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 20:02	OW
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	42.9	85.5	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/21/2020 07:49	04/21/2020 20:02	OW
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	42.9	85.5	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/21/2020 07:49	04/21/2020 20:02	OW
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	85.5	171	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 20:02	OW
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	42.9	85.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 20:02	OW
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	42.9	85.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 20:02	OW
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	42.9	85.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 20:02	OW
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	42.9	85.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 20:02	OW
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	85.5	171	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 20:02	OW
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	42.9	85.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 20:02	OW
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	42.9	85.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 20:02	OW
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	42.9	85.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 20:02	OW
95-57-8	2-Chlorophenol	ND		ug/kg dry	42.9	85.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 20:02	OW
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	42.9	85.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 20:02	OW
95-48-7	2-Methylphenol	ND		ug/kg dry	42.9	85.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 20:02	OW



Sample Information

Client Sample ID: SB-3@5'-6'

York Sample ID: 20D0471-06

York Project (SDG) No.
20D0471

Client Project ID
190740 659 E. 222 St

Matrix
Soil

Collection Date/Time
April 15, 2020 10:55 am

Date Received
04/16/2020

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes: BTL-X

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
88-74-4	2-Nitroaniline	ND		ug/kg dry	85.5	171	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 20:02	OW
88-75-5	2-Nitrophenol	ND		ug/kg dry	42.9	85.5	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 20:02	OW
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	42.9	85.5	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 20:02	OW
91-94-1	3,3-Dichlorobenzidine	ND		ug/kg dry	42.9	85.5	2	EPA 8270D Certifications:	04/21/2020 07:49 NELAC-NY10854,NJDEP,PADEP	04/21/2020 20:02	OW
99-09-2	3-Nitroaniline	ND		ug/kg dry	85.5	171	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 20:02	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	85.5	171	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 20:02	OW
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	42.9	85.5	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 20:02	OW
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	42.9	85.5	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 20:02	OW
106-47-8	4-Chloroaniline	ND		ug/kg dry	42.9	85.5	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 20:02	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	42.9	85.5	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 20:02	OW
100-01-6	4-Nitroaniline	ND		ug/kg dry	85.5	171	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 20:02	OW
100-02-7	4-Nitrophenol	ND		ug/kg dry	85.5	171	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 20:02	OW
83-32-9	Acenaphthene	ND		ug/kg dry	42.9	85.5	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 20:02	OW
208-96-8	Acenaphthylene	ND		ug/kg dry	42.9	85.5	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 20:02	OW
98-86-2	Acetophenone	ND		ug/kg dry	42.9	85.5	2	EPA 8270D Certifications:	04/21/2020 07:49 NELAC-NY10854,NJDEP,PADEP	04/21/2020 20:02	OW
62-53-3	Aniline	ND		ug/kg dry	171	342	2	EPA 8270D Certifications:	04/21/2020 07:49 NELAC-NY10854,NJDEP,PADEP	04/21/2020 20:02	OW
120-12-7	Anthracene	ND		ug/kg dry	42.9	85.5	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 20:02	OW
1912-24-9	Atrazine	ND		ug/kg dry	42.9	85.5	2	EPA 8270D Certifications:	04/21/2020 07:49 NELAC-NY10854,NJDEP,PADEP	04/21/2020 20:02	OW
100-52-7	Benzaldehyde	ND	CCV-L	ug/kg dry	42.9	85.5	2	EPA 8270D Certifications:	04/21/2020 07:49 NELAC-NY10854,NJDEP,PADEP	04/21/2020 20:02	OW
92-87-5	Benzidine	ND		ug/kg dry	171	342	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,PADEP	04/21/2020 20:02	OW
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	42.9	85.5	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 20:02	OW
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	42.9	85.5	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 20:02	OW
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	42.9	85.5	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 20:02	OW



Sample Information

Client Sample ID: SB-3@5'-6'

York Sample ID: 20D0471-06

York Project (SDG) No.
20D0471

Client Project ID
190740 659 E. 222 St

Matrix
Soil

Collection Date/Time
April 15, 2020 10:55 am

Date Received
04/16/2020

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes: BTL-X

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	42.9	85.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 20:02	OW
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	42.9	85.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 20:02	OW
65-85-0	Benzoic acid	ND		ug/kg dry	42.9	85.5	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 20:02	OW
100-51-6	Benzyl alcohol	ND		ug/kg dry	42.9	85.5	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 20:02	OW
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	42.9	85.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 20:02	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	42.9	85.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 20:02	OW
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	42.9	85.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 20:02	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	42.9	85.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 20:02	OW
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	42.9	85.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 20:02	OW
105-60-2	Caprolactam	ND		ug/kg dry	85.5	171	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 20:02	OW
86-74-8	Carbazole	ND		ug/kg dry	42.9	85.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 20:02	OW
218-01-9	Chrysene	ND		ug/kg dry	42.9	85.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 20:02	OW
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	42.9	85.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 20:02	OW
132-64-9	Dibenzofuran	ND		ug/kg dry	42.9	85.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 20:02	OW
84-66-2	Diethyl phthalate	ND		ug/kg dry	42.9	85.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 20:02	OW
131-11-3	Dimethyl phthalate	ND		ug/kg dry	42.9	85.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 20:02	OW
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	42.9	85.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 20:02	OW
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	42.9	85.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 20:02	OW
206-44-0	Fluoranthene	ND		ug/kg dry	42.9	85.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 20:02	OW
86-73-7	Fluorene	ND		ug/kg dry	42.9	85.5	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 20:02	OW
118-74-1	Hexachlorobenzene	ND		ug/kg dry	42.9	85.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 20:02	OW
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	42.9	85.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 20:02	OW
77-47-4	Hexachlorocyclopentadiene	ND	CCV-L	ug/kg dry	42.9	85.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 20:02	OW



Sample Information

Client Sample ID: SB-3@5'-6'

York Sample ID: 20D0471-06

York Project (SDG) No.
20D0471

Client Project ID
190740 659 E. 222 St

Matrix
Soil

Collection Date/Time
April 15, 2020 10:55 am

Date Received
04/16/2020

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes: BTL-X

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-72-1	Hexachloroethane	ND		ug/kg dry	42.9	85.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 20:02	OW
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	42.9	85.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 20:02	OW
78-59-1	Isophorone	ND		ug/kg dry	42.9	85.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 20:02	OW
91-20-3	Naphthalene	ND		ug/kg dry	42.9	85.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 20:02	OW
98-95-3	Nitrobenzene	ND		ug/kg dry	42.9	85.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 20:02	OW
62-75-9	N-Nitrosodimethylamine	ND	CCV-L	ug/kg dry	42.9	85.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 20:02	OW
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	42.9	85.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 20:02	OW
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	42.9	85.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 20:02	OW
87-86-5	Pentachlorophenol	ND		ug/kg dry	42.9	85.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 20:02	OW
85-01-8	Phenanthrene	ND		ug/kg dry	42.9	85.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 20:02	OW
108-95-2	Phenol	ND		ug/kg dry	42.9	85.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 20:02	OW
129-00-0	Pyrene	ND		ug/kg dry	42.9	85.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 20:02	OW
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: SURR: 2-Fluorophenol	58.2 %				20-108					
4165-62-2	Surrogate: SURR: Phenol-d5	70.8 %				23-114					
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	69.9 %				22-108					
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	64.9 %				21-113					
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	105 %				19-110					
1718-51-0	Surrogate: SURR: Terphenyl-d14	121 %	S-08			24-116					

Pesticides, 8081 target list

Log-in Notes:

Sample Notes: BTL-X

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		ug/kg dry	1.68	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/20/2020 15:32	CM
72-55-9	4,4'-DDE	ND		ug/kg dry	1.68	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/20/2020 15:32	CM
50-29-3	4,4'-DDT	ND		ug/kg dry	1.68	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/20/2020 15:32	CM
309-00-2	Aldrin	ND		ug/kg dry	1.68	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/20/2020 15:32	CM



Sample Information

Client Sample ID: SB-3@5'-6'

York Sample ID: 20D0471-06

York Project (SDG) No.
20D0471

Client Project ID
190740 659 E. 222 St

Matrix
Soil

Collection Date/Time
April 15, 2020 10:55 am

Date Received
04/16/2020

Pesticides, 8081 target list

Log-in Notes:

Sample Notes: BTL-X

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
319-84-6	alpha-BHC	ND		ug/kg dry	1.68	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/20/2020 15:32	CM
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.68	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	04/17/2020 14:14	04/20/2020 15:32	CM
319-85-7	beta-BHC	ND		ug/kg dry	1.68	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/20/2020 15:32	CM
57-74-9	Chlordane, total	ND		ug/kg dry	33.6	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/20/2020 15:32	CM
319-86-8	delta-BHC	ND		ug/kg dry	1.68	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/20/2020 15:32	CM
60-57-1	Dieldrin	ND		ug/kg dry	1.68	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/20/2020 15:32	CM
959-98-8	Endosulfan I	ND		ug/kg dry	1.68	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/20/2020 15:32	CM
33213-65-9	Endosulfan II	ND		ug/kg dry	1.68	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	04/17/2020 14:14	04/20/2020 15:32	CM
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.68	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/20/2020 15:32	CM
72-20-8	Endrin	ND		ug/kg dry	1.68	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/20/2020 15:32	CM
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.68	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/20/2020 15:32	CM
53494-70-5	Endrin ketone	ND		ug/kg dry	1.68	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/20/2020 15:32	CM
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.68	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/20/2020 15:32	CM
5566-34-7	gamma-Chlordane	ND		ug/kg dry	1.68	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	04/17/2020 14:14	04/20/2020 15:32	CM
76-44-8	Heptachlor	ND		ug/kg dry	1.68	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/20/2020 15:32	CM
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.68	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/20/2020 15:32	CM
72-43-5	Methoxychlor	ND		ug/kg dry	8.40	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/20/2020 15:32	CM
8001-35-2	Toxaphene	ND		ug/kg dry	85.0	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:14	04/20/2020 15:32	CM
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	76.4 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	76.8 %	30-150							

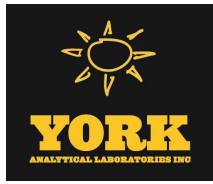
Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes: BTL-X

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
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Sample Information

Client Sample ID: SB-3@5'-6'

York Sample ID: 20D0471-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20D0471

190740 659 E. 222 St

Soil

April 15, 2020 10:55 am

04/16/2020

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes: BTL-X

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	0.0170	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/17/2020 14:14	04/20/2020 16:24	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0170	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/17/2020 14:14	04/20/2020 16:24	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0170	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/17/2020 14:14	04/20/2020 16:24	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0170	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/17/2020 14:14	04/20/2020 16:24	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0170	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/17/2020 14:14	04/20/2020 16:24	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0170	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/17/2020 14:14	04/20/2020 16:24	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0170	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/17/2020 14:14	04/20/2020 16:24	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0170	1	EPA 8082A Certifications:	04/17/2020 14:14	04/20/2020 16:24	BJ
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	63.0 %	30-140							
2051-24-3	Surrogate: Decachlorobiphenyl	55.0 %	30-140							

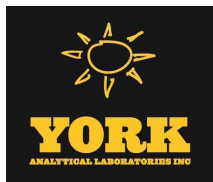
Metals, Target Analyte

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	3360		mg/kg dry	5.16	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:46	KML
7440-36-0	Antimony	ND		mg/kg dry	2.58	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:46	KML
7440-38-2	Arsenic	ND		mg/kg dry	1.55	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:46	KML
7440-39-3	Barium	13.8		mg/kg dry	2.58	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:46	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.052	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:46	KML
7440-43-9	Cadmium	ND		mg/kg dry	0.310	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:46	KML
7440-70-2	Calcium	2060		mg/kg dry	5.16	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:46	KML
7440-47-3	Chromium	8.37		mg/kg dry	0.516	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:46	KML
7440-48-4	Cobalt	3.40		mg/kg dry	0.413	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:46	KML



Sample Information

Client Sample ID: SB-3@5'-6'

York Sample ID: 20D0471-06

York Project (SDG) No.

20D0471

Client Project ID

190740 659 E. 222 St

Matrix

Soil

Collection Date/Time

April 15, 2020 10:55 am

Date Received

04/16/2020

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
7440-50-8	Copper	7.35		mg/kg dry	2.06	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:46	KML
7439-89-6	Iron	6350		mg/kg dry	25.8	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:46	KML
7439-92-1	Lead	1.80		mg/kg dry	0.516	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:46	KML
7439-95-4	Magnesium	2070		mg/kg dry	5.16	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:46	KML
7439-96-5	Manganese	145		mg/kg dry	0.516	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:46	KML
7440-02-0	Nickel	7.17		mg/kg dry	1.03	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:46	KML
7440-09-7	Potassium	414		mg/kg dry	5.16	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:46	KML
7782-49-2	Selenium	ND		mg/kg dry	2.58	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:46	KML
7440-22-4	Silver	ND		mg/kg dry	0.516	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:46	KML
7440-23-5	Sodium	92.3		mg/kg dry	51.6	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:46	KML
7440-28-0	Thallium	ND		mg/kg dry	2.58	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:46	KML
7440-62-2	Vanadium	8.91		mg/kg dry	1.03	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:46	KML
7440-66-6	Zinc	13.0		mg/kg dry	2.58	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:46	KML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0310	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	04/17/2020 11:06	04/17/2020 14:41	SY

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	96.9		%	0.100	1	SM 2540G Certifications: CTDOH	04/17/2020 07:51	04/17/2020 11:26	JAG



Sample Information

Client Sample ID: SB-4@1'-2'

York Sample ID: 20D0471-07

York Project (SDG) No.
20D0471

Client Project ID
190740 659 E. 222 St

Matrix
Soil

Collection Date/Time
April 15, 2020 12:05 pm

Date Received
04/16/2020

Volatile Organics, 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		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:00	AB
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:00	AB
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:00	AB
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/17/2020 09:30	04/17/2020 19:00	AB
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:00	AB
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:00	AB
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:00	AB
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:00	AB
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	04/17/2020 09:30	04/17/2020 19:00	AB
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:00	AB
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:00	AB
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.7	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:00	AB
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:00	AB
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:00	AB
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:00	AB
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:00	AB
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:00	AB
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:00	AB
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:00	AB
123-91-1	1,4-Dioxane	ND		ug/kg dry	53	110	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:00	AB
78-93-3	2-Butanone	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:00	AB
591-78-6	2-Hexanone	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:00	AB
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:00	AB



Sample Information

Client Sample ID: SB-4@1'-2'

York Sample ID: 20D0471-07

York Project (SDG) No.
20D0471

Client Project ID
190740 659 E. 222 St

Matrix
Soil

Collection Date/Time
April 15, 2020 12:05 pm

Date Received
04/16/2020

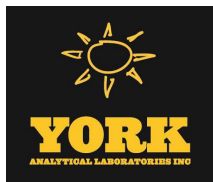
Volatile Organics, 8260 - Comprehensive

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
67-64-1	Acetone	ND		ug/kg dry	5.3	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:00	AB
107-02-8	Acrolein	ND		ug/kg dry	5.3	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:00	AB
107-13-1	Acrylonitrile	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:00	AB
71-43-2	Benzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:00	AB
74-97-5	Bromochloromethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:00	AB
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:00	AB
75-25-2	Bromoform	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:00	AB
74-83-9	Bromomethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:00	AB
75-15-0	Carbon disulfide	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:00	AB
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:00	AB
108-90-7	Chlorobenzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:00	AB
75-00-3	Chloroethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:00	AB
67-66-3	Chloroform	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:00	AB
74-87-3	Chloromethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:00	AB
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:00	AB
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:00	AB
110-82-7	Cyclohexane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:00	AB
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:00	AB
74-95-3	Dibromomethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:00	AB
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:00	AB
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:00	AB
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:00	AB
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:00	AB



Sample Information

Client Sample ID: SB-4@1'-2'

York Sample ID: 20D0471-07

York Project (SDG) No.

20D0471

Client Project ID

190740 659 E. 222 St

Matrix

Soil

Collection Date/Time

April 15, 2020 12:05 pm

Date Received

04/16/2020

Volatile Organics, 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
79-20-9	Methyl acetate	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:00	AB
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.7	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:00	AB
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:00	AB
75-09-2	Methylene chloride	ND		ug/kg dry	5.3	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:00	AB
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:00	AB
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:00	AB
95-47-6	o-Xylene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:00	AB
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.3	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:00	AB
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:00	AB
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:00	AB
100-42-5	Styrene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:00	AB
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.7	27	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:00	AB
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:00	AB
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:00	AB
108-88-3	Toluene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:00	AB
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:00	AB
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:00	AB
110-57-6	* trans-1,4-dichloro-2-butene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH	04/17/2020 09:30	04/17/2020 19:00	AB
79-01-6	Trichloroethylene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:00	AB
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:00	AB
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.7	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:00	AB
1330-20-7	Xylenes, Total	ND		ug/kg dry	8.0	16	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/17/2020 09:30	04/17/2020 19:00	AB
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	95.7 %	77-125								



Sample Information

Client Sample ID: SB-4@1'-2'

York Sample ID: 20D0471-07

York Project (SDG) No.
20D0471

Client Project ID
190740 659 E. 222 St

Matrix
Soil

Collection Date/Time
April 15, 2020 12:05 pm

Date Received
04/16/2020

Volatile Organics, 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
2037-26-5	Surrogate: SURR: Toluene-d8	99.9 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	102 %			76-130						

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes: BTL-X

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 20:32	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	90.0	180	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 20:32	OW
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 20:32	OW
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/21/2020 07:49	04/21/2020 20:32	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 20:32	OW
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/21/2020 07:49	04/21/2020 20:32	OW
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/21/2020 07:49	04/21/2020 20:32	OW
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	90.0	180	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 20:32	OW
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 20:32	OW
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 20:32	OW
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 20:32	OW
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 20:32	OW
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	90.0	180	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 20:32	OW
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 20:32	OW
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 20:32	OW
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 20:32	OW
95-57-8	2-Chlorophenol	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 20:32	OW
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 20:32	OW
95-48-7	2-Methylphenol	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 20:32	OW



Sample Information

Client Sample ID: SB-4@1'-2'

York Sample ID: 20D0471-07

York Project (SDG) No.
20D0471

Client Project ID
190740 659 E. 222 St

Matrix
Soil

Collection Date/Time
April 15, 2020 12:05 pm

Date Received
04/16/2020

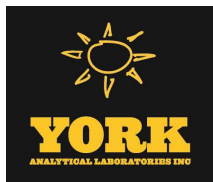
Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes: BTL-X

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
88-74-4	2-Nitroaniline	ND		ug/kg dry	90.0	180	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 20:32	OW
88-75-5	2-Nitrophenol	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 20:32	OW
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 20:32	OW
91-94-1	3,3-Dichlorobenzidine	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	04/21/2020 07:49 NELAC-NY10854,NJDEP,PADEP	04/21/2020 20:32	OW
99-09-2	3-Nitroaniline	ND		ug/kg dry	90.0	180	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 20:32	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	90.0	180	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 20:32	OW
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 20:32	OW
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 20:32	OW
106-47-8	4-Chloroaniline	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 20:32	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 20:32	OW
100-01-6	4-Nitroaniline	ND		ug/kg dry	90.0	180	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 20:32	OW
100-02-7	4-Nitrophenol	ND		ug/kg dry	90.0	180	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 20:32	OW
83-32-9	Acenaphthene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 20:32	OW
208-96-8	Acenaphthylene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 20:32	OW
98-86-2	Acetophenone	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	04/21/2020 07:49 NELAC-NY10854,NJDEP,PADEP	04/21/2020 20:32	OW
62-53-3	Aniline	ND		ug/kg dry	180	360	2	EPA 8270D Certifications:	04/21/2020 07:49 NELAC-NY10854,NJDEP,PADEP	04/21/2020 20:32	OW
120-12-7	Anthracene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 20:32	OW
1912-24-9	Atrazine	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	04/21/2020 07:49 NELAC-NY10854,NJDEP,PADEP	04/21/2020 20:32	OW
100-52-7	Benzaldehyde	ND	CCV-L	ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	04/21/2020 07:49 NELAC-NY10854,NJDEP,PADEP	04/21/2020 20:32	OW
92-87-5	Benzidine	ND		ug/kg dry	180	360	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,PADEP	04/21/2020 20:32	OW
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 20:32	OW
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 20:32	OW
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 20:32	OW



Sample Information

Client Sample ID: SB-4@1'-2'

York Sample ID: 20D0471-07

York Project (SDG) No.

20D0471

Client Project ID

190740 659 E. 222 St

Matrix

Soil

Collection Date/Time

April 15, 2020 12:05 pm

Date Received

04/16/2020

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes: BTL-X

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 20:32	OW
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 20:32	OW
65-85-0	Benzoic acid	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	04/21/2020 07:49 NELAC-NY10854,NJDEP,PADEP	04/21/2020 20:32	OW
100-51-6	Benzyl alcohol	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	04/21/2020 07:49 NELAC-NY10854,NJDEP,PADEP	04/21/2020 20:32	OW
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 20:32	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 20:32	OW
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 20:32	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 20:32	OW
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 20:32	OW
105-60-2	Caprolactam	ND		ug/kg dry	90.0	180	2	EPA 8270D Certifications:	04/21/2020 07:49 NELAC-NY10854,NJDEP,PADEP	04/21/2020 20:32	OW
86-74-8	Carbazole	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 20:32	OW
218-01-9	Chrysene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 20:32	OW
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 20:32	OW
132-64-9	Dibenzofuran	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 20:32	OW
84-66-2	Diethyl phthalate	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 20:32	OW
131-11-3	Dimethyl phthalate	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 20:32	OW
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 20:32	OW
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 20:32	OW
206-44-0	Fluoranthene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 20:32	OW
86-73-7	Fluorene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	04/21/2020 07:49 NELAC-NY10854,NJDEP,PADEP	04/21/2020 20:32	OW
118-74-1	Hexachlorobenzene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 20:32	OW
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 20:32	OW
77-47-4	Hexachlorocyclopentadiene	ND	CCV-L	ug/kg dry	45.1	90.0	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 20:32	OW



Sample Information

Client Sample ID: SB-4@1'-2'

York Sample ID: 20D0471-07

York Project (SDG) No.
20D0471

Client Project ID
190740 659 E. 222 St

Matrix
Soil

Collection Date/Time
April 15, 2020 12:05 pm

Date Received
04/16/2020

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes: BTL-X

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-72-1	Hexachloroethane	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 20:32	OW
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 20:32	OW
78-59-1	Isophorone	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 20:32	OW
91-20-3	Naphthalene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 20:32	OW
98-95-3	Nitrobenzene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 20:32	OW
62-75-9	N-Nitrosodimethylamine	ND	CCV-L	ug/kg dry	45.1	90.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 20:32	OW
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 20:32	OW
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 20:32	OW
87-86-5	Pentachlorophenol	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 20:32	OW
85-01-8	Phenanthrene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 20:32	OW
108-95-2	Phenol	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 20:32	OW
129-00-0	Pyrene	ND		ug/kg dry	45.1	90.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 20:32	OW
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: SURR: 2-Fluorophenol	55.8 %									
4165-62-2	Surrogate: SURR: Phenol-d5	63.3 %									
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	68.2 %									
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	58.6 %									
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	93.3 %									
1718-51-0	Surrogate: SURR: Terphenyl-d14	103 %									

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		ug/kg dry	1.77	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:40	04/22/2020 09:23	CM
72-55-9	4,4'-DDE	ND		ug/kg dry	1.77	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:40	04/22/2020 09:23	CM
50-29-3	4,4'-DDT	ND		ug/kg dry	1.77	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:40	04/22/2020 09:23	CM
309-00-2	Aldrin	ND		ug/kg dry	1.77	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:40	04/22/2020 09:23	CM



Sample Information

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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
319-84-6	alpha-BHC	ND		ug/kg dry	1.77	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:40	04/22/2020 09:23	CM
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.77	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	04/20/2020 07:40	04/22/2020 09:23	CM
319-85-7	beta-BHC	ND		ug/kg dry	1.77	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:40	04/22/2020 09:23	CM
57-74-9	Chlordane, total	ND		ug/kg dry	35.5	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:40	04/22/2020 09:23	CM
319-86-8	delta-BHC	ND		ug/kg dry	1.77	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:40	04/22/2020 09:23	CM
60-57-1	Dieldrin	ND		ug/kg dry	1.77	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:40	04/22/2020 09:23	CM
959-98-8	Endosulfan I	ND		ug/kg dry	1.77	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:40	04/22/2020 09:23	CM
33213-65-9	Endosulfan II	ND		ug/kg dry	1.77	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	04/20/2020 07:40	04/22/2020 09:23	CM
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.77	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:40	04/22/2020 09:23	CM
72-20-8	Endrin	ND		ug/kg dry	1.77	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:40	04/22/2020 09:23	CM
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.77	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:40	04/22/2020 09:23	CM
53494-70-5	Endrin ketone	ND		ug/kg dry	1.77	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:40	04/22/2020 09:23	CM
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.77	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:40	04/22/2020 09:23	CM
5566-34-7	gamma-Chlordane	ND		ug/kg dry	1.77	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	04/20/2020 07:40	04/22/2020 09:23	CM
76-44-8	Heptachlor	ND		ug/kg dry	1.77	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:40	04/22/2020 09:23	CM
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.77	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:40	04/22/2020 09:23	CM
72-43-5	Methoxychlor	ND		ug/kg dry	8.87	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:40	04/22/2020 09:23	CM
8001-35-2	Toxaphene	ND		ug/kg dry	89.8	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:40	04/22/2020 09:23	CM
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	71.2 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	79.9 %	30-150							

Polychlorinated Biphenyls (PCB)

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
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Sample Information

Client Sample ID: SB-4@1'-2'

York Sample ID: 20D0471-07

York Project (SDG) No.
20D0471

Client Project ID
190740 659 E. 222 St

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Polychlorinated Biphenyls (PCB)

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	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/20/2020 07:40	04/20/2020 21:58	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/20/2020 07:40	04/20/2020 21:58	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/20/2020 07:40	04/20/2020 21:58	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/20/2020 07:40	04/20/2020 21:58	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/20/2020 07:40	04/20/2020 21:58	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/20/2020 07:40	04/20/2020 21:58	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/20/2020 07:40	04/20/2020 21:58	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications:	04/20/2020 07:40	04/20/2020 21:58	BJ
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	75.0 %	30-140							
2051-24-3	Surrogate: Decachlorobiphenyl	66.5 %	30-140							

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	8840		mg/kg dry	5.43	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:49	KML
7440-36-0	Antimony	ND		mg/kg dry	2.72	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:49	KML
7440-38-2	Arsenic	ND		mg/kg dry	1.63	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:49	KML
7440-39-3	Barium	64.6		mg/kg dry	2.72	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:49	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.054	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:49	KML
7440-43-9	Cadmium	ND		mg/kg dry	0.326	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:49	KML
7440-70-2	Calcium	1310		mg/kg dry	5.43	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:49	KML
7440-47-3	Chromium	25.3		mg/kg dry	0.543	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:49	KML
7440-48-4	Cobalt	8.79		mg/kg dry	0.435	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:49	KML



Sample Information

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20D0471

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Soil

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April 15, 2020 12:05 pm

Date Received
04/16/2020

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
7440-50-8	Copper	14.7		mg/kg dry	2.17	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:49	KML
7439-89-6	Iron	13300		mg/kg dry	27.2	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:49	KML
7439-92-1	Lead	2.62		mg/kg dry	0.543	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:49	KML
7439-95-4	Magnesium	2900		mg/kg dry	5.43	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:49	KML
7439-96-5	Manganese	265		mg/kg dry	0.543	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:49	KML
7440-02-0	Nickel	18.9		mg/kg dry	1.09	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:49	KML
7440-09-7	Potassium	1910		mg/kg dry	5.43	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:49	KML
7782-49-2	Selenium	ND		mg/kg dry	2.72	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:49	KML
7440-22-4	Silver	ND		mg/kg dry	0.543	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:49	KML
7440-23-5	Sodium	109		mg/kg dry	54.3	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:49	KML
7440-28-0	Thallium	ND		mg/kg dry	2.72	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:49	KML
7440-62-2	Vanadium	27.0		mg/kg dry	1.09	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:49	KML
7440-66-6	Zinc	31.9		mg/kg dry	2.72	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:49	KML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0326	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	04/17/2020 11:06	04/17/2020 14:50	SY

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	92.0		%	0.100	1	SM 2540G Certifications: CTDOH	04/17/2020 07:51	04/17/2020 11:26	JAG



Sample Information

Client Sample ID: SB-4@4'-5'

York Sample ID: 20D0471-08

York Project (SDG) No.
20D0471

Client Project ID
190740 659 E. 222 St

Matrix
Soil

Collection Date/Time
April 15, 2020 12:10 pm

Date Received
04/16/2020

Volatile Organics, 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		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:28	AB
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:28	AB
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:28	AB
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/17/2020 09:30	04/17/2020 19:28	AB
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:28	AB
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:28	AB
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:28	AB
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:28	AB
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	04/17/2020 09:30	04/17/2020 19:28	AB
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:28	AB
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:28	AB
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.4	9.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:28	AB
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:28	AB
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:28	AB
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:28	AB
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:28	AB
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:28	AB
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:28	AB
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:28	AB
123-91-1	1,4-Dioxane	ND		ug/kg dry	49	97	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:28	AB
78-93-3	2-Butanone	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:28	AB
591-78-6	2-Hexanone	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:28	AB
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:28	AB



Sample Information

Client Sample ID: SB-4@4'-5'

York Sample ID: 20D0471-08

York Project (SDG) No.
20D0471

Client Project ID
190740 659 E. 222 St

Matrix
Soil

Collection Date/Time
April 15, 2020 12:10 pm

Date Received
04/16/2020

Volatile Organics, 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
67-64-1	Acetone	ND		ug/kg dry	4.9	9.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:28	AB
107-02-8	Acrolein	ND		ug/kg dry	4.9	9.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:28	AB
107-13-1	Acrylonitrile	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:28	AB
71-43-2	Benzene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:28	AB
74-97-5	Bromochloromethane	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:28	AB
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:28	AB
75-25-2	Bromoform	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:28	AB
74-83-9	Bromomethane	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:28	AB
75-15-0	Carbon disulfide	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:28	AB
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:28	AB
108-90-7	Chlorobenzene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:28	AB
75-00-3	Chloroethane	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:28	AB
67-66-3	Chloroform	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:28	AB
74-87-3	Chloromethane	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:28	AB
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:28	AB
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:28	AB
110-82-7	Cyclohexane	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:28	AB
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:28	AB
74-95-3	Dibromomethane	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:28	AB
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:28	AB
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:28	AB
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:28	AB
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:28	AB



Sample Information

Client Sample ID: SB-4@4'-5'

York Sample ID: 20D0471-08

York Project (SDG) No.
20D0471

Client Project ID
190740 659 E. 222 St

Matrix
Soil

Collection Date/Time
April 15, 2020 12:10 pm

Date Received
04/16/2020

Volatile Organics, 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
79-20-9	Methyl acetate	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:28	AB
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.4	9.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:28	AB
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:28	AB
75-09-2	Methylene chloride	ND		ug/kg dry	4.9	9.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:28	AB
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:28	AB
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:28	AB
95-47-6	o-Xylene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:28	AB
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.9	9.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:28	AB
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:28	AB
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:28	AB
100-42-5	Styrene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:28	AB
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.4	24	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:28	AB
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:28	AB
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:28	AB
108-88-3	Toluene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:28	AB
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:28	AB
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:28	AB
110-57-6	* trans-1,4-dichloro-2-butene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH	04/17/2020 09:30	04/17/2020 19:28	AB
79-01-6	Trichloroethylene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:28	AB
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:28	AB
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:28	AB
1330-20-7	Xylenes, Total	ND		ug/kg dry	7.3	15	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/17/2020 09:30	04/17/2020 19:28	AB
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	93.9 %	77-125								



Sample Information

Client Sample ID: SB-4@4'-5'

York Sample ID: 20D0471-08

York Project (SDG) No.
20D0471

Client Project ID
190740 659 E. 222 St

Matrix
Soil

Collection Date/Time
April 15, 2020 12:10 pm

Date Received
04/16/2020

Volatile Organics, 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
2037-26-5	Surrogate: SURR: Toluene-d8	98.7 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	105 %			76-130						

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes: BTL-X

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 21:03	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	95.6	191	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 21:03	OW
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 21:03	OW
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/21/2020 07:49	04/21/2020 21:03	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 21:03	OW
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/21/2020 07:49	04/21/2020 21:03	OW
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/21/2020 07:49	04/21/2020 21:03	OW
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	95.6	191	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 21:03	OW
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 21:03	OW
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 21:03	OW
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 21:03	OW
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 21:03	OW
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	95.6	191	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 21:03	OW
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 21:03	OW
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 21:03	OW
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 21:03	OW
95-57-8	2-Chlorophenol	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 21:03	OW
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 21:03	OW
95-48-7	2-Methylphenol	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 21:03	OW



Sample Information

Client Sample ID: SB-4@4'-5'

York Sample ID: 20D0471-08

York Project (SDG) No.
20D0471

Client Project ID
190740 659 E. 222 St

Matrix
Soil

Collection Date/Time
April 15, 2020 12:10 pm

Date Received
04/16/2020

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes: BTL-X

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
88-74-4	2-Nitroaniline	ND		ug/kg dry	95.6	191	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 21:03	OW
88-75-5	2-Nitrophenol	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 21:03	OW
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 21:03	OW
91-94-1	3,3-Dichlorobenzidine	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications:	04/21/2020 07:49 NELAC-NY10854,NJDEP,PADEP	04/21/2020 21:03	OW
99-09-2	3-Nitroaniline	ND		ug/kg dry	95.6	191	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 21:03	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	95.6	191	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 21:03	OW
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 21:03	OW
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 21:03	OW
106-47-8	4-Chloroaniline	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 21:03	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 21:03	OW
100-01-6	4-Nitroaniline	ND		ug/kg dry	95.6	191	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 21:03	OW
100-02-7	4-Nitrophenol	ND		ug/kg dry	95.6	191	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 21:03	OW
83-32-9	Acenaphthene	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 21:03	OW
208-96-8	Acenaphthylene	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 21:03	OW
98-86-2	Acetophenone	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications:	04/21/2020 07:49 NELAC-NY10854,NJDEP,PADEP	04/21/2020 21:03	OW
62-53-3	Aniline	ND		ug/kg dry	192	383	2	EPA 8270D Certifications:	04/21/2020 07:49 NELAC-NY10854,NJDEP,PADEP	04/21/2020 21:03	OW
120-12-7	Anthracene	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 21:03	OW
1912-24-9	Atrazine	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications:	04/21/2020 07:49 NELAC-NY10854,NJDEP,PADEP	04/21/2020 21:03	OW
100-52-7	Benzaldehyde	ND	CCV-L	ug/kg dry	47.9	95.6	2	EPA 8270D Certifications:	04/21/2020 07:49 NELAC-NY10854,NJDEP,PADEP	04/21/2020 21:03	OW
92-87-5	Benzidine	ND		ug/kg dry	192	383	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,PADEP	04/21/2020 21:03	OW
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 21:03	OW
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 21:03	OW
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 21:03	OW



Sample Information

Client Sample ID: SB-4@4'-5'

York Sample ID: 20D0471-08

York Project (SDG) No.
20D0471

Client Project ID
190740 659 E. 222 St

Matrix
Soil

Collection Date/Time
April 15, 2020 12:10 pm

Date Received
04/16/2020

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes: BTL-X

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 21:03	OW
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 21:03	OW
65-85-0	Benzoic acid	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 21:03	OW
100-51-6	Benzyl alcohol	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 21:03	OW
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 21:03	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 21:03	OW
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 21:03	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 21:03	OW
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 21:03	OW
105-60-2	Caprolactam	ND		ug/kg dry	95.6	191	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 21:03	OW
86-74-8	Carbazole	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 21:03	OW
218-01-9	Chrysene	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 21:03	OW
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 21:03	OW
132-64-9	Dibenzofuran	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 21:03	OW
84-66-2	Diethyl phthalate	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 21:03	OW
131-11-3	Dimethyl phthalate	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 21:03	OW
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 21:03	OW
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 21:03	OW
206-44-0	Fluoranthene	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 21:03	OW
86-73-7	Fluorene	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 21:03	OW
118-74-1	Hexachlorobenzene	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 21:03	OW
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 21:03	OW
77-47-4	Hexachlorocyclopentadiene	ND	CCV-L	ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 21:03	OW



Sample Information

Client Sample ID: SB-4@4'-5'

York Sample ID: 20D0471-08

York Project (SDG) No.
20D0471

Client Project ID
190740 659 E. 222 St

Matrix
Soil

Collection Date/Time
April 15, 2020 12:10 pm

Date Received
04/16/2020

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes: BTL-X

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-72-1	Hexachloroethane	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 21:03	OW
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 21:03	OW
78-59-1	Isophorone	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 21:03	OW
91-20-3	Naphthalene	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 21:03	OW
98-95-3	Nitrobenzene	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 21:03	OW
62-75-9	N-Nitrosodimethylamine	ND	CCV-L	ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 21:03	OW
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 21:03	OW
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 21:03	OW
87-86-5	Pentachlorophenol	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 21:03	OW
85-01-8	Phenanthrene	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 21:03	OW
108-95-2	Phenol	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 21:03	OW
129-00-0	Pyrene	ND		ug/kg dry	47.9	95.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 21:03	OW
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	64.6 %	20-108								
4165-62-2	Surrogate: SURR: Phenol-d5	70.1 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	73.1 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	62.8 %	21-113								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	98.5 %	19-110								
1718-51-0	Surrogate: SURR: Terphenyl-d14	111 %	24-116								

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		ug/kg dry	1.91	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:40	04/22/2020 09:40	CM
72-55-9	4,4'-DDE	ND		ug/kg dry	1.91	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:40	04/22/2020 09:40	CM
50-29-3	4,4'-DDT	ND		ug/kg dry	1.91	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:40	04/22/2020 09:40	CM
309-00-2	Aldrin	ND		ug/kg dry	1.91	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:40	04/22/2020 09:40	CM



Sample Information

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20D0471

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190740 659 E. 222 St

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Soil

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April 15, 2020 12:10 pm

Date Received
04/16/2020

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
319-84-6	alpha-BHC	ND		ug/kg dry	1.91	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:40	04/22/2020 09:40	CM
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.91	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	04/20/2020 07:40	04/22/2020 09:40	CM
319-85-7	beta-BHC	ND		ug/kg dry	1.91	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:40	04/22/2020 09:40	CM
57-74-9	Chlordane, total	ND		ug/kg dry	38.2	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:40	04/22/2020 09:40	CM
319-86-8	delta-BHC	ND		ug/kg dry	1.91	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:40	04/22/2020 09:40	CM
60-57-1	Dieldrin	ND		ug/kg dry	1.91	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:40	04/22/2020 09:40	CM
959-98-8	Endosulfan I	ND		ug/kg dry	1.91	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:40	04/22/2020 09:40	CM
33213-65-9	Endosulfan II	ND		ug/kg dry	1.91	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	04/20/2020 07:40	04/22/2020 09:40	CM
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.91	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:40	04/22/2020 09:40	CM
72-20-8	Endrin	ND		ug/kg dry	1.91	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:40	04/22/2020 09:40	CM
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.91	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:40	04/22/2020 09:40	CM
53494-70-5	Endrin ketone	ND		ug/kg dry	1.91	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:40	04/22/2020 09:40	CM
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.91	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:40	04/22/2020 09:40	CM
5566-34-7	gamma-Chlordane	ND		ug/kg dry	1.91	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	04/20/2020 07:40	04/22/2020 09:40	CM
76-44-8	Heptachlor	ND		ug/kg dry	1.91	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:40	04/22/2020 09:40	CM
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.91	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:40	04/22/2020 09:40	CM
72-43-5	Methoxychlor	ND		ug/kg dry	9.56	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:40	04/22/2020 09:40	CM
8001-35-2	Toxaphene	ND		ug/kg dry	96.7	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:40	04/22/2020 09:40	CM
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	76.0 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	83.6 %	30-150							

Polychlorinated Biphenyls (PCB)

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
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Sample Information

Client Sample ID: SB-4@4'-5'

York Sample ID: 20D0471-08

York Project (SDG) No.
20D0471

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190740 659 E. 222 St

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Polychlorinated Biphenyls (PCB)

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	0.0193	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/20/2020 07:40	04/20/2020 22:25	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0193	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/20/2020 07:40	04/20/2020 22:25	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0193	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/20/2020 07:40	04/20/2020 22:25	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0193	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/20/2020 07:40	04/20/2020 22:25	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0193	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/20/2020 07:40	04/20/2020 22:25	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0193	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/20/2020 07:40	04/20/2020 22:25	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0193	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/20/2020 07:40	04/20/2020 22:25	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0193	1	EPA 8082A Certifications:	04/20/2020 07:40	04/20/2020 22:25	BJ
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	74.0 %	30-140							
2051-24-3	Surrogate: Decachlorobiphenyl	70.0 %	30-140							

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	5.81	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:51	KML
7440-36-0	Antimony	ND		mg/kg dry	2.91	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:51	KML
7440-38-2	Arsenic	1.91		mg/kg dry	1.74	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:51	KML
7440-39-3	Barium	64.3		mg/kg dry	2.91	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:51	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.058	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:51	KML
7440-43-9	Cadmium	ND		mg/kg dry	0.349	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:51	KML
7440-70-2	Calcium	1990		mg/kg dry	5.81	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:51	KML
7440-47-3	Chromium	29.5		mg/kg dry	0.581	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:51	KML
7440-48-4	Cobalt	10.1		mg/kg dry	0.465	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:51	KML



Sample Information

Client Sample ID: SB-4@4'-5'

York Sample ID: 20D0471-08

York Project (SDG) No.
20D0471

Client Project ID
190740 659 E. 222 St

Matrix
Soil

Collection Date/Time
April 15, 2020 12:10 pm

Date Received
04/16/2020

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
7440-50-8	Copper	19.5		mg/kg dry	2.32	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:51	KML
7439-89-6	Iron	18800		mg/kg dry	29.1	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:51	KML
7439-92-1	Lead	3.76		mg/kg dry	0.581	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:51	KML
7439-95-4	Magnesium	3960		mg/kg dry	5.81	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:51	KML
7439-96-5	Manganese	348		mg/kg dry	0.581	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:51	KML
7440-02-0	Nickel	22.7		mg/kg dry	1.16	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:51	KML
7440-09-7	Potassium	2320		mg/kg dry	5.81	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:51	KML
7782-49-2	Selenium	ND		mg/kg dry	2.91	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:51	KML
7440-22-4	Silver	ND		mg/kg dry	0.581	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:51	KML
7440-23-5	Sodium	235		mg/kg dry	58.1	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:51	KML
7440-28-0	Thallium	ND		mg/kg dry	2.91	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:51	KML
7440-62-2	Vanadium	32.4		mg/kg dry	1.16	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:51	KML
7440-66-6	Zinc	44.6		mg/kg dry	2.91	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:51	KML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0349	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	04/17/2020 11:06	04/17/2020 14:59	SY

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	86.0		%	0.100	1	SM 2540G Certifications: CTDOH	04/17/2020 07:51	04/17/2020 11:26	JAG



Sample Information

Client Sample ID: SB-Duplicate

York Sample ID: 20D0471-09

York Project (SDG) No.
20D0471

Client Project ID
190740 659 E. 222 St

Matrix
Soil

Collection Date/Time
April 15, 2020 10:40 am

Date Received
04/16/2020

Volatile Organics, 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		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:56	AB
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:56	AB
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:56	AB
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/17/2020 09:30	04/17/2020 19:56	AB
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:56	AB
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:56	AB
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:56	AB
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:56	AB
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	04/17/2020 09:30	04/17/2020 19:56	AB
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:56	AB
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:56	AB
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.8	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:56	AB
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:56	AB
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:56	AB
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:56	AB
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:56	AB
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:56	AB
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:56	AB
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:56	AB
123-91-1	1,4-Dioxane	ND		ug/kg dry	56	110	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:56	AB
78-93-3	2-Butanone	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:56	AB
591-78-6	2-Hexanone	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:56	AB
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:56	AB



Sample Information

Client Sample ID: SB-Duplicate

York Sample ID: 20D0471-09

York Project (SDG) No.
20D0471

Client Project ID
190740 659 E. 222 St

Matrix
Soil

Collection Date/Time
April 15, 2020 10:40 am

Date Received
04/16/2020

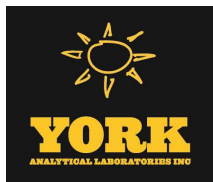
Volatile Organics, 8260 - Comprehensive

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
67-64-1	Acetone	ND		ug/kg dry	5.6	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:56	AB
107-02-8	Acrolein	ND		ug/kg dry	5.6	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:56	AB
107-13-1	Acrylonitrile	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:56	AB
71-43-2	Benzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:56	AB
74-97-5	Bromochloromethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:56	AB
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:56	AB
75-25-2	Bromoform	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:56	AB
74-83-9	Bromomethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:56	AB
75-15-0	Carbon disulfide	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:56	AB
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:56	AB
108-90-7	Chlorobenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:56	AB
75-00-3	Chloroethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:56	AB
67-66-3	Chloroform	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:56	AB
74-87-3	Chloromethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:56	AB
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:56	AB
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:56	AB
110-82-7	Cyclohexane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:56	AB
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:56	AB
74-95-3	Dibromomethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:56	AB
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:56	AB
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:56	AB
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:56	AB
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:56	AB



Sample Information

Client Sample ID: SB-Duplicate

York Sample ID: 20D0471-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20D0471

190740 659 E. 222 St

Soil

April 15, 2020 10:40 am

04/16/2020

Volatile Organics, 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
79-20-9	Methyl acetate	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:56	AB
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.8	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:56	AB
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:56	AB
75-09-2	Methylene chloride	ND		ug/kg dry	5.6	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:56	AB
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:56	AB
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:56	AB
95-47-6	o-Xylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:56	AB
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.6	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:56	AB
99-87-6	p-Isopropyltoluene	3.9	J, B	ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:56	AB
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:56	AB
100-42-5	Styrene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:56	AB
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.8	28	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:56	AB
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:56	AB
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:56	AB
108-88-3	Toluene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:56	AB
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:56	AB
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:56	AB
110-57-6	* trans-1,4-dichloro-2-butene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH	04/17/2020 09:30	04/17/2020 19:56	AB
79-01-6	Trichloroethylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:56	AB
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:56	AB
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.8	5.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/17/2020 09:30	04/17/2020 19:56	AB
1330-20-7	Xylenes, Total	ND		ug/kg dry	8.5	17	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/17/2020 09:30	04/17/2020 19:56	AB
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	92.7 %	77-125								



Sample Information

Client Sample ID: SB-Duplicate

York Sample ID: 20D0471-09

York Project (SDG) No.
20D0471

Client Project ID
190740 659 E. 222 St

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Collection Date/Time
April 15, 2020 10:40 am

Date Received
04/16/2020

Volatile Organics, 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
2037-26-5	Surrogate: SURR: Toluene-d8	103 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	102 %			76-130						

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes: BTL-X

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 21:32	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	86.7	173	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 21:32	OW
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 21:32	OW
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/21/2020 07:49	04/21/2020 21:32	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 21:32	OW
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/21/2020 07:49	04/21/2020 21:32	OW
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/21/2020 07:49	04/21/2020 21:32	OW
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	86.7	173	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 21:32	OW
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 21:32	OW
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 21:32	OW
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 21:32	OW
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 21:32	OW
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	86.7	173	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 21:32	OW
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 21:32	OW
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 21:32	OW
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 21:32	OW
95-57-8	2-Chlorophenol	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 21:32	OW
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 21:32	OW
95-48-7	2-Methylphenol	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 21:32	OW



Sample Information

Client Sample ID: SB-Duplicate

York Sample ID: 20D0471-09

York Project (SDG) No.
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190740 659 E. 222 St

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Collection Date/Time
April 15, 2020 10:40 am

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04/16/2020

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes: BTL-X

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
88-74-4	2-Nitroaniline	ND		ug/kg dry	86.7	173	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 21:32	OW
88-75-5	2-Nitrophenol	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 21:32	OW
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 21:32	OW
91-94-1	3,3-Dichlorobenzidine	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications:	04/21/2020 07:49 NELAC-NY10854,NJDEP,PADEP	04/21/2020 21:32	OW
99-09-2	3-Nitroaniline	ND		ug/kg dry	86.7	173	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 21:32	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	86.7	173	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 21:32	OW
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 21:32	OW
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 21:32	OW
106-47-8	4-Chloroaniline	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 21:32	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 21:32	OW
100-01-6	4-Nitroaniline	ND		ug/kg dry	86.7	173	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 21:32	OW
100-02-7	4-Nitrophenol	ND		ug/kg dry	86.7	173	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 21:32	OW
83-32-9	Acenaphthene	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 21:32	OW
208-96-8	Acenaphthylene	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 21:32	OW
98-86-2	Acetophenone	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications:	04/21/2020 07:49 NELAC-NY10854,NJDEP,PADEP	04/21/2020 21:32	OW
62-53-3	Aniline	ND		ug/kg dry	174	347	2	EPA 8270D Certifications:	04/21/2020 07:49 NELAC-NY10854,NJDEP,PADEP	04/21/2020 21:32	OW
120-12-7	Anthracene	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 21:32	OW
1912-24-9	Atrazine	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications:	04/21/2020 07:49 NELAC-NY10854,NJDEP,PADEP	04/21/2020 21:32	OW
100-52-7	Benzaldehyde	ND	CCV-L	ug/kg dry	43.5	86.7	2	EPA 8270D Certifications:	04/21/2020 07:49 NELAC-NY10854,NJDEP,PADEP	04/21/2020 21:32	OW
92-87-5	Benzidine	ND		ug/kg dry	174	347	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,PADEP	04/21/2020 21:32	OW
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 21:32	OW
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 21:32	OW
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 21:32	OW



Sample Information

Client Sample ID: SB-Duplicate

York Sample ID: 20D0471-09

York Project (SDG) No.
20D0471

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190740 659 E. 222 St

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Collection Date/Time
April 15, 2020 10:40 am

Date Received
04/16/2020

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes: BTL-X

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 21:32	OW
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 21:32	OW
65-85-0	Benzoic acid	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications:	04/21/2020 07:49 NELAC-NY10854,NJDEP,PADEP	04/21/2020 21:32	OW
100-51-6	Benzyl alcohol	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications:	04/21/2020 07:49 NELAC-NY10854,NJDEP,PADEP	04/21/2020 21:32	OW
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 21:32	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 21:32	OW
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 21:32	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 21:32	OW
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 21:32	OW
105-60-2	Caprolactam	ND		ug/kg dry	86.7	173	2	EPA 8270D Certifications:	04/21/2020 07:49 NELAC-NY10854,NJDEP,PADEP	04/21/2020 21:32	OW
86-74-8	Carbazole	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 21:32	OW
218-01-9	Chrysene	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 21:32	OW
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 21:32	OW
132-64-9	Dibenzofuran	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 21:32	OW
84-66-2	Diethyl phthalate	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 21:32	OW
131-11-3	Dimethyl phthalate	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 21:32	OW
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 21:32	OW
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 21:32	OW
206-44-0	Fluoranthene	55.5	J	ug/kg dry	43.5	86.7	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 21:32	OW
86-73-7	Fluorene	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications:	04/21/2020 07:49 NELAC-NY10854,NJDEP,PADEP	04/21/2020 21:32	OW
118-74-1	Hexachlorobenzene	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 21:32	OW
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 21:32	OW
77-47-4	Hexachlorocyclopentadiene	ND	CCV-L	ug/kg dry	43.5	86.7	2	EPA 8270D Certifications:	04/21/2020 07:49 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 21:32	OW



Sample Information

Client Sample ID: SB-Duplicate

York Sample ID: 20D0471-09

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April 15, 2020 10:40 am

Date Received
04/16/2020

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes: BTL-X

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-72-1	Hexachloroethane	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 21:32	OW
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 21:32	OW
78-59-1	Isophorone	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 21:32	OW
91-20-3	Naphthalene	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 21:32	OW
98-95-3	Nitrobenzene	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 21:32	OW
62-75-9	N-Nitrosodimethylamine	ND	CCV-L	ug/kg dry	43.5	86.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 21:32	OW
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 21:32	OW
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 21:32	OW
87-86-5	Pentachlorophenol	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 21:32	OW
85-01-8	Phenanthrene	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 21:32	OW
108-95-2	Phenol	ND		ug/kg dry	43.5	86.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 21:32	OW
129-00-0	Pyrene	61.7	J	ug/kg dry	43.5	86.7	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 07:49	04/21/2020 21:32	OW
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	59.7 %	20-108								
4165-62-2	Surrogate: SURR: Phenol-d5	66.5 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	72.1 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	64.5 %	21-113								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	100 %	19-110								
1718-51-0	Surrogate: SURR: Terphenyl-d14	114 %	24-116								

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		ug/kg dry	1.74	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:40	04/22/2020 09:57	CM
72-55-9	4,4'-DDE	ND		ug/kg dry	1.74	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:40	04/22/2020 09:57	CM
50-29-3	4,4'-DDT	ND		ug/kg dry	1.74	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:40	04/22/2020 09:57	CM
309-00-2	Aldrin	ND		ug/kg dry	1.74	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:40	04/22/2020 09:57	CM



Sample Information

Client Sample ID: SB-Duplicate

York Sample ID: 20D0471-09

York Project (SDG) No.
20D0471

Client Project ID
190740 659 E. 222 St

Matrix
Soil

Collection Date/Time
April 15, 2020 10:40 am

Date Received
04/16/2020

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
319-84-6	alpha-BHC	ND		ug/kg dry	1.74	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:40	04/22/2020 09:57	CM
5103-71-9	alpha-Chlordane	ND		ug/kg dry	1.74	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	04/20/2020 07:40	04/22/2020 09:57	CM
319-85-7	beta-BHC	ND		ug/kg dry	1.74	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:40	04/22/2020 09:57	CM
57-74-9	Chlordane, total	ND		ug/kg dry	34.8	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:40	04/22/2020 09:57	CM
319-86-8	delta-BHC	ND		ug/kg dry	1.74	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:40	04/22/2020 09:57	CM
60-57-1	Dieldrin	ND		ug/kg dry	1.74	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:40	04/22/2020 09:57	CM
959-98-8	Endosulfan I	ND		ug/kg dry	1.74	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:40	04/22/2020 09:57	CM
33213-65-9	Endosulfan II	ND		ug/kg dry	1.74	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	04/20/2020 07:40	04/22/2020 09:57	CM
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.74	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:40	04/22/2020 09:57	CM
72-20-8	Endrin	ND		ug/kg dry	1.74	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:40	04/22/2020 09:57	CM
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.74	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:40	04/22/2020 09:57	CM
53494-70-5	Endrin ketone	ND		ug/kg dry	1.74	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:40	04/22/2020 09:57	CM
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.74	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:40	04/22/2020 09:57	CM
5566-34-7	gamma-Chlordane	ND		ug/kg dry	1.74	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	04/20/2020 07:40	04/22/2020 09:57	CM
76-44-8	Heptachlor	ND		ug/kg dry	1.74	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:40	04/22/2020 09:57	CM
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.74	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:40	04/22/2020 09:57	CM
72-43-5	Methoxychlor	ND		ug/kg dry	8.69	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:40	04/22/2020 09:57	CM
8001-35-2	Toxaphene	ND		ug/kg dry	88.0	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:40	04/22/2020 09:57	CM
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	86.9 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	83.8 %	30-150							

Polychlorinated Biphenyls (PCB)

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
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Sample Information

Client Sample ID: SB-Duplicate

York Sample ID: 20D0471-09

York Project (SDG) No.
20D0471

Client Project ID
190740 659 E. 222 St

Matrix
Soil

Collection Date/Time
April 15, 2020 10:40 am

Date Received
04/16/2020

Polychlorinated Biphenyls (PCB)

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	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/20/2020 07:40	04/20/2020 22:39	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/20/2020 07:40	04/20/2020 22:39	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/20/2020 07:40	04/20/2020 22:39	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/20/2020 07:40	04/20/2020 22:39	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/20/2020 07:40	04/20/2020 22:39	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/20/2020 07:40	04/20/2020 22:39	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/20/2020 07:40	04/20/2020 22:39	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications:	04/20/2020 07:40	04/20/2020 22:39	BJ
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	76.5 %	30-140							
2051-24-3	Surrogate: Decachlorobiphenyl	86.0 %	30-140							

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	4130		mg/kg dry	5.29	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:54	KML
7440-36-0	Antimony	ND		mg/kg dry	2.64	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:54	KML
7440-38-2	Arsenic	ND		mg/kg dry	1.59	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:54	KML
7440-39-3	Barium	18.4		mg/kg dry	2.64	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:54	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.053	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:54	KML
7440-43-9	Cadmium	ND		mg/kg dry	0.317	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:54	KML
7440-70-2	Calcium	992		mg/kg dry	5.29	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:54	KML
7440-47-3	Chromium	10.2		mg/kg dry	0.529	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:54	KML
7440-48-4	Cobalt	3.69		mg/kg dry	0.423	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:54	KML



Sample Information

Client Sample ID: SB-Duplicate

York Sample ID: 20D0471-09

York Project (SDG) No.
20D0471

Client Project ID
190740 659 E. 222 St

Matrix
Soil

Collection Date/Time
April 15, 2020 10:40 am

Date Received
04/16/2020

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
7440-50-8	Copper	9.06		mg/kg dry	2.11	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:54	KML
7439-89-6	Iron	6890		mg/kg dry	26.4	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:54	KML
7439-92-1	Lead	28.3		mg/kg dry	0.529	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:54	KML
7439-95-4	Magnesium	1590		mg/kg dry	5.29	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:54	KML
7439-96-5	Manganese	148		mg/kg dry	0.529	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:54	KML
7440-02-0	Nickel	8.75		mg/kg dry	1.06	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:54	KML
7440-09-7	Potassium	614		mg/kg dry	5.29	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:54	KML
7782-49-2	Selenium	ND		mg/kg dry	2.64	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:54	KML
7440-22-4	Silver	ND		mg/kg dry	0.529	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:54	KML
7440-23-5	Sodium	77.9		mg/kg dry	52.9	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:54	KML
7440-28-0	Thallium	ND		mg/kg dry	2.64	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:54	KML
7440-62-2	Vanadium	11.4		mg/kg dry	1.06	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:54	KML
7440-66-6	Zinc	19.1		mg/kg dry	2.64	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 09:39	04/20/2020 13:54	KML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0317	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	04/17/2020 11:06	04/17/2020 15:08	SY

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	94.6		%	0.100	1	SM 2540G Certifications: CTDOH	04/17/2020 07:51	04/17/2020 11:26	JAG



Sample Information

Client Sample ID: GW-1

York Sample ID: 20D0471-11

York Project (SDG) No.
20D0471

Client Project ID
190740 659 E. 222 St

Matrix
Water

Collection Date/Time
April 15, 2020 1:50 pm

Date Received
04/16/2020

Volatile Organics, 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	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:17	AB
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:17	AB
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:17	AB
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:17	AB
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:17	AB
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:17	AB
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:17	AB
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:17	AB
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:17	AB
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:17	AB
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:17	AB
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:17	AB
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:17	AB
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:17	AB
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:17	AB
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:17	AB
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:17	AB
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:17	AB
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:17	AB
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:17	AB
78-93-3	2-Butanone	2.1		ug/L	0.20	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:17	AB
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:17	AB
108-10-1	4-Methyl-2-pentanone	0.22	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:17	AB



Sample Information

Client Sample ID: GW-1

York Sample ID: 20D0471-11

York Project (SDG) No.
20D0471

Client Project ID
190740 659 E. 222 St

Matrix
Water

Collection Date/Time
April 15, 2020 1:50 pm

Date Received
04/16/2020

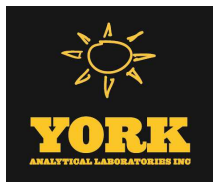
Volatile Organics, 8260 - Comprehensive

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
67-64-1	Acetone	7.9		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:17	AB
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:17	AB
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:17	AB
71-43-2	Benzene	0.22	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:17	AB
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:17	AB
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:17	AB
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:17	AB
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:17	AB
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:17	AB
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:17	AB
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:17	AB
75-00-3	Chloroethane	0.36	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:17	AB
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:17	AB
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:17	AB
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:17	AB
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:17	AB
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:17	AB
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:17	AB
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:17	AB
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:17	AB
100-41-4	Ethyl Benzene	0.36	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:17	AB
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:17	AB
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:17	AB



Sample Information

Client Sample ID: GW-1

York Sample ID: 20D0471-11

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20D0471

190740 659 E. 222 St

Water

April 15, 2020 1:50 pm

04/16/2020

Volatile Organics, 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
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:17	AB
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:17	AB
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:17	AB
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:17	AB
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:17	AB
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:17	AB
95-47-6	o-Xylene	0.60		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	04/23/2020 09:30	04/24/2020 04:17	AB
179601-23-1	p- & m- Xylenes	1.6		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	04/23/2020 09:30	04/24/2020 04:17	AB
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:17	AB
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:17	AB
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:17	AB
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	2.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:17	AB
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:17	AB
127-18-4	Tetrachloroethylene	0.36	J, CCV-E	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:17	AB
108-88-3	Toluene	0.32	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:17	AB
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:17	AB
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:17	AB
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/23/2020 09:30	04/24/2020 04:17	AB
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:17	AB
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:17	AB
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:17	AB
1330-20-7	Xylenes, Total	2.2		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/23/2020 09:30	04/24/2020 04:17	AB

Surrogate Recoveries

Result

Acceptance Range



Sample Information

Client Sample ID: GW-1

York Sample ID: 20D0471-11

York Project (SDG) No.
20D0471

Client Project ID
190740 659 E. 222 St

Matrix
Water

Collection Date/Time
April 15, 2020 1:50 pm

Date Received
04/16/2020

Volatile Organics, 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
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	97.5 %			69-130						
2037-26-5	Surrogate: SURR: Toluene-d8	100 %			81-117						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	102 %			79-122						

Semi-Volatiles, 8270 - Comprehensive - LL

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	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 16:03	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 16:03	OW
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 16:03	OW
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/20/2020 07:52	04/21/2020 16:03	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 16:03	OW
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/20/2020 07:52	04/21/2020 16:03	OW
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/20/2020 07:52	04/21/2020 16:03	OW
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 16:03	OW
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 16:03	OW
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 16:03	OW
120-83-2	2,4-Dichlorophenol	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 16:03	OW
105-67-9	2,4-Dimethylphenol	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 16:03	OW
51-28-5	2,4-Dinitrophenol	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 16:03	OW
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 16:03	OW
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 16:03	OW
91-58-7	2-Chloronaphthalene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 16:03	OW
95-57-8	2-Chlorophenol	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 16:03	OW
91-57-6	2-Methylnaphthalene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 16:03	OW



Sample Information

Client Sample ID: GW-1

York Sample ID: 20D0471-11

York Project (SDG) No.
20D0471

Client Project ID
190740 659 E. 222 St

Matrix
Water

Collection Date/Time
April 15, 2020 1:50 pm

Date Received
04/16/2020

Semi-Volatiles, 8270 - Comprehensive - LL

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	1.28	1.28	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 16:03	OW
88-74-4	2-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 16:03	OW
88-75-5	2-Nitrophenol	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 16:03	OW
65794-96-9	3- & 4-Methylphenols	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 16:03	OW
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 16:03	OW
99-09-2	3-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 16:03	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 16:03	OW
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 16:03	OW
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 16:03	OW
106-47-8	4-Chloroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 16:03	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 16:03	OW
100-01-6	4-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 16:03	OW
100-02-7	4-Nitrophenol	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 16:03	OW
83-32-9	Acenaphthene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 10:33	OW
208-96-8	Acenaphthylene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 10:33	OW
98-86-2	Acetophenone	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 16:03	OW
62-53-3	Aniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 16:03	OW
120-12-7	Anthracene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 10:33	OW
1912-24-9	Atrazine	ND		ug/L	0.513	0.513	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 10:33	OW
100-52-7	Benzaldehyde	ND	CCV-L	ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 16:03	OW
92-87-5	Benzidine	ND	CCV-L	ug/L	10.3	20.5	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 10:33	OW
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 16:03	OW
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 10:33	OW



Sample Information

Client Sample ID: GW-1

York Sample ID: 20D0471-11

York Project (SDG) No.
20D0471

Client Project ID
190740 659 E. 222 St

Matrix
Water

Collection Date/Time
April 15, 2020 1:50 pm

Date Received
04/16/2020

Semi-Volatiles, 8270 - Comprehensive - LL

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
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications:	04/20/2020 07:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 10:33	OW
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications:	04/20/2020 07:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 10:33	OW
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications:	04/20/2020 07:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 10:33	OW
65-85-0	Benzoic acid	ND		ug/L	25.6	51.3	1	EPA 8270D Certifications:	04/20/2020 07:52 NELAC-NY10854,NJDEP,PADEP	04/21/2020 16:03	OW
100-51-6	Benzyl alcohol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	04/20/2020 07:52 NELAC-NY10854,NJDEP,PADEP	04/21/2020 16:03	OW
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	04/20/2020 07:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 16:03	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	04/20/2020 07:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 16:03	OW
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications:	04/20/2020 07:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 16:03	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	04/20/2020 07:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 16:03	OW
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.513	0.513	1	EPA 8270D Certifications:	04/20/2020 07:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 10:33	OW
105-60-2	Caprolactam	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	04/20/2020 07:52 NELAC-NY10854,NJDEP,PADEP	04/21/2020 16:03	OW
86-74-8	Carbazole	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	04/20/2020 07:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 16:03	OW
218-01-9	Chrysene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications:	04/20/2020 07:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 10:33	OW
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications:	04/20/2020 07:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 10:33	OW
132-64-9	Dibenzofuran	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	04/20/2020 07:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 16:03	OW
84-66-2	Diethyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	04/20/2020 07:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 16:03	OW
131-11-3	Dimethyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	04/20/2020 07:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 16:03	OW
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	04/20/2020 07:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 16:03	OW
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	04/20/2020 07:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 16:03	OW
206-44-0	Fluoranthene	0.0513		ug/L	0.0513	0.0513	1	EPA 8270D Certifications:	04/20/2020 07:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 10:33	OW
86-73-7	Fluorene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications:	04/20/2020 07:52 NELAC-NY10854,NJDEP,PADEP	04/21/2020 10:33	OW
118-74-1	Hexachlorobenzene	ND		ug/L	0.0205	0.0205	1	EPA 8270D Certifications:	04/20/2020 07:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 10:33	OW
87-68-3	Hexachlorobutadiene	ND		ug/L	0.513	0.513	1	EPA 8270D Certifications:	04/20/2020 07:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 10:33	OW



Sample Information

Client Sample ID: GW-1

York Sample ID: 20D0471-11

York Project (SDG) No.
20D0471

Client Project ID
190740 659 E. 222 St

Matrix
Water

Collection Date/Time
April 15, 2020 1:50 pm

Date Received
04/16/2020

Semi-Volatiles, 8270 - Comprehensive - LL

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
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 16:03	OW
67-72-1	Hexachloroethane	ND		ug/L	0.513	0.513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 10:33	OW
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 10:33	OW
78-59-1	Isophorone	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 16:03	OW
91-20-3	Naphthalene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 10:33	OW
98-95-3	Nitrobenzene	ND		ug/L	0.256	0.256	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 10:33	OW
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.513	0.513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 10:33	OW
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 16:03	OW
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 16:03	OW
87-86-5	Pentachlorophenol	ND		ug/L	0.256	0.256	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 10:33	OW
85-01-8	Phenanthrene	0.103		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 10:33	OW
108-95-2	Phenol	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 16:03	OW
129-00-0	Pyrene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 10:33	OW
110-86-1	Pyridine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 16:03	OW
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	31.4 %	19.7-63.1								
4165-62-2	Surrogate: SURR: Phenol-d5	18.2 %	10.1-41.7								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	74.0 %	50.2-113								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	60.5 %	39.9-105								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	72.9 %	39.3-151								
1718-51-0	Surrogate: SURR: Terphenyl-d14	65.2 %	30.7-106								

Pesticides, 8081 target list

Log-in Notes:

Sample Notes: EXT-D, EXT-EM

Sample Prepared by Method: EPA SW846-3510C Low Level

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		ug/L	0.0216	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:01	04/22/2020 07:25	CM
72-55-9	4,4'-DDE	ND		ug/L	0.0216	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:01	04/22/2020 07:25	CM



Sample Information

Client Sample ID: GW-1

York Sample ID: 20D0471-11

York Project (SDG) No.
20D0471

Client Project ID
190740 659 E. 222 St

Matrix
Water

Collection Date/Time
April 15, 2020 1:50 pm

Date Received
04/16/2020

Pesticides, 8081 target list

Log-in Notes:

Sample Notes: EXT-D, EXT-EM

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-29-3	4,4'-DDT	0.0513		ug/L	0.0216	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:01	04/22/2020 07:25	CM
309-00-2	Aldrin	ND		ug/L	0.0216	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:01	04/22/2020 07:25	CM
319-84-6	alpha-BHC	ND		ug/L	0.0216	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:01	04/22/2020 07:25	CM
5103-71-9	alpha-Chlordane	ND		ug/L	0.0216	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:01	04/22/2020 07:25	CM
319-85-7	beta-BHC	ND		ug/L	0.0216	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:01	04/22/2020 07:25	CM
57-74-9	Chlordane, total	ND		ug/L	0.108	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:01	04/22/2020 07:25	CM
319-86-8	delta-BHC	ND		ug/L	0.0216	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:01	04/22/2020 07:25	CM
60-57-1	Dieldrin	ND		ug/L	0.0108	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:01	04/22/2020 07:25	CM
959-98-8	Endosulfan I	ND		ug/L	0.0216	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:01	04/22/2020 07:25	CM
33213-65-9	Endosulfan II	ND		ug/L	0.0216	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:01	04/22/2020 07:25	CM
1031-07-8	Endosulfan sulfate	ND		ug/L	0.0216	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:01	04/22/2020 07:25	CM
72-20-8	Endrin	ND		ug/L	0.0216	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:01	04/22/2020 07:25	CM
7421-93-4	Endrin aldehyde	ND		ug/L	0.0541	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:01	04/22/2020 07:25	CM
53494-70-5	Endrin ketone	ND		ug/L	0.0541	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:01	04/22/2020 07:25	CM
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.0216	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:01	04/22/2020 07:25	CM
5566-34-7	gamma-Chlordane	ND		ug/L	0.0541	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:01	04/22/2020 07:25	CM
76-44-8	Heptachlor	ND		ug/L	0.0216	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:01	04/22/2020 07:25	CM
1024-57-3	Heptachlor epoxide	ND		ug/L	0.0216	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:01	04/22/2020 07:25	CM
72-43-5	Methoxychlor	ND		ug/L	0.0216	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:01	04/22/2020 07:25	CM
8001-35-2	Toxaphene	ND		ug/L	0.541	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:01	04/22/2020 07:25	CM
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	103 %			30-150					
877-09-8	Surrogate: Tetrachloro-m-xylene	190 %	S-GC		30-150					

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes: EXT-D, EXT-EM



Sample Information

Client Sample ID: GW-1

York Sample ID: 20D0471-11

York Project (SDG) No.
20D0471

Client Project ID
190740 659 E. 222 St

Matrix
Water

Collection Date/Time
April 15, 2020 1:50 pm

Date Received
04/16/2020

Sample Prepared by Method: EPA SW846-3510C Low Level

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		ug/L	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/17/2020 14:01	04/21/2020 17:26	BJ
11104-28-2	Aroclor 1221	ND		ug/L	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/17/2020 14:01	04/21/2020 17:26	BJ
11141-16-5	Aroclor 1232	ND		ug/L	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/17/2020 14:01	04/21/2020 17:26	BJ
53469-21-9	Aroclor 1242	ND		ug/L	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/17/2020 14:01	04/21/2020 17:26	BJ
12672-29-6	Aroclor 1248	ND		ug/L	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/17/2020 14:01	04/21/2020 17:26	BJ
11097-69-1	Aroclor 1254	ND		ug/L	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/17/2020 14:01	04/21/2020 17:26	BJ
11096-82-5	Aroclor 1260	ND		ug/L	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/17/2020 14:01	04/21/2020 17:26	BJ
1336-36-3	* Total PCBs	ND		ug/L	0.0541	1	EPA 8082A Certifications:	04/17/2020 14:01	04/21/2020 17:26	BJ
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	45.5 %								
2051-24-3	Surrogate: Decachlorobiphenyl	21.0 %	S-GC							

Metals, TAL, ICPMS

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	9120	B	ug/L	111	10	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 12:42	04/23/2020 17:06	BML
7440-36-0	Antimony	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 12:42	04/20/2020 21:34	BML
7440-38-2	Arsenic	5.93		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 12:42	04/20/2020 21:34	BML
7440-39-3	Barium	123		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 12:42	04/20/2020 21:34	BML
7440-41-7	Beryllium	ND		ug/L	0.333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 12:42	04/20/2020 21:34	BML
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 12:42	04/20/2020 21:34	BML
7440-47-3	Chromium	21.7		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 12:42	04/20/2020 21:34	BML
7440-48-4	Cobalt	5.96		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 12:42	04/20/2020 21:34	BML
7440-50-8	Copper	48.8		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 12:42	04/20/2020 21:34	BML
7439-89-6	* Iron	9720		ug/L	11.1	1	EPA 6020B Certifications: CTDOH	04/17/2020 12:42	04/20/2020 21:34	BML



Sample Information

Client Sample ID: GW-1

York Sample ID: 20D0471-11

York Project (SDG) No.
20D0471

Client Project ID
190740 659 E. 222 St

Matrix
Water

Collection Date/Time
April 15, 2020 1:50 pm

Date Received
04/16/2020

Metals, TAL, ICPMS

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	7.57		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 12:42	04/20/2020 21:34	BML
7439-96-5	Manganese	753		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 12:42	04/20/2020 21:34	BML
7440-02-0	Nickel	22.8		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 12:42	04/20/2020 21:34	BML
7782-49-2	Selenium	1.98		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 12:42	04/20/2020 21:34	BML
7440-22-4	Silver	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 12:42	04/20/2020 21:34	BML
7440-28-0	Thallium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 12:42	04/20/2020 21:34	BML
7440-62-2	Vanadium	26.7		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 12:42	04/20/2020 21:34	BML
7440-66-6	Zinc	51.1		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 12:42	04/20/2020 21:34	BML

Metals, TAL, ICPMS Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	691		ug/L	11.1	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/22/2020 13:18	04/23/2020 17:32	BML
7440-36-0	Antimony	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/22/2020 13:18	04/23/2020 17:32	BML
7440-38-2	Arsenic	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/22/2020 13:18	04/23/2020 17:32	BML
7440-39-3	Barium	14.5		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/22/2020 13:18	04/23/2020 17:32	BML
7440-41-7	Beryllium	ND		ug/L	0.333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/22/2020 13:18	04/23/2020 17:32	BML
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/22/2020 13:18	04/23/2020 17:32	BML
7440-47-3	Chromium	2.81		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/22/2020 13:18	04/23/2020 17:32	BML
7440-48-4	Cobalt	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/22/2020 13:18	04/23/2020 17:32	BML
7440-50-8	Copper	5.33		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/22/2020 13:18	04/23/2020 17:32	BML
7439-89-6	* Iron	2160		ug/L	11.1	1	EPA 6020B Certifications: CTDOH	04/22/2020 13:18	04/23/2020 17:32	BML
7439-92-1	Lead	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/22/2020 13:18	04/23/2020 17:32	BML
7439-96-5	Manganese	144		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/22/2020 13:18	04/23/2020 17:32	BML



Sample Information

Client Sample ID: GW-1

York Sample ID: 20D0471-11

York Project (SDG) No.
20D0471

Client Project ID
190740 659 E. 222 St

Matrix
Water

Collection Date/Time
April 15, 2020 1:50 pm

Date Received
04/16/2020

Metals, TAL, ICPMS Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	Nickel	3.06		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/22/2020 13:18	04/23/2020 17:32	BML
7782-49-2	Selenium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/22/2020 13:18	04/23/2020 17:32	BML
7440-22-4	Silver	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/22/2020 13:18	04/23/2020 17:32	BML
7440-28-0	Thallium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/22/2020 13:18	04/23/2020 17:32	BML
7440-62-2	Vanadium	2.28		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/22/2020 13:18	04/23/2020 17:32	BML
7440-66-6	Zinc	26.7	B	ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/22/2020 13:18	04/23/2020 17:32	BML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00020	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:46	04/17/2020 17:29	SY

Mercury by 7473, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.0003341		mg/L	0.0002000	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 10:07	04/20/2020 12:15	SY

Sample Information

Client Sample ID: GW-2

York Sample ID: 20D0471-12

York Project (SDG) No.
20D0471

Client Project ID
190740 659 E. 222 St

Matrix
Water

Collection Date/Time
April 15, 2020 2:15 pm

Date Received
04/16/2020

Volatile Organics, 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	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:46	AB
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:46	AB



Sample Information

Client Sample ID: GW-2

York Sample ID: 20D0471-12

York Project (SDG) No.
20D0471

Client Project ID
190740 659 E. 222 St

Matrix
Water

Collection Date/Time
April 15, 2020 2:15 pm

Date Received
04/16/2020

Volatile Organics, 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
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:46	AB
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:46	AB
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:46	AB
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:46	AB
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:46	AB
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:46	AB
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:46	AB
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:46	AB
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:46	AB
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:46	AB
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:46	AB
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:46	AB
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:46	AB
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:46	AB
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:46	AB
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:46	AB
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:46	AB
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:46	AB
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:46	AB
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:46	AB
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:46	AB
67-64-1	Acetone	1.4	J	ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:46	AB
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:46	AB



Sample Information

Client Sample ID: GW-2

York Sample ID: 20D0471-12

York Project (SDG) No.
20D0471

Client Project ID
190740 659 E. 222 St

Matrix
Water

Collection Date/Time
April 15, 2020 2:15 pm

Date Received
04/16/2020

Volatile Organics, 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
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:46	AB
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:46	AB
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:46	AB
75-27-4	Bromodichloromethane	2.2		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:46	AB
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:46	AB
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:46	AB
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:46	AB
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:46	AB
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:46	AB
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:46	AB
67-66-3	Chloroform	23		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:46	AB
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:46	AB
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:46	AB
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:46	AB
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:46	AB
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:46	AB
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:46	AB
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:46	AB
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:46	AB
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:46	AB
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:46	AB
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:46	AB
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:46	AB



Sample Information

Client Sample ID: GW-2

York Sample ID: 20D0471-12

York Project (SDG) No.
20D0471

Client Project ID
190740 659 E. 222 St

Matrix
Water

Collection Date/Time
April 15, 2020 2:15 pm

Date Received
04/16/2020

Volatile Organics, 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
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:46	AB
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:46	AB
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:46	AB
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:46	AB
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:46	AB
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:46	AB
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:46	AB
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:46	AB
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:46	AB
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	2.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:46	AB
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:46	AB
127-18-4	Tetrachloroethylene	0.37	J, CCV-E	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:46	AB
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:46	AB
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:46	AB
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:46	AB
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/23/2020 09:30	04/24/2020 04:46	AB
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:46	AB
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:46	AB
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 04:46	AB
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/23/2020 09:30	04/24/2020 04:46	AB
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	96.7 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	99.7 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	101 %	79-122								



Sample Information

Client Sample ID: GW-2

York Sample ID: 20D0471-12

York Project (SDG) No.
20D0471

Client Project ID
190740 659 E. 222 St

Matrix
Water

Collection Date/Time
April 15, 2020 2:15 pm

Date Received
04/16/2020

Semi-Volatiles, 8270 - Comprehensive - LL

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	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 16:36	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 16:36	OW
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 16:36	OW
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/20/2020 07:52	04/21/2020 16:36	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 16:36	OW
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/20/2020 07:52	04/21/2020 16:36	OW
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/20/2020 07:52	04/21/2020 16:36	OW
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 16:36	OW
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 16:36	OW
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 16:36	OW
120-83-2	2,4-Dichlorophenol	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 16:36	OW
105-67-9	2,4-Dimethylphenol	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 16:36	OW
51-28-5	2,4-Dinitrophenol	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 16:36	OW
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 16:36	OW
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 16:36	OW
91-58-7	2-Chloronaphthalene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 16:36	OW
95-57-8	2-Chlorophenol	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 16:36	OW
91-57-6	2-Methylnaphthalene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 16:36	OW
95-48-7	2-Methylphenol	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 16:36	OW
88-74-4	2-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 16:36	OW
88-75-5	2-Nitrophenol	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 16:36	OW
65794-96-9	3- & 4-Methylphenols	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 16:36	OW
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 16:36	OW



Sample Information

Client Sample ID: GW-2

York Sample ID: 20D0471-12

York Project (SDG) No.
20D0471

Client Project ID
190740 659 E. 222 St

Matrix
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April 15, 2020 2:15 pm

Date Received
04/16/2020

Semi-Volatiles, 8270 - Comprehensive - LL

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
99-09-2	3-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	04/20/2020 07:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 16:36	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications:	04/20/2020 07:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 16:36	OW
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	04/20/2020 07:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 16:36	OW
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications:	04/20/2020 07:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 16:36	OW
106-47-8	4-Chloroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	04/20/2020 07:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 16:36	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	04/20/2020 07:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 16:36	OW
100-01-6	4-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	04/20/2020 07:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 16:36	OW
100-02-7	4-Nitrophenol	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications:	04/20/2020 07:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 16:36	OW
83-32-9	Acenaphthene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications:	04/20/2020 07:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 11:04	OW
208-96-8	Acenaphthylene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications:	04/20/2020 07:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 11:04	OW
98-86-2	Acetophenone	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	04/20/2020 07:52 NELAC-NY10854,NJDEP,PADEP	04/21/2020 16:36	OW
62-53-3	Aniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	04/20/2020 07:52 NELAC-NY10854,NJDEP,PADEP	04/21/2020 16:36	OW
120-12-7	Anthracene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications:	04/20/2020 07:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 11:04	OW
1912-24-9	Atrazine	ND		ug/L	0.513	0.513	1	EPA 8270D Certifications:	04/20/2020 07:52 NELAC-NY10854,NJDEP,PADEP	04/21/2020 11:04	OW
100-52-7	Benzaldehyde	ND	CCV-L	ug/L	2.56	5.13	1	EPA 8270D Certifications:	04/20/2020 07:52 NELAC-NY10854,NJDEP,PADEP	04/21/2020 16:36	OW
92-87-5	Benzidine	ND	CCV-L	ug/L	10.3	20.5	1	EPA 8270D Certifications:	04/20/2020 07:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 16:36	OW
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications:	04/20/2020 07:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 11:04	OW
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications:	04/20/2020 07:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 11:04	OW
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications:	04/20/2020 07:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 11:04	OW
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications:	04/20/2020 07:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 11:04	OW
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications:	04/20/2020 07:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 11:04	OW
65-85-0	Benzoic acid	ND		ug/L	25.6	51.3	1	EPA 8270D Certifications:	04/20/2020 07:52 NELAC-NY10854,NJDEP,PADEP	04/21/2020 16:36	OW
100-51-6	Benzyl alcohol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	04/20/2020 07:52 NELAC-NY10854,NJDEP,PADEP	04/21/2020 16:36	OW



Sample Information

Client Sample ID: GW-2

York Sample ID: 20D0471-12

York Project (SDG) No.
20D0471

Client Project ID
190740 659 E. 222 St

Matrix
Water

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April 15, 2020 2:15 pm

Date Received
04/16/2020

Semi-Volatiles, 8270 - Comprehensive - LL

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
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 16:36	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 16:36	OW
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 16:36	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 16:36	OW
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.513	0.513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 11:04	OW
105-60-2	Caprolactam	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 16:36	OW
86-74-8	Carbazole	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 16:36	OW
218-01-9	Chrysene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 11:04	OW
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 11:04	OW
132-64-9	Dibenzofuran	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 16:36	OW
84-66-2	Diethyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 16:36	OW
131-11-3	Dimethyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 16:36	OW
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 16:36	OW
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 16:36	OW
206-44-0	Fluoranthene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 11:04	OW
86-73-7	Fluorene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 11:04	OW
118-74-1	Hexachlorobenzene	ND		ug/L	0.0205	0.0205	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 11:04	OW
87-68-3	Hexachlorobutadiene	ND		ug/L	0.513	0.513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 11:04	OW
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 16:36	OW
67-72-1	Hexachloroethane	ND		ug/L	0.513	0.513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 11:04	OW
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 11:04	OW
78-59-1	Isophorone	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 16:36	OW
91-20-3	Naphthalene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 11:04	OW



Sample Information

Client Sample ID: GW-2

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York Project (SDG) No.
20D0471

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190740 659 E. 222 St

Matrix
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April 15, 2020 2:15 pm

Date Received
04/16/2020

Semi-Volatiles, 8270 - Comprehensive - LL

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
98-95-3	Nitrobenzene	ND		ug/L	0.256	0.256	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 11:04	OW
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.513	0.513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 11:04	OW
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 16:36	OW
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 16:36	OW
87-86-5	Pentachlorophenol	ND		ug/L	0.256	0.256	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 11:04	OW
85-01-8	Phenanthrene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 11:04	OW
108-95-2	Phenol	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 16:36	OW
129-00-0	Pyrene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 11:04	OW
110-86-1	Pyridine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 16:36	OW
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	28.5 %	19.7-63.1								
4165-62-2	Surrogate: SURR: Phenol-d5	15.9 %	10.1-41.7								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	56.7 %	50.2-113								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	52.3 %	39.9-105								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	54.6 %	39.3-151								
1718-51-0	Surrogate: SURR: Terphenyl-d14	56.3 %	30.7-106								

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

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		ug/L	0.0205	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:01	04/22/2020 07:42	CM
72-55-9	4,4'-DDE	ND		ug/L	0.0205	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:01	04/22/2020 07:42	CM
50-29-3	4,4'-DDT	0.164		ug/L	0.0205	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:01	04/22/2020 07:42	CM
309-00-2	Aldrin	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:01	04/22/2020 07:42	CM
319-84-6	alpha-BHC	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:01	04/22/2020 07:42	CM
5103-71-9	alpha-Chlordane	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:01	04/22/2020 07:42	CM
319-85-7	beta-BHC	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:01	04/22/2020 07:42	CM



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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

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		ug/L	0.0205	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:01	04/22/2020 07:42	CM
319-86-8	delta-BHC	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:01	04/22/2020 07:42	CM
60-57-1	Dieldrin	ND		ug/L	0.00205	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:01	04/22/2020 07:42	CM
959-98-8	Endosulfan I	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:01	04/22/2020 07:42	CM
33213-65-9	Endosulfan II	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:01	04/22/2020 07:42	CM
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:01	04/22/2020 07:42	CM
72-20-8	Endrin	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:01	04/22/2020 07:42	CM
7421-93-4	Endrin aldehyde	ND		ug/L	0.0103	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:01	04/22/2020 07:42	CM
53494-70-5	Endrin ketone	ND		ug/L	0.0103	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:01	04/22/2020 07:42	CM
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:01	04/22/2020 07:42	CM
5566-34-7	gamma-Chlordane	ND		ug/L	0.0103	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:01	04/22/2020 07:42	CM
76-44-8	Heptachlor	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:01	04/22/2020 07:42	CM
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:01	04/22/2020 07:42	CM
72-43-5	Methoxychlor	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:01	04/22/2020 07:42	CM
8001-35-2	Toxaphene	ND		ug/L	0.103	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:01	04/22/2020 07:42	CM
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	58.0 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	47.2 %	30-150							

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

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		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/17/2020 14:01	04/21/2020 17:40	BJ
11104-28-2	Aroclor 1221	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/17/2020 14:01	04/21/2020 17:40	BJ
11141-16-5	Aroclor 1232	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/17/2020 14:01	04/21/2020 17:40	BJ



Sample Information

Client Sample ID: GW-2

York Sample ID: 20D0471-12

York Project (SDG) No.
20D0471

Client Project ID
190740 659 E. 222 St

Matrix
Water

Collection Date/Time
April 15, 2020 2:15 pm

Date Received
04/16/2020

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
53469-21-9	Aroclor 1242	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/17/2020 14:01	04/21/2020 17:40	BJ
12672-29-6	Aroclor 1248	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/17/2020 14:01	04/21/2020 17:40	BJ
11097-69-1	Aroclor 1254	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/17/2020 14:01	04/21/2020 17:40	BJ
11096-82-5	Aroclor 1260	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/17/2020 14:01	04/21/2020 17:40	BJ
1336-36-3	* Total PCBs	ND		ug/L	0.0513	1	EPA 8082A Certifications:	04/17/2020 14:01	04/21/2020 17:40	BJ
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	50.5 %								
2051-24-3	Surrogate: Decachlorobiphenyl	60.5 %								

Metals, TAL, ICPMS

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	8210	B	ug/L	111	10	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 12:42	04/23/2020 17:11	BML
7440-36-0	Antimony	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 12:42	04/20/2020 21:40	BML
7440-38-2	Arsenic	5.90		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 12:42	04/20/2020 21:40	BML
7440-39-3	Barium	158		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 12:42	04/20/2020 21:40	BML
7440-41-7	Beryllium	ND		ug/L	0.333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 12:42	04/20/2020 21:40	BML
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 12:42	04/20/2020 21:40	BML
7440-47-3	Chromium	33.7		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 12:42	04/20/2020 21:40	BML
7440-48-4	Cobalt	8.08		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 12:42	04/20/2020 21:40	BML
7440-50-8	Copper	26.4		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 12:42	04/20/2020 21:40	BML
7439-89-6	* Iron	8280		ug/L	11.1	1	EPA 6020B Certifications: CTDOH	04/17/2020 12:42	04/20/2020 21:40	BML
7439-92-1	Lead	9.78		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 12:42	04/20/2020 21:40	BML
7439-96-5	Manganese	616		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 12:42	04/20/2020 21:40	BML
7440-02-0	Nickel	21.0		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 12:42	04/20/2020 21:40	BML



Sample Information

Client Sample ID: GW-2

York Sample ID: 20D0471-12

York Project (SDG) No.
20D0471

Client Project ID
190740 659 E. 222 St

Matrix
Water

Collection Date/Time
April 15, 2020 2:15 pm

Date Received
04/16/2020

Metals, TAL, ICPMS

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7782-49-2	Selenium	7.05		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 12:42	04/20/2020 21:40	BML
7440-22-4	Silver	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 12:42	04/20/2020 21:40	BML
7440-28-0	Thallium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 12:42	04/20/2020 21:40	BML
7440-62-2	Vanadium	26.2		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 12:42	04/20/2020 21:40	BML
7440-66-6	Zinc	52.9		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 12:42	04/20/2020 21:40	BML

Metals, TAL, ICPMS Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	607		ug/L	11.1	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/22/2020 13:18	04/23/2020 17:38	BML
7440-36-0	Antimony	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/22/2020 13:18	04/23/2020 17:38	BML
7440-38-2	Arsenic	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/22/2020 13:18	04/23/2020 17:38	BML
7440-39-3	Barium	23.5		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/22/2020 13:18	04/23/2020 17:38	BML
7440-41-7	Beryllium	ND		ug/L	0.333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/22/2020 13:18	04/23/2020 17:38	BML
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/22/2020 13:18	04/23/2020 17:38	BML
7440-47-3	Chromium	2.56		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/22/2020 13:18	04/23/2020 17:38	BML
7440-48-4	Cobalt	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/22/2020 13:18	04/23/2020 17:38	BML
7440-50-8	Copper	3.53		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/22/2020 13:18	04/23/2020 17:38	BML
7439-89-6	* Iron	728		ug/L	11.1	1	EPA 6020B Certifications: CTDOH	04/22/2020 13:18	04/23/2020 17:38	BML
7439-92-1	Lead	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/22/2020 13:18	04/23/2020 17:38	BML
7439-96-5	Manganese	106		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/22/2020 13:18	04/23/2020 17:38	BML
7440-02-0	Nickel	6.85		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/22/2020 13:18	04/23/2020 17:38	BML
7782-49-2	Selenium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/22/2020 13:18	04/23/2020 17:38	BML
7440-22-4	Silver	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/22/2020 13:18	04/23/2020 17:38	BML



Sample Information

Client Sample ID: GW-2

York Sample ID: 20D0471-12

York Project (SDG) No.
20D0471

Client Project ID
190740 659 E. 222 St

Matrix
Water

Collection Date/Time
April 15, 2020 2:15 pm

Date Received
04/16/2020

Metals, TAL, ICPMS Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-28-0	Thallium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/22/2020 13:18	04/23/2020 17:38	BML
7440-62-2	Vanadium	2.77		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/22/2020 13:18	04/23/2020 17:38	BML
7440-66-6	Zinc	13.9	B	ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/22/2020 13:18	04/23/2020 17:38	BML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00020	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:46	04/17/2020 17:39	SY

Mercury by 7473, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002000	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 10:07	04/20/2020 12:23	SY

Sample Information

Client Sample ID: GW-3

York Sample ID: 20D0471-13

York Project (SDG) No.
20D0471

Client Project ID
190740 659 E. 222 St

Matrix
Water

Collection Date/Time
April 15, 2020 2:40 pm

Date Received
04/16/2020

Volatile Organics, 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	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 05:14	AB
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 05:14	AB
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 05:14	AB
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 05:14	AB
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 05:14	AB



Sample Information

Client Sample ID: GW-3

York Sample ID: 20D0471-13

York Project (SDG) No.
20D0471

Client Project ID
190740 659 E. 222 St

Matrix
Water

Collection Date/Time
April 15, 2020 2:40 pm

Date Received
04/16/2020

Volatile Organics, 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
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 05:14	AB
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 05:14	AB
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 05:14	AB
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 05:14	AB
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 05:14	AB
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 05:14	AB
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 05:14	AB
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 05:14	AB
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 05:14	AB
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 05:14	AB
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 05:14	AB
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 05:14	AB
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 05:14	AB
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 05:14	AB
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 05:14	AB
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 05:14	AB
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 05:14	AB
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 05:14	AB
67-64-1	Acetone	1.3	J	ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 05:14	AB
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 05:14	AB
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 05:14	AB
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 05:14	AB
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 05:14	AB



Sample Information

Client Sample ID: GW-3

York Sample ID: 20D0471-13

York Project (SDG) No.
20D0471

Client Project ID
190740 659 E. 222 St

Matrix
Water

Collection Date/Time
April 15, 2020 2:40 pm

Date Received
04/16/2020

Volatile Organics, 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
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 05:14	AB
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 05:14	AB
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 05:14	AB
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 05:14	AB
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 05:14	AB
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 05:14	AB
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 05:14	AB
67-66-3	Chloroform	0.47	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 05:14	AB
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 05:14	AB
156-59-2	cis-1,2-Dichloroethylene	0.22	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 05:14	AB
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 05:14	AB
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 05:14	AB
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 05:14	AB
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 05:14	AB
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 05:14	AB
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 05:14	AB
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 05:14	AB
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 05:14	AB
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 05:14	AB
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 05:14	AB
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 05:14	AB
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 05:14	AB
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 05:14	AB



Sample Information

Client Sample ID: GW-3

York Sample ID: 20D0471-13

York Project (SDG) No.
20D0471

Client Project ID
190740 659 E. 222 St

Matrix
Water

Collection Date/Time
April 15, 2020 2:40 pm

Date Received
04/16/2020

Volatile Organics, 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
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 05:14	AB
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 05:14	AB
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 05:14	AB
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 05:14	AB
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 05:14	AB
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 05:14	AB
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 05:14	AB
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 05:14	AB
127-18-4	Tetrachloroethylene	3.9		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 05:14	AB
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 05:14	AB
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 05:14	AB
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 05:14	AB
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/23/2020 09:30	04/24/2020 05:14	AB
79-01-6	Trichloroethylene	0.38	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 05:14	AB
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 05:14	AB
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/23/2020 09:30	04/24/2020 05:14	AB
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/23/2020 09:30	04/24/2020 05:14	AB
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	98.2 %			69-130						
2037-26-5	Surrogate: SURR: Toluene-d8	99.3 %			81-117						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	101 %			79-122						

Semi-Volatiles, 8270 - Comprehensive - LL

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120 RESEARCH DRIVE		STRATFORD, CT 06615		■		132-02 89th AVENUE		RICHMOND HILL, NY 11418			
www.YORKLAB.com		(203) 325-1371				FAX (203) 357-0166		ClientServices@		Page 118 of 174	



Sample Information

Client Sample ID: GW-3

York Sample ID: 20D0471-13

York Project (SDG) No.
20D0471

Client Project ID
190740 659 E. 222 St

Matrix
Water

Collection Date/Time
April 15, 2020 2:40 pm

Date Received
04/16/2020

Semi-Volatiles, 8270 - Comprehensive - LL

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	04/20/2020 07:52	04/21/2020 17:08	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 17:08	OW
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 17:08	OW
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/20/2020 07:52	04/21/2020 17:08	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 17:08	OW
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/20/2020 07:52	04/21/2020 17:08	OW
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	04/20/2020 07:52	04/21/2020 17:08	OW
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 17:08	OW
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 17:08	OW
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 17:08	OW
120-83-2	2,4-Dichlorophenol	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 17:08	OW
105-67-9	2,4-Dimethylphenol	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 17:08	OW
51-28-5	2,4-Dinitrophenol	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 17:08	OW
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 17:08	OW
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 17:08	OW
91-58-7	2-Chloronaphthalene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 17:08	OW
95-57-8	2-Chlorophenol	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 17:08	OW
91-57-6	2-Methylnaphthalene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 17:08	OW
95-48-7	2-Methylphenol	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 17:08	OW
88-74-4	2-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 17:08	OW
88-75-5	2-Nitrophenol	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 17:08	OW
65794-96-9	3- & 4-Methylphenols	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 17:08	OW
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 17:08	OW



Sample Information

Client Sample ID: GW-3

York Sample ID: 20D0471-13

York Project (SDG) No.
20D0471

Client Project ID
190740 659 E. 222 St

Matrix
Water

Collection Date/Time
April 15, 2020 2:40 pm

Date Received
04/16/2020

Semi-Volatiles, 8270 - Comprehensive - LL

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
99-09-2	3-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	04/20/2020 07:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 17:08	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications:	04/20/2020 07:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 17:08	OW
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	04/20/2020 07:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 17:08	OW
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications:	04/20/2020 07:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 17:08	OW
106-47-8	4-Chloroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	04/20/2020 07:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 17:08	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	04/20/2020 07:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 17:08	OW
100-01-6	4-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	04/20/2020 07:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 17:08	OW
100-02-7	4-Nitrophenol	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications:	04/20/2020 07:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 17:08	OW
83-32-9	Acenaphthene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications:	04/20/2020 07:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 11:36	OW
208-96-8	Acenaphthylene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications:	04/20/2020 07:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 11:36	OW
98-86-2	Acetophenone	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	04/20/2020 07:52 NELAC-NY10854,NJDEP,PADEP	04/21/2020 17:08	OW
62-53-3	Aniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	04/20/2020 07:52 NELAC-NY10854,NJDEP,PADEP	04/21/2020 17:08	OW
120-12-7	Anthracene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications:	04/20/2020 07:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 11:36	OW
1912-24-9	Atrazine	ND		ug/L	0.513	0.513	1	EPA 8270D Certifications:	04/20/2020 07:52 NELAC-NY10854,NJDEP,PADEP	04/21/2020 11:36	OW
100-52-7	Benzaldehyde	ND	CCV-L	ug/L	2.56	5.13	1	EPA 8270D Certifications:	04/20/2020 07:52 NELAC-NY10854,NJDEP,PADEP	04/21/2020 17:08	OW
92-87-5	Benzidine	ND	CCV-L	ug/L	10.3	20.5	1	EPA 8270D Certifications:	04/20/2020 07:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 17:08	OW
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications:	04/20/2020 07:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 11:36	OW
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications:	04/20/2020 07:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 11:36	OW
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications:	04/20/2020 07:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 11:36	OW
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications:	04/20/2020 07:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 11:36	OW
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications:	04/20/2020 07:52 CTDOH,NELAC-NY10854,NJDEP,PADEP	04/21/2020 11:36	OW
65-85-0	Benzoic acid	ND		ug/L	25.6	51.3	1	EPA 8270D Certifications:	04/20/2020 07:52 NELAC-NY10854,NJDEP,PADEP	04/21/2020 17:08	OW
100-51-6	Benzyl alcohol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	04/20/2020 07:52 NELAC-NY10854,NJDEP,PADEP	04/21/2020 17:08	OW



Sample Information

Client Sample ID: GW-3

York Sample ID: 20D0471-13

York Project (SDG) No.
20D0471

Client Project ID
190740 659 E. 222 St

Matrix
Water

Collection Date/Time
April 15, 2020 2:40 pm

Date Received
04/16/2020

Semi-Volatiles, 8270 - Comprehensive - LL

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
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 17:08	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 17:08	OW
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 17:08	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 17:08	OW
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.513	0.513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 11:36	OW
105-60-2	Caprolactam	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 17:08	OW
86-74-8	Carbazole	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 17:08	OW
218-01-9	Chrysene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 11:36	OW
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 11:36	OW
132-64-9	Dibenzofuran	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 17:08	OW
84-66-2	Diethyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 17:08	OW
131-11-3	Dimethyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 17:08	OW
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 17:08	OW
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 17:08	OW
206-44-0	Fluoranthene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 11:36	OW
86-73-7	Fluorene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 11:36	OW
118-74-1	Hexachlorobenzene	ND		ug/L	0.0205	0.0205	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 11:36	OW
87-68-3	Hexachlorobutadiene	ND		ug/L	0.513	0.513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 11:36	OW
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 17:08	OW
67-72-1	Hexachloroethane	ND		ug/L	0.513	0.513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 11:36	OW
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 11:36	OW
78-59-1	Isophorone	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 17:08	OW
91-20-3	Naphthalene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 11:36	OW



Sample Information

Client Sample ID: GW-3

York Sample ID: 20D0471-13

York Project (SDG) No.
20D0471

Client Project ID
190740 659 E. 222 St

Matrix
Water

Collection Date/Time
April 15, 2020 2:40 pm

Date Received
04/16/2020

Semi-Volatiles, 8270 - Comprehensive - LL

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
98-95-3	Nitrobenzene	ND		ug/L	0.256	0.256	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 11:36	OW
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.513	0.513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 11:36	OW
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 17:08	OW
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 17:08	OW
87-86-5	Pentachlorophenol	ND		ug/L	0.256	0.256	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 11:36	OW
85-01-8	Phenanthrene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 11:36	OW
108-95-2	Phenol	ND		ug/L	1.28	1.28	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 17:08	OW
129-00-0	Pyrene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 11:36	OW
110-86-1	Pyridine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 07:52	04/21/2020 17:08	OW
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	38.1 %	19.7-63.1								
4165-62-2	Surrogate: SURR: Phenol-d5	19.5 %	10.1-41.7								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	75.6 %	50.2-113								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	63.4 %	39.9-105								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	71.3 %	39.3-151								
1718-51-0	Surrogate: SURR: Terphenyl-d14	73.8 %	30.7-106								

Pesticides, 8081 target list

Log-in Notes:

Sample Notes: EXT-D, EXT-EM

Sample Prepared by Method: EPA SW846-3510C Low Level

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		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:01	04/22/2020 07:59	CM
72-55-9	4,4'-DDE	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:01	04/22/2020 07:59	CM
50-29-3	4,4'-DDT	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:01	04/22/2020 07:59	CM
309-00-2	Aldrin	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:01	04/22/2020 07:59	CM
319-84-6	alpha-BHC	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:01	04/22/2020 07:59	CM
5103-71-9	alpha-Chlordane	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:01	04/22/2020 07:59	CM
319-85-7	beta-BHC	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:01	04/22/2020 07:59	CM



Sample Information

Client Sample ID: GW-3

York Sample ID: 20D0471-13

York Project (SDG) No.
20D0471

Client Project ID
190740 659 E. 222 St

Matrix
Water

Collection Date/Time
April 15, 2020 2:40 pm

Date Received
04/16/2020

Pesticides, 8081 target list

Log-in Notes:

Sample Notes: EXT-D, EXT-EM

Sample Prepared by Method: EPA SW846-3510C Low Level

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		ug/L	0.0200	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:01	04/22/2020 07:59	CM
319-86-8	delta-BHC	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:01	04/22/2020 07:59	CM
60-57-1	Dieldrin	ND		ug/L	0.00200	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:01	04/22/2020 07:59	CM
959-98-8	Endosulfan I	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:01	04/22/2020 07:59	CM
33213-65-9	Endosulfan II	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:01	04/22/2020 07:59	CM
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:01	04/22/2020 07:59	CM
72-20-8	Endrin	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:01	04/22/2020 07:59	CM
7421-93-4	Endrin aldehyde	ND		ug/L	0.0100	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:01	04/22/2020 07:59	CM
53494-70-5	Endrin ketone	ND		ug/L	0.0100	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:01	04/22/2020 07:59	CM
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:01	04/22/2020 07:59	CM
5566-34-7	gamma-Chlordane	ND		ug/L	0.0100	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:01	04/22/2020 07:59	CM
76-44-8	Heptachlor	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:01	04/22/2020 07:59	CM
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:01	04/22/2020 07:59	CM
72-43-5	Methoxychlor	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:01	04/22/2020 07:59	CM
8001-35-2	Toxaphene	ND		ug/L	0.100	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:01	04/22/2020 07:59	CM
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	28.2 %	S-GC	30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	66.7 %		30-150						

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes: EXT-D, EXT-EM

Sample Prepared by Method: EPA SW846-3510C Low Level

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		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/17/2020 14:01	04/21/2020 17:54	BJ
11104-28-2	Aroclor 1221	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/17/2020 14:01	04/21/2020 17:54	BJ
11141-16-5	Aroclor 1232	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/17/2020 14:01	04/21/2020 17:54	BJ



Sample Information

Client Sample ID: GW-3

York Sample ID: 20D0471-13

York Project (SDG) No.
20D0471

Client Project ID
190740 659 E. 222 St

Matrix
Water

Collection Date/Time
April 15, 2020 2:40 pm

Date Received
04/16/2020

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes: EXT-D, EXT-EM

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
53469-21-9	Aroclor 1242	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/17/2020 14:01	04/21/2020 17:54	BJ
12672-29-6	Aroclor 1248	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/17/2020 14:01	04/21/2020 17:54	BJ
11097-69-1	Aroclor 1254	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/17/2020 14:01	04/21/2020 17:54	BJ
11096-82-5	Aroclor 1260	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	04/17/2020 14:01	04/21/2020 17:54	BJ
1336-36-3	* Total PCBs	ND		ug/L	0.0500	1	EPA 8082A Certifications:	04/17/2020 14:01	04/21/2020 17:54	BJ
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	71.5 %		30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	35.5 %		30-120						

Metals, TAL, ICPMS

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	14900	B	ug/L	1110	100	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 12:42	04/24/2020 14:17	BML
7440-36-0	Antimony	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 12:42	04/20/2020 21:45	BML
7440-38-2	Arsenic	12.3		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 12:42	04/20/2020 21:45	BML
7440-39-3	Barium	1760		ug/L	111	100	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 12:42	04/24/2020 14:17	BML
7440-41-7	Beryllium	0.652		ug/L	0.333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 12:42	04/20/2020 21:45	BML
7440-43-9	Cadmium	5.25		ug/L	0.556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 12:42	04/20/2020 21:45	BML
7440-47-3	Chromium	93.7		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 12:42	04/20/2020 21:45	BML
7440-48-4	Cobalt	31.7		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 12:42	04/20/2020 21:45	BML
7440-50-8	Copper	716		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 12:42	04/20/2020 21:45	BML
7439-89-6	* Iron	34500		ug/L	1110	100	EPA 6020B Certifications: CTDOH	04/17/2020 12:42	04/24/2020 14:17	BML
7439-92-1	Lead	83.3		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 12:42	04/20/2020 21:45	BML
7439-96-5	Manganese	8380		ug/L	111	100	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 12:42	04/24/2020 14:17	BML



Sample Information

Client Sample ID: GW-3

York Sample ID: 20D0471-13

York Project (SDG) No.
20D0471

Client Project ID
190740 659 E. 222 St

Matrix
Water

Collection Date/Time
April 15, 2020 2:40 pm

Date Received
04/16/2020

Metals, TAL, ICPMS

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	Nickel	112		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 12:42	04/20/2020 21:45	BML
7782-49-2	Selenium	8.05		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 12:42	04/20/2020 21:45	BML
7440-22-4	Silver	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 12:42	04/20/2020 21:45	BML
7440-28-0	Thallium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 12:42	04/20/2020 21:45	BML
7440-62-2	Vanadium	57.5		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 12:42	04/20/2020 21:45	BML
7440-66-6	Zinc	141		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 12:42	04/20/2020 21:45	BML

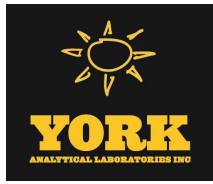
Metals, TAL, ICPMS Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	22.8		ug/L	11.1	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/22/2020 13:18	04/23/2020 17:43	BML
7440-36-0	Antimony	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/22/2020 13:18	04/23/2020 17:43	BML
7440-38-2	Arsenic	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/22/2020 13:18	04/23/2020 17:43	BML
7440-39-3	Barium	99.9		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/22/2020 13:18	04/23/2020 17:43	BML
7440-41-7	Beryllium	ND		ug/L	0.333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/22/2020 13:18	04/23/2020 17:43	BML
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/22/2020 13:18	04/23/2020 17:43	BML
7440-47-3	Chromium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/22/2020 13:18	04/23/2020 17:43	BML
7440-48-4	Cobalt	1.38		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/22/2020 13:18	04/23/2020 17:43	BML
7440-50-8	Copper	1.37		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/22/2020 13:18	04/23/2020 17:43	BML
7439-89-6	* Iron	197		ug/L	11.1	1	EPA 6020B Certifications: CTDOH	04/22/2020 13:18	04/23/2020 17:43	BML
7439-92-1	Lead	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/22/2020 13:18	04/23/2020 17:43	BML
7439-96-5	Manganese	381		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/22/2020 13:18	04/23/2020 17:43	BML
7440-02-0	Nickel	6.22		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/22/2020 13:18	04/23/2020 17:43	BML
7782-49-2	Selenium	1.81		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/22/2020 13:18	04/23/2020 17:43	BML



Sample Information

Client Sample ID: GW-3

York Sample ID: 20D0471-13

York Project (SDG) No.

20D0471

Client Project ID

190740 659 E. 222 St

Matrix

Water

Collection Date/Time

April 15, 2020 2:40 pm

Date Received

04/16/2020

Metals, TAL, ICPMS Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-22-4	Silver	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/22/2020 13:18	04/23/2020 17:43	BML
7440-28-0	Thallium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/22/2020 13:18	04/23/2020 17:43	BML
7440-62-2	Vanadium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/22/2020 13:18	04/23/2020 17:43	BML
7440-66-6	Zinc	13.3	B	ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/22/2020 13:18	04/23/2020 17:43	BML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00020	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/17/2020 14:46	04/17/2020 17:50	SY

Mercury by 7473, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002000	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	04/20/2020 10:07	04/20/2020 11:20	SY



Analytical Batch Summary

Batch ID: BD00732

Preparation Method: % Solids Prep

Prepared By: JAG

YORK Sample ID	Client Sample ID	Preparation Date
20D0471-01	SB-1@1'-2'	04/17/20
20D0471-02	SB-1@5'-6'	04/17/20
20D0471-03	SB-2@1'-2'	04/17/20
20D0471-04	SB-2@5'-6'	04/17/20
20D0471-05	SB-3@1'-2'	04/17/20
20D0471-06	SB-3@5'-6'	04/17/20
20D0471-07	SB-4@1'-2'	04/17/20
20D0471-08	SB-4@4'-5'	04/17/20
20D0471-09	SB-Duplicate	04/17/20

Batch ID: BD00739

Preparation Method: EPA 3050B

Prepared By: JAM

YORK Sample ID	Client Sample ID	Preparation Date
20D0471-01	SB-1@1'-2'	04/17/20
20D0471-02	SB-1@5'-6'	04/17/20
20D0471-03	SB-2@1'-2'	04/17/20
20D0471-04	SB-2@5'-6'	04/17/20
20D0471-05	SB-3@1'-2'	04/17/20
20D0471-06	SB-3@5'-6'	04/17/20
20D0471-07	SB-4@1'-2'	04/17/20
20D0471-08	SB-4@4'-5'	04/17/20
20D0471-09	SB-Duplicate	04/17/20
BD00739-BLK1	Blank	04/17/20
BD00739-DUP1	Duplicate	04/17/20
BD00739-MS1	Matrix Spike	04/17/20
BD00739-PS1	Post Spike	04/17/20
BD00739-SRM1	Reference	04/17/20

Batch ID: BD00742

Preparation Method: EPA 5035A

Prepared By: CLS2

YORK Sample ID	Client Sample ID	Preparation Date
20D0471-01	SB-1@1'-2'	04/17/20
20D0471-02	SB-1@5'-6'	04/17/20
20D0471-03	SB-2@1'-2'	04/17/20
20D0471-04	SB-2@5'-6'	04/17/20
20D0471-05	SB-3@1'-2'	04/17/20
20D0471-06	SB-3@5'-6'	04/17/20
20D0471-07	SB-4@1'-2'	04/17/20
20D0471-08	SB-4@4'-5'	04/17/20
20D0471-09	SB-Duplicate	04/17/20
BD00742-BLK1	Blank	04/17/20
BD00742-BLK2	Blank	04/17/20
BD00742-BLK3	Blank	04/17/20
BD00742-BS1	LCS	04/17/20
BD00742-BSD1	LCS Dup	04/17/20



Batch ID: BD00754

Preparation Method: EPA 7473 soil

Prepared By: SY

YORK Sample ID	Client Sample ID	Preparation Date
20D0471-01	SB-1@1'-2'	04/17/20
20D0471-02	SB-1@5'-6'	04/17/20
20D0471-03	SB-2@1'-2'	04/17/20
20D0471-04	SB-2@5'-6'	04/17/20
20D0471-05	SB-3@1'-2'	04/17/20
20D0471-06	SB-3@5'-6'	04/17/20
20D0471-07	SB-4@1'-2'	04/17/20
20D0471-08	SB-4@4'-5'	04/17/20
20D0471-09	SB-Duplicate	04/17/20
BD00754-BLK1	Blank	04/17/20
BD00754-SRM1	Reference	04/17/20

Batch ID: BD00756

Preparation Method: EPA 3015A

Prepared By: SY

YORK Sample ID	Client Sample ID	Preparation Date
20D0471-11	GW-1	04/17/20
20D0471-11RE1	GW-1	04/17/20
20D0471-12	GW-2	04/17/20
20D0471-12RE1	GW-2	04/17/20
20D0471-13	GW-3	04/17/20
20D0471-13RE1	GW-3	04/17/20
BD00756-BLK1	Blank	04/17/20
BD00756-BS1	LCS	04/17/20

Batch ID: BD00764

Preparation Method: EPA SW846-3510C Low Level

Prepared By: YG

YORK Sample ID	Client Sample ID	Preparation Date
20D0471-11	GW-1	04/17/20
20D0471-11	GW-1	04/17/20
20D0471-12	GW-2	04/17/20
20D0471-12	GW-2	04/17/20
20D0471-13	GW-3	04/17/20
20D0471-13	GW-3	04/17/20
BD00764-BLK1	Blank	04/17/20
BD00764-BLK2	Blank	04/17/20
BD00764-BS1	LCS	04/17/20
BD00764-BS2	LCS	04/17/20

Batch ID: BD00768

Preparation Method: EPA 3550C

Prepared By: LJ

YORK Sample ID	Client Sample ID	Preparation Date
20D0471-01	SB-1@1'-2'	04/17/20
20D0471-01	SB-1@1'-2'	04/17/20
20D0471-02	SB-1@5'-6'	04/17/20
20D0471-02	SB-1@5'-6'	04/17/20



20D0471-03	SB-2@1'-2'	04/17/20
20D0471-03	SB-2@1'-2'	04/17/20
20D0471-04	SB-2@5'-6'	04/17/20
20D0471-04	SB-2@5'-6'	04/17/20
20D0471-05	SB-3@1'-2'	04/17/20
20D0471-05	SB-3@1'-2'	04/17/20
20D0471-06	SB-3@5'-6'	04/17/20
20D0471-06	SB-3@5'-6'	04/17/20
BD00768-BLK1	Blank	04/17/20
BD00768-BLK2	Blank	04/17/20
BD00768-BS1	LCS	04/17/20
BD00768-BS2	LCS	04/17/20

Batch ID: BD00770 **Preparation Method:** EPA 7473 water **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
20D0471-11	GW-1	04/17/20
20D0471-12	GW-2	04/17/20
20D0471-13	GW-3	04/17/20
BD00770-BLK1	Blank	04/17/20
BD00770-SRM1	Reference	04/17/20

Batch ID: BD00786 **Preparation Method:** EPA 3550C **Prepared By:** PD

YORK Sample ID	Client Sample ID	Preparation Date
20D0471-01	SB-1@1'-2'	04/20/20
20D0471-02	SB-1@5'-6'	04/20/20
20D0471-03	SB-2@1'-2'	04/20/20
BD00786-BLK1	Blank	04/20/20
BD00786-BS1	LCS	04/20/20

Batch ID: BD00787 **Preparation Method:** EPA 3550C **Prepared By:** LM

YORK Sample ID	Client Sample ID	Preparation Date
20D0471-07	SB-4@1'-2'	04/20/20
20D0471-07	SB-4@1'-2'	04/20/20
20D0471-08	SB-4@4'-5'	04/20/20
20D0471-08	SB-4@4'-5'	04/20/20
20D0471-09	SB-Duplicate	04/20/20
20D0471-09	SB-Duplicate	04/20/20
BD00787-BLK1	Blank	04/20/20
BD00787-BLK2	Blank	04/20/20
BD00787-BS1	LCS	04/20/20
BD00787-BS2	LCS	04/20/20

Batch ID: BD00791 **Preparation Method:** EPA 3510C **Prepared By:** TSS

YORK Sample ID	Client Sample ID	Preparation Date
20D0471-11	GW-1	04/20/20



20D0471-12	GW-2	04/20/20
20D0471-13	GW-3	04/20/20
BD00791-BLK1	Blank	04/20/20
BD00791-BLK2	Blank	04/20/20
BD00791-BS1	LCS	04/20/20
BD00791-BS2	LCS	04/20/20

Batch ID: BD00808 **Preparation Method:** EPA 7473 water **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
20D0471-11	GW-1	04/20/20
20D0471-12	GW-2	04/20/20
20D0471-13	GW-3	04/20/20
BD00808-BLK1	Blank	04/20/20
BD00808-DUP1	Duplicate	04/20/20
BD00808-MS1	Matrix Spike	04/20/20
BD00808-SRM1	Reference	04/20/20

Batch ID: BD00851 **Preparation Method:** EPA 3550C **Prepared By:** PD

YORK Sample ID	Client Sample ID	Preparation Date
20D0471-04	SB-2@5'-6'	04/21/20
20D0471-05	SB-3@1'-2'	04/21/20
20D0471-06	SB-3@5'-6'	04/21/20
20D0471-07	SB-4@1'-2'	04/21/20
20D0471-08	SB-4@4'-5'	04/21/20
20D0471-09	SB-Duplicate	04/21/20
BD00851-BLK1	Blank	04/21/20
BD00851-BS1	LCS	04/21/20

Batch ID: BD00978 **Preparation Method:** EPA 3015A **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
20D0471-11	GW-1	04/22/20
20D0471-12	GW-2	04/22/20
20D0471-13	GW-3	04/22/20
BD00978-BLK1	Blank	04/22/20
BD00978-BS1	LCS	04/22/20

Batch ID: BD01010 **Preparation Method:** EPA 5030B **Prepared By:** CLS2

YORK Sample ID	Client Sample ID	Preparation Date
20D0471-11	GW-1	04/23/20
20D0471-12	GW-2	04/23/20
20D0471-13	GW-3	04/23/20
BD01010-BLK1	Blank	04/23/20
BD01010-BS1	LCS	04/23/20
BD01010-BSD1	LCS Dup	04/23/20





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 BD00742 - EPA 5035A											
Blank (BD00742-BLK1)											
Prepared & Analyzed: 04/17/2020											
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg wet								
1,1,1-Trichloroethane	ND	5.0	"								
1,1,2,2-Tetrachloroethane	ND	5.0	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"								
1,1,2-Trichloroethane	ND	5.0	"								
1,1-Dichloroethane	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
1,2,3-Trichlorobenzene	11	5.0	"								
1,2,3-Trichloropropane	ND	5.0	"								
1,2,4-Trichlorobenzene	8.4	5.0	"								
1,2,4-Trimethylbenzene	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	5.0	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3,5-Trimethylbenzene	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,4-Dichlorobenzene	2.6	5.0	"								
1,4-Dioxane	ND	100	"								
2-Butanone	ND	5.0	"								
2-Hexanone	ND	5.0	"								
4-Methyl-2-pentanone	ND	5.0	"								
Acetone	ND	10	"								
Acrolein	ND	10	"								
Acrylonitrile	ND	5.0	"								
Benzene	ND	5.0	"								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								
Bromoform	ND	5.0	"								
Bromomethane	ND	5.0	"								
Carbon disulfide	ND	5.0	"								
Carbon tetrachloride	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Chloroethane	ND	5.0	"								
Chloroform	ND	5.0	"								
Chloromethane	ND	5.0	"								
cis-1,2-Dichloroethylene	ND	5.0	"								
cis-1,3-Dichloropropylene	ND	5.0	"								
Cyclohexane	ND	5.0	"								
Dibromochloromethane	ND	5.0	"								
Dibromomethane	ND	5.0	"								
Dichlorodifluoromethane	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Hexachlorobutadiene	ND	5.0	"								
Isopropylbenzene	ND	5.0	"								
Methyl acetate	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								
Methylcyclohexane	ND	5.0	"								



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 BD00742 - EPA 5035A

Blank (BD00742-BLK1)

Prepared & Analyzed: 04/17/2020

Methylene chloride	ND	10	ug/kg wet
n-Butylbenzene	3.0	5.0	"
n-Propylbenzene	ND	5.0	"
o-Xylene	ND	5.0	"
p- & m- Xylenes	ND	10	"
p-Isopropyltoluene	4.4	5.0	"
sec-Butylbenzene	ND	5.0	"
Styrene	ND	5.0	"
tert-Butyl alcohol (TBA)	ND	5.0	"
tert-Butylbenzene	ND	5.0	"
Tetrachloroethylene	ND	5.0	"
Toluene	ND	5.0	"
trans-1,2-Dichloroethylene	ND	5.0	"
trans-1,3-Dichloropropylene	ND	5.0	"
trans-1,4-dichloro-2-butene	ND	5.0	"
Trichloroethylene	ND	5.0	"
Trichlorofluoromethane	ND	5.0	"
Vinyl Chloride	ND	5.0	"
Xylenes, Total	ND	15	"

Surrogate: SURR: 1,2-Dichloroethane-d4	50.8	ug/L	50.0	102	77-125
Surrogate: SURR: Toluene-d8	49.3	"	50.0	98.5	85-120
Surrogate: SURR: p-Bromofluorobenzene	51.2	"	50.0	102	76-130

Blank (BD00742-BLK2)

Prepared & Analyzed: 04/17/2020

1,1,1,2-Tetrachloroethane	ND	500	ug/kg wet
1,1,1-Trichloroethane	ND	500	"
1,1,2,2-Tetrachloroethane	ND	500	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	500	"
1,1,2-Trichloroethane	ND	500	"
1,1-Dichloroethane	ND	500	"
1,1-Dichloroethylene	ND	500	"
1,2,3-Trichlorobenzene	270	500	"
1,2,3-Trichloropropane	ND	500	"
1,2,4-Trichlorobenzene	ND	500	"
1,2,4-Trimethylbenzene	ND	500	"
1,2-Dibromo-3-chloropropane	ND	500	"
1,2-Dibromoethane	ND	500	"
1,2-Dichlorobenzene	ND	500	"
1,2-Dichloroethane	ND	500	"
1,2-Dichloropropane	ND	500	"
1,3,5-Trimethylbenzene	ND	500	"
1,3-Dichlorobenzene	ND	500	"
1,4-Dichlorobenzene	ND	500	"
1,4-Dioxane	ND	10000	"
2-Butanone	ND	500	"
2-Hexanone	ND	500	"
4-Methyl-2-pentanone	ND	500	"
Acetone	ND	1000	"
Acrolein	ND	1000	"
Acrylonitrile	ND	500	"



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BD00742 - EPA 5035A

Blank (BD00742-BLK2)

Prepared & Analyzed: 04/17/2020

Benzene	ND	500	ug/kg wet								
Bromochloromethane	ND	500	"								
Bromodichloromethane	ND	500	"								
Bromoform	ND	500	"								
Bromomethane	ND	500	"								
Carbon disulfide	ND	500	"								
Carbon tetrachloride	ND	500	"								
Chlorobenzene	ND	500	"								
Chloroethane	ND	500	"								
Chloroform	ND	500	"								
Chloromethane	ND	500	"								
cis-1,2-Dichloroethylene	ND	500	"								
cis-1,3-Dichloropropylene	ND	500	"								
Cyclohexane	ND	500	"								
Dibromochloromethane	ND	500	"								
Dibromomethane	ND	500	"								
Dichlorodifluoromethane	ND	500	"								
Ethyl Benzene	ND	500	"								
Hexachlorobutadiene	ND	500	"								
Isopropylbenzene	ND	500	"								
Methyl acetate	ND	500	"								
Methyl tert-butyl ether (MTBE)	ND	500	"								
Methylcyclohexane	ND	500	"								
Methylene chloride	ND	1000	"								
n-Butylbenzene	ND	500	"								
n-Propylbenzene	ND	500	"								
o-Xylene	ND	500	"								
p- & m- Xylenes	ND	1000	"								
p-Isopropyltoluene	350	500	"								
sec-Butylbenzene	ND	500	"								
Styrene	ND	500	"								
tert-Butyl alcohol (TBA)	ND	500	"								
tert-Butylbenzene	ND	500	"								
Tetrachloroethylene	ND	500	"								
Toluene	ND	500	"								
trans-1,2-Dichloroethylene	ND	500	"								
trans-1,3-Dichloropropylene	ND	500	"								
trans-1,4-dichloro-2-butene	ND	500	"								
Trichloroethylene	ND	500	"								
Trichlorofluoromethane	ND	500	"								
Vinyl Chloride	ND	500	"								
Xylenes, Total	ND	1500	"								
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Surrogate: SURRE: 1,2-Dichloroethane-d4	45.8		ug/L	50.0		91.7	77-125				
Surrogate: SURRE: Toluene-d8	51.2		"	50.0		102	85-120				
Surrogate: SURRE: p-Bromofluorobenzene	50.5		"	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
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Batch BD00742 - EPA 5035A

Blank (BD00742-BLK3)

Prepared & Analyzed: 04/17/2020

1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg wet
1,1,1-Trichloroethane	ND	5.0	"
1,1,2,2-Tetrachloroethane	ND	5.0	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"
1,1,2-Trichloroethane	ND	5.0	"
1,1-Dichloroethane	ND	5.0	"
1,1-Dichloroethylene	ND	5.0	"
1,2,3-Trichlorobenzene	ND	5.0	"
1,2,3-Trichloropropane	ND	5.0	"
1,2,4-Trichlorobenzene	ND	5.0	"
1,2,4-Trimethylbenzene	ND	5.0	"
1,2-Dibromo-3-chloropropane	ND	5.0	"
1,2-Dibromoethane	ND	5.0	"
1,2-Dichlorobenzene	ND	5.0	"
1,2-Dichloroethane	ND	5.0	"
1,2-Dichloropropane	ND	5.0	"
1,3,5-Trimethylbenzene	ND	5.0	"
1,3-Dichlorobenzene	ND	5.0	"
1,4-Dichlorobenzene	ND	5.0	"
1,4-Dioxane	ND	100	"
2-Butanone	ND	5.0	"
2-Hexanone	ND	5.0	"
4-Methyl-2-pentanone	ND	5.0	"
Acetone	ND	10	"
Acrolein	ND	10	"
Acrylonitrile	ND	5.0	"
Benzene	ND	5.0	"
Bromochloromethane	ND	5.0	"
Bromodichloromethane	ND	5.0	"
Bromoform	ND	5.0	"
Bromomethane	ND	5.0	"
Carbon disulfide	ND	5.0	"
Carbon tetrachloride	ND	5.0	"
Chlorobenzene	ND	5.0	"
Chloroethane	ND	5.0	"
Chloroform	ND	5.0	"
Chloromethane	ND	5.0	"
cis-1,2-Dichloroethylene	ND	5.0	"
cis-1,3-Dichloropropylene	ND	5.0	"
Cyclohexane	ND	5.0	"
Dibromochloromethane	ND	5.0	"
Dibromomethane	ND	5.0	"
Dichlorodifluoromethane	ND	5.0	"
Ethyl Benzene	ND	5.0	"
Hexachlorobutadiene	ND	5.0	"
Isopropylbenzene	ND	5.0	"
Methyl acetate	ND	5.0	"
Methyl tert-butyl ether (MTBE)	ND	5.0	"
Methylcyclohexane	ND	5.0	"
Methylene chloride	ND	10	"



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BD00742 - EPA 5035A

Blank (BD00742-BLK3)

Prepared & Analyzed: 04/17/2020

n-Butylbenzene	ND	5.0	ug/kg wet
n-Propylbenzene	ND	5.0	"
o-Xylene	ND	5.0	"
p- & m- Xylenes	ND	10	"
p-Isopropyltoluene	ND	5.0	"
sec-Butylbenzene	ND	5.0	"
Styrene	ND	5.0	"
tert-Butyl alcohol (TBA)	ND	5.0	"
tert-Butylbenzene	ND	5.0	"
Tetrachloroethylene	ND	5.0	"
Toluene	ND	5.0	"
trans-1,2-Dichloroethylene	ND	5.0	"
trans-1,3-Dichloropropylene	ND	5.0	"
trans-1,4-dichloro-2-butene	ND	5.0	"
Trichloroethylene	ND	5.0	"
Trichlorofluoromethane	ND	5.0	"
Vinyl Chloride	ND	5.0	"
Xylenes, Total	ND	15	"

Surrogate: SURRE: 1,2-Dichloroethane-d4	46.7	ug/L	50.0	93.3	77-125
Surrogate: SURRE: Toluene-d8	49.3	"	50.0	98.6	85-120
Surrogate: SURRE: p-Bromofluorobenzene	50.6	"	50.0	101	76-130

LCS (BD00742-BS1)

Prepared & Analyzed: 04/17/2020

1,1,1,2-Tetrachloroethane	42	ug/L	50.0	84.0	75-129
1,1,1-Trichloroethane	40	"	50.0	80.5	71-137
1,1,2,2-Tetrachloroethane	49	"	50.0	97.3	79-129
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	43	"	50.0	86.1	58-146
1,1,2-Trichloroethane	45	"	50.0	90.6	83-123
1,1-Dichloroethane	42	"	50.0	83.2	75-130
1,1-Dichloroethylene	41	"	50.0	82.3	64-137
1,2,3-Trichlorobenzene	51	"	50.0	102	81-140
1,2,3-Trichloropropane	49	"	50.0	97.2	81-126
1,2,4-Trichlorobenzene	47	"	50.0	94.9	80-141
1,2,4-Trimethylbenzene	45	"	50.0	91.0	84-125
1,2-Dibromo-3-chloropropane	51	"	50.0	102	74-142
1,2-Dibromoethane	47	"	50.0	93.6	86-123
1,2-Dichlorobenzene	46	"	50.0	91.2	85-122
1,2-Dichloroethane	43	"	50.0	86.8	71-133
1,2-Dichloropropane	44	"	50.0	87.0	81-122
1,3,5-Trimethylbenzene	45	"	50.0	89.5	82-126
1,3-Dichlorobenzene	44	"	50.0	88.6	84-124
1,4-Dichlorobenzene	45	"	50.0	89.6	84-124
1,4-Dioxane	890	"	1050	84.8	10-228
2-Butanone	38	"	50.0	76.2	58-147
2-Hexanone	47	"	50.0	93.6	70-139
4-Methyl-2-pentanone	51	"	50.0	102	72-132
Acetone	40	"	50.0	79.3	36-155
Acrolein	56	"	50.0	112	10-238
Acrylonitrile	47	"	50.0	94.7	66-141
Benzene	45	"	50.0	89.2	77-127



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 BD00742 - EPA 5035A											
LCS (BD00742-BS1)						Prepared & Analyzed: 04/17/2020					
Bromochloromethane	45		ug/L	50.0		89.2	74-129				
Bromodichloromethane	44		"	50.0		88.7	81-124				
Bromoform	44		"	50.0		88.3	80-136				
Bromomethane	46		"	50.0		92.1	32-177				
Carbon disulfide	38		"	50.0		76.4	10-136				
Carbon tetrachloride	37		"	50.0		73.4	66-143				
Chlorobenzene	43		"	50.0		85.6	86-120	Low Bias			
Chloroethane	44		"	50.0		88.3	51-142				
Chloroform	43		"	50.0		86.7	76-131				
Chloromethane	44		"	50.0		88.8	49-132				
cis-1,2-Dichloroethylene	43		"	50.0		86.7	74-132				
cis-1,3-Dichloropropylene	41		"	50.0		82.7	81-129				
Cyclohexane	43		"	50.0		86.1	70-130				
Dibromochloromethane	43		"	50.0		86.2	10-200				
Dibromomethane	44		"	50.0		88.2	83-124				
Dichlorodifluoromethane	49		"	50.0		97.4	28-158				
Ethyl Benzene	43		"	50.0		86.4	84-125				
Hexachlorobutadiene	42		"	50.0		84.3	83-133				
Isopropylbenzene	43		"	50.0		85.7	81-127				
Methyl acetate	52		"	50.0		104	41-143				
Methyl tert-butyl ether (MTBE)	60		"	50.0		119	74-131				
Methylcyclohexane	41		"	50.0		82.8	70-130				
Methylene chloride	49		"	50.0		97.7	57-141				
n-Butylbenzene	43		"	50.0		86.7	80-130				
n-Propylbenzene	43		"	50.0		85.3	74-136				
o-Xylene	45		"	50.0		89.1	83-123				
p- & m- Xylenes	85		"	100		85.1	82-128				
p-Isopropyltoluene	41		"	50.0		82.9	85-125	Low Bias			
sec-Butylbenzene	45		"	50.0		90.7	83-125				
Styrene	45		"	50.0		90.5	86-126				
tert-Butyl alcohol (TBA)	220		"	250		87.4	70-130				
tert-Butylbenzene	43		"	50.0		86.4	80-127				
Tetrachloroethylene	34		"	50.0		68.9	80-129	Low Bias			
Toluene	44		"	50.0		88.6	85-121				
trans-1,2-Dichloroethylene	44		"	50.0		88.2	72-132				
trans-1,3-Dichloropropylene	41		"	50.0		81.3	78-132				
trans-1,4-dichloro-2-butene	45		"	50.0		90.7	75-135				
Trichloroethylene	42		"	50.0		83.7	84-123	Low Bias			
Trichlorofluoromethane	42		"	50.0		83.6	62-140				
Vinyl Chloride	43		"	50.0		85.7	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	46.8		"	50.0		93.5	77-125				
Surrogate: SURR: Toluene-d8	49.4		"	50.0		98.9	85-120				
Surrogate: SURR: p-Bromofluorobenzene	49.9		"	50.0		99.8	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD00742 - EPA 5035A											
LCS Dup (BD00742-BSD1)						Prepared & Analyzed: 04/17/2020					
1,1,1,2-Tetrachloroethane	43		ug/L	50.0		85.6	75-129		1.91	30	
1,1,1-Trichloroethane	43		"	50.0		86.5	71-137		7.11	30	
1,1,2,2-Tetrachloroethane	49		"	50.0		98.4	79-129		1.19	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	47		"	50.0		93.0	58-146		7.73	30	
1,1,2-Trichloroethane	44		"	50.0		87.8	83-123		3.14	30	
1,1-Dichloroethane	45		"	50.0		90.2	75-130		8.01	30	
1,1-Dichloroethylene	44		"	50.0		87.4	64-137		5.94	30	
1,2,3-Trichlorobenzene	53		"	50.0		107	81-140		4.49	30	
1,2,3-Trichloropropane	51		"	50.0		102	81-126		4.37	30	
1,2,4-Trichlorobenzene	51		"	50.0		101	80-141		6.31	30	
1,2,4-Trimethylbenzene	47		"	50.0		94.4	84-125		3.71	30	
1,2-Dibromo-3-chloropropane	51		"	50.0		103	74-142		1.09	30	
1,2-Dibromoethane	46		"	50.0		91.1	86-123		2.62	30	
1,2-Dichlorobenzene	46		"	50.0		92.0	85-122		0.917	30	
1,2-Dichloroethane	45		"	50.0		89.0	71-133		2.48	30	
1,2-Dichloropropane	45		"	50.0		89.7	81-122		3.03	30	
1,3,5-Trimethylbenzene	47		"	50.0		94.9	82-126		5.88	30	
1,3-Dichlorobenzene	46		"	50.0		92.8	84-124		4.70	30	
1,4-Dichlorobenzene	46		"	50.0		91.8	84-124		2.42	30	
1,4-Dioxane	1100		"	1050		100	10-228		16.9	30	
2-Butanone	28		"	50.0		55.1	58-147	Low Bias	32.2	30	Non-dir.
2-Hexanone	48		"	50.0		96.3	70-139		2.89	30	
4-Methyl-2-pentanone	51		"	50.0		101	72-132		0.769	30	
Acetone	43		"	50.0		85.9	36-155		8.09	30	
Acrolein	56		"	50.0		112	10-238		0.0178	30	
Acrylonitrile	49		"	50.0		97.9	66-141		3.32	30	
Benzene	47		"	50.0		94.9	77-127		6.24	30	
Bromochloromethane	46		"	50.0		92.0	74-129		3.18	30	
Bromodichloromethane	46		"	50.0		92.6	81-124		4.35	30	
Bromoform	48		"	50.0		95.5	80-136		7.92	30	
Bromomethane	49		"	50.0		98.9	32-177		7.14	30	
Carbon disulfide	40		"	50.0		80.6	10-136		5.27	30	
Carbon tetrachloride	39		"	50.0		78.0	66-143		5.97	30	
Chlorobenzene	45		"	50.0		90.4	86-120		5.48	30	
Chloroethane	46		"	50.0		93.0	51-142		5.14	30	
Chloroform	46		"	50.0		92.3	76-131		6.23	30	
Chloromethane	48		"	50.0		95.9	49-132		7.62	30	
cis-1,2-Dichloroethylene	46		"	50.0		92.4	74-132		6.39	30	
cis-1,3-Dichloropropylene	42		"	50.0		83.8	81-129		1.39	30	
Cyclohexane	47		"	50.0		94.4	70-130		9.15	30	
Dibromochloromethane	45		"	50.0		89.4	10-200		3.60	30	
Dibromomethane	45		"	50.0		91.0	83-124		3.08	30	
Dichlorodifluoromethane	52		"	50.0		105	28-158		7.47	30	
Ethyl Benzene	46		"	50.0		91.3	84-125		5.49	30	
Hexachlorobutadiene	46		"	50.0		92.5	83-133		9.19	30	
Isopropylbenzene	45		"	50.0		90.0	81-127		4.87	30	
Methyl acetate	56		"	50.0		111	41-143		6.67	30	
Methyl tert-butyl ether (MTBE)	58		"	50.0		117	74-131		2.21	30	
Methylcyclohexane	45		"	50.0		89.4	70-130		7.71	30	
Methylene chloride	51		"	50.0		101	57-141		3.80	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BD00742 - EPA 5035A

LCS Dup (BD00742-BSD1)

Prepared & Analyzed: 04/17/2020

n-Butylbenzene	46		ug/L	50.0		91.7	80-130		5.67	30	
n-Propylbenzene	45		"	50.0		90.6	74-136		5.98	30	
o-Xylene	46		"	50.0		92.5	83-123		3.77	30	
p- & m- Xylenes	90		"	100		90.0	82-128		5.64	30	
p-Isopropyltoluene	45		"	50.0		89.8	85-125		7.99	30	
sec-Butylbenzene	49		"	50.0		97.2	83-125		6.83	30	
Styrene	48		"	50.0		96.0	86-126		5.86	30	
tert-Butyl alcohol (TBA)	210		"	250		83.2	70-130		4.90	30	
tert-Butylbenzene	46		"	50.0		91.3	80-127		5.49	30	
Tetrachloroethylene	36		"	50.0		71.3	80-129	Low Bias	3.51	30	
Toluene	46		"	50.0		91.6	85-121		3.33	30	
trans-1,2-Dichloroethylene	46		"	50.0		92.8	72-132		5.11	30	
trans-1,3-Dichloropropylene	40		"	50.0		80.8	78-132		0.666	30	
trans-1,4-dichloro-2-butene	46		"	50.0		91.9	75-135		1.34	30	
Trichloroethylene	44		"	50.0		88.2	84-123		5.17	30	
Trichlorofluoromethane	44		"	50.0		88.8	62-140		6.06	30	
Vinyl Chloride	46		"	50.0		92.5	52-130		7.66	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	48.6		"	50.0		97.1	77-125				
Surrogate: SURR: Toluene-d8	48.8		"	50.0		97.5	85-120				
Surrogate: SURR: p-Bromofluorobenzene	50.7		"	50.0		101	76-130				

Batch BD01010 - EPA 5030B

Blank (BD01010-BLK1)

Prepared & Analyzed: 04/23/2020

1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	40	"								
2-Butanone	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								



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 BD01010 - EPA 5030B

Blank (BD01010-BLK1)

Prepared & Analyzed: 04/23/2020

Bromochloromethane	ND	0.50	ug/L								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Cyclohexane	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								
Methylene chloride	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	1.0	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
trans-1,4-dichloro-2-butene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
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Surrogate: SURR: 1,2-Dichloroethane-d4	9.90		"	10.0		99.0	69-130				
Surrogate: SURR: Toluene-d8	9.94		"	10.0		99.4	81-117				
Surrogate: SURR: p-Bromofluorobenzene	10.0		"	10.0		100	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 BD01010 - EPA 5030B											
LCS (BD01010-BS1)						Prepared & Analyzed: 04/23/2020					
1,1,1,2-Tetrachloroethane	10		ug/L	10.0		102	82-126				
1,1,1-Trichloroethane	11		"	10.0		108	78-136				
1,1,2,2-Tetrachloroethane	11		"	10.0		109	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11		"	10.0		111	54-165				
1,1,2-Trichloroethane	9.9		"	10.0		98.8	82-123				
1,1-Dichloroethane	10		"	10.0		102	82-129				
1,1-Dichloroethylene	10		"	10.0		104	68-138				
1,2,3-Trichlorobenzene	9.7		"	10.0		97.1	76-136				
1,2,3-Trichloropropane	10		"	10.0		105	77-128				
1,2,4-Trichlorobenzene	10		"	10.0		105	76-137				
1,2,4-Trimethylbenzene	11		"	10.0		108	82-132				
1,2-Dibromo-3-chloropropane	10		"	10.0		103	45-147				
1,2-Dibromoethane	10		"	10.0		102	83-124				
1,2-Dichlorobenzene	10		"	10.0		102	79-123				
1,2-Dichloroethane	10		"	10.0		100	73-132				
1,2-Dichloropropane	10		"	10.0		100	78-126				
1,3,5-Trimethylbenzene	11		"	10.0		108	80-131				
1,3-Dichlorobenzene	10		"	10.0		103	86-122				
1,4-Dichlorobenzene	10		"	10.0		104	85-124				
1,4-Dioxane	110		"	210		50.3	10-349				
2-Butanone	9.6		"	10.0		95.9	49-152				
2-Hexanone	9.4		"	10.0		94.3	51-146				
4-Methyl-2-pentanone	11		"	10.0		106	57-145				
Acetone	7.5		"	10.0		75.0	14-150				
Acrolein	9.2		"	10.0		92.3	10-153				
Acrylonitrile	11		"	10.0		107	51-150				
Benzene	11		"	10.0		110	85-126				
Bromochloromethane	11		"	10.0		106	77-128				
Bromodichloromethane	10		"	10.0		101	79-128				
Bromoform	10		"	10.0		102	78-133				
Bromomethane	13		"	10.0		127	43-168				
Carbon disulfide	9.8		"	10.0		97.5	68-146				
Carbon tetrachloride	11		"	10.0		105	77-141				
Chlorobenzene	10		"	10.0		104	88-120				
Chloroethane	11		"	10.0		111	65-136				
Chloroform	11		"	10.0		105	82-128				
Chloromethane	12		"	10.0		117	43-155				
cis-1,2-Dichloroethylene	10		"	10.0		101	83-129				
cis-1,3-Dichloropropylene	9.9		"	10.0		98.6	80-131				
Cyclohexane	11		"	10.0		110	63-149				
Dibromochloromethane	10		"	10.0		102	80-130				
Dibromomethane	10		"	10.0		99.6	72-134				
Dichlorodifluoromethane	12		"	10.0		123	44-144				
Ethyl Benzene	11		"	10.0		108	80-131				
Hexachlorobutadiene	11		"	10.0		107	67-146				
Isopropylbenzene	10		"	10.0		105	76-140				
Methyl acetate	9.0		"	10.0		90.5	51-139				
Methyl tert-butyl ether (MTBE)	11		"	10.0		105	76-135				
Methylcyclohexane	11		"	10.0		108	72-143				
Methylene chloride	12		"	10.0		115	55-137				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD01010 - EPA 5030B											
LCS (BD01010-BS1)						Prepared & Analyzed: 04/23/2020					
n-Butylbenzene	10		ug/L	10.0		99.8	79-132				
n-Propylbenzene	11		"	10.0		107	78-133				
o-Xylene	11		"	10.0		106	78-130				
p- & m- Xylenes	22		"	20.0		111	77-133				
p-Isopropyltoluene	11		"	10.0		111	81-136				
sec-Butylbenzene	12		"	10.0		116	79-137				
Styrene	11		"	10.0		108	67-132				
tert-Butyl alcohol (TBA)	52		"	50.0		104	25-162				
tert-Butylbenzene	11		"	10.0		108	77-138				
Tetrachloroethylene	8.1		"	10.0		80.7	82-131	Low Bias			
Toluene	11		"	10.0		106	80-127				
trans-1,2-Dichloroethylene	11		"	10.0		108	80-132				
trans-1,3-Dichloropropylene	9.7		"	10.0		97.4	78-131				
trans-1,4-dichloro-2-butene	10		"	10.0		101	63-141				
Trichloroethylene	10		"	10.0		100	82-128				
Trichlorofluoromethane	11		"	10.0		109	67-139				
Vinyl Chloride	11		"	10.0		111	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	9.99		"	10.0		99.9	69-130				
Surrogate: SURR: Toluene-d8	9.78		"	10.0		97.8	81-117				
Surrogate: SURR: p-Bromofluorobenzene	9.95		"	10.0		99.5	79-122				
LCS Dup (BD01010-BS1)						Prepared & Analyzed: 04/23/2020					
1,1,1,2-Tetrachloroethane	9.9		ug/L	10.0		99.3	82-126		3.17	30	
1,1,1-Trichloroethane	10		"	10.0		104	78-136		4.07	30	
1,1,2,2-Tetrachloroethane	11		"	10.0		105	76-129		3.08	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11		"	10.0		108	54-165		3.28	30	
1,1,2-Trichloroethane	9.6		"	10.0		96.4	82-123		2.46	30	
1,1-Dichloroethane	10		"	10.0		99.6	82-129		2.48	30	
1,1-Dichloroethylene	10		"	10.0		100	68-138		3.23	30	
1,2,3-Trichlorobenzene	10		"	10.0		103	76-136		6.19	30	
1,2,3-Trichloropropane	10		"	10.0		102	77-128		2.80	30	
1,2,4-Trichlorobenzene	10		"	10.0		103	76-137		1.74	30	
1,2,4-Trimethylbenzene	11		"	10.0		106	82-132		2.14	30	
1,2-Dibromo-3-chloropropane	10		"	10.0		100	45-147		3.25	30	
1,2-Dibromoethane	9.9		"	10.0		99.2	83-124		2.49	30	
1,2-Dichlorobenzene	10		"	10.0		102	79-123		0.489	30	
1,2-Dichloroethane	9.8		"	10.0		98.5	73-132		1.91	30	
1,2-Dichloropropane	9.8		"	10.0		97.7	78-126		2.73	30	
1,3,5-Trimethylbenzene	11		"	10.0		106	80-131		2.15	30	
1,3-Dichlorobenzene	10		"	10.0		102	86-122		1.07	30	
1,4-Dichlorobenzene	10		"	10.0		102	85-124		2.23	30	
1,4-Dioxane	98		"	210		46.5	10-349		7.84	30	
2-Butanone	8.9		"	10.0		89.1	49-152		7.35	30	
2-Hexanone	9.1		"	10.0		90.6	51-146		4.00	30	
4-Methyl-2-pentanone	9.9		"	10.0		99.2	57-145		6.72	30	
Acetone	7.2		"	10.0		72.1	14-150		3.94	30	
Acrolein	9.0		"	10.0		90.3	10-153		2.19	30	
Acrylonitrile	10		"	10.0		101	51-150		6.04	30	
Benzene	11		"	10.0		107	85-126		2.68	30	
Bromochloromethane	10		"	10.0		105	77-128		1.61	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 BD01010 - EPA 5030B											
LCS Dup (BD01010-BSD1)						Prepared & Analyzed: 04/23/2020					
Bromodichloromethane	9.8		ug/L	10.0		97.9	79-128		2.82	30	
Bromoform	9.9		"	10.0		98.9	78-133		2.59	30	
Bromomethane	12		"	10.0		117	43-168		8.60	30	
Carbon disulfide	9.5		"	10.0		94.9	68-146		2.70	30	
Carbon tetrachloride	10		"	10.0		101	77-141		3.78	30	
Chlorobenzene	10		"	10.0		102	88-120		2.63	30	
Chloroethane	11		"	10.0		109	65-136		2.28	30	
Chloroform	10		"	10.0		103	82-128		2.02	30	
Chloromethane	12		"	10.0		124	43-155		5.65	30	
cis-1,2-Dichloroethylene	9.8		"	10.0		98.3	83-129		3.10	30	
cis-1,3-Dichloropropylene	9.6		"	10.0		96.4	80-131		2.26	30	
Cyclohexane	11		"	10.0		107	63-149		3.50	30	
Dibromochloromethane	9.9		"	10.0		98.7	80-130		2.80	30	
Dibromomethane	9.7		"	10.0		96.6	72-134		3.06	30	
Dichlorodifluoromethane	12		"	10.0		117	44-144		5.01	30	
Ethyl Benzene	11		"	10.0		105	80-131		3.18	30	
Hexachlorobutadiene	11		"	10.0		107	67-146		0.468	30	
Isopropylbenzene	10		"	10.0		104	76-140		1.44	30	
Methyl acetate	8.7		"	10.0		87.3	51-139		3.60	30	
Methyl tert-butyl ether (MTBE)	10		"	10.0		102	76-135		3.57	30	
Methylcyclohexane	10		"	10.0		104	72-143		4.44	30	
Methylene chloride	11		"	10.0		115	55-137		0.348	30	
n-Butylbenzene	9.5		"	10.0		95.2	79-132		4.72	30	
n-Propylbenzene	10		"	10.0		105	78-133		2.26	30	
o-Xylene	10		"	10.0		104	78-130		2.66	30	
p- & m- Xylenes	22		"	20.0		108	77-133		3.01	30	
p-Isopropyltoluene	11		"	10.0		109	81-136		2.27	30	
sec-Butylbenzene	11		"	10.0		113	79-137		2.27	30	
Styrene	11		"	10.0		106	67-132		2.71	30	
tert-Butyl alcohol (TBA)	46		"	50.0		91.7	25-162		12.4	30	
tert-Butylbenzene	11		"	10.0		106	77-138		1.88	30	
Tetrachloroethylene	7.8		"	10.0		77.7	82-131	Low Bias	3.79	30	
Toluene	10		"	10.0		104	80-127		1.61	30	
trans-1,2-Dichloroethylene	11		"	10.0		105	80-132		2.81	30	
trans-1,3-Dichloropropylene	9.6		"	10.0		95.9	78-131		1.55	30	
trans-1,4-dichloro-2-butene	9.9		"	10.0		98.7	63-141		2.11	30	
Trichloroethylene	9.6		"	10.0		95.9	82-128		4.39	30	
Trichlorofluoromethane	11		"	10.0		105	67-139		3.73	30	
Vinyl Chloride	11		"	10.0		108	58-145		3.38	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	9.83		"	10.0		98.3	69-130				
Surrogate: SURR: Toluene-d8	9.82		"	10.0		98.2	81-117				
Surrogate: SURR: p-Bromofluorobenzene	10.2		"	10.0		102	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 BD00786 - EPA 3550C											
Blank (BD00786-BLK1)										Prepared & Analyzed: 04/20/2020	
1,1-Biphenyl	ND	41.3	ug/kg wet								
1,2,4,5-Tetrachlorobenzene	ND	82.5	"								
1,2,4-Trichlorobenzene	ND	41.3	"								
1,2-Dichlorobenzene	ND	41.3	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	41.3	"								
1,3-Dichlorobenzene	ND	41.3	"								
1,4-Dichlorobenzene	ND	41.3	"								
2,3,4,6-Tetrachlorophenol	ND	82.5	"								
2,4,5-Trichlorophenol	ND	41.3	"								
2,4,6-Trichlorophenol	ND	41.3	"								
2,4-Dichlorophenol	ND	41.3	"								
2,4-Dimethylphenol	ND	41.3	"								
2,4-Dinitrophenol	ND	82.5	"								
2,4-Dinitrotoluene	ND	41.3	"								
2,6-Dinitrotoluene	ND	41.3	"								
2-Chloronaphthalene	ND	41.3	"								
2-Chlorophenol	ND	41.3	"								
2-Methylnaphthalene	ND	41.3	"								
2-Methylphenol	ND	41.3	"								
2-Nitroaniline	ND	82.5	"								
2-Nitrophenol	ND	41.3	"								
3- & 4-Methylphenols	ND	41.3	"								
3,3-Dichlorobenzidine	ND	41.3	"								
3-Nitroaniline	ND	82.5	"								
4,6-Dinitro-2-methylphenol	ND	82.5	"								
4-Bromophenyl phenyl ether	ND	41.3	"								
4-Chloro-3-methylphenol	ND	41.3	"								
4-Chloroaniline	ND	41.3	"								
4-Chlorophenyl phenyl ether	ND	41.3	"								
4-Nitroaniline	ND	82.5	"								
4-Nitrophenol	ND	82.5	"								
Acenaphthene	ND	41.3	"								
Acenaphthylene	ND	41.3	"								
Acetophenone	ND	41.3	"								
Aniline	ND	165	"								
Anthracene	ND	41.3	"								
Atrazine	ND	41.3	"								
Benzaldehyde	ND	41.3	"								
Benzidine	ND	165	"								
Benzo(a)anthracene	ND	41.3	"								
Benzo(a)pyrene	ND	41.3	"								
Benzo(b)fluoranthene	ND	41.3	"								
Benzo(g,h,i)perylene	ND	41.3	"								
Benzo(k)fluoranthene	ND	41.3	"								
Benzoic acid	ND	41.3	"								
Benzyl alcohol	ND	41.3	"								
Benzyl butyl phthalate	ND	41.3	"								
Bis(2-chloroethoxy)methane	ND	41.3	"								
Bis(2-chloroethyl)ether	ND	41.3	"								
Bis(2-chloroisopropyl)ether	ND	41.3	"								
Bis(2-ethylhexyl)phthalate	ND	41.3	"								



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 BD00786 - EPA 3550C

Blank (BD00786-BLK1)

Prepared & Analyzed: 04/20/2020

Caprolactam	ND	82.5	ug/kg wet								
Carbazole	ND	41.3	"								
Chrysene	ND	41.3	"								
Dibenzo(a,h)anthracene	ND	41.3	"								
Dibenzofuran	ND	41.3	"								
Diethyl phthalate	ND	41.3	"								
Dimethyl phthalate	ND	41.3	"								
Di-n-butyl phthalate	ND	41.3	"								
Di-n-octyl phthalate	ND	41.3	"								
Fluoranthene	ND	41.3	"								
Fluorene	ND	41.3	"								
Hexachlorobenzene	ND	41.3	"								
Hexachlorobutadiene	ND	41.3	"								
Hexachlorocyclopentadiene	ND	41.3	"								
Hexachloroethane	ND	41.3	"								
Indeno(1,2,3-cd)pyrene	ND	41.3	"								
Isophorone	ND	41.3	"								
Naphthalene	ND	41.3	"								
Nitrobenzene	ND	41.3	"								
N-Nitrosodimethylamine	ND	41.3	"								
N-nitroso-di-n-propylamine	ND	41.3	"								
N-Nitrosodiphenylamine	ND	41.3	"								
Pentachlorophenol	ND	41.3	"								
Phenanthrene	ND	41.3	"								
Phenol	ND	41.3	"								
Pyrene	ND	41.3	"								
Surrogate: SURR: 2-Fluorophenol	1230		"	1650		74.3	20-108				
Surrogate: SURR: Phenol-d5	1260		"	1650		76.5	23-114				
Surrogate: SURR: Nitrobenzene-d5	834		"	825		101	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	664		"	825		80.5	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1800		"	1650		109	19-110				
Surrogate: SURR: Terphenyl-d14	897		"	825		109	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 BD00786 - EPA 3550C											
LCS (BD00786-BS1)						Prepared & Analyzed: 04/20/2020					
1,1-Biphenyl	651	41.3	ug/kg wet	825		79.0	22-103				
1,2,4,5-Tetrachlorobenzene	697	82.5	"	825		84.5	10-144				
1,2,4-Trichlorobenzene	627	41.3	"	825		76.0	23-130				
1,2-Dichlorobenzene	565	41.3	"	825		68.4	26-113				
1,2-Diphenylhydrazine (as Azobenzene)	778	41.3	"	825		94.3	10-140				
1,3-Dichlorobenzene	563	41.3	"	825		68.2	32-113				
1,4-Dichlorobenzene	565	41.3	"	825		68.5	28-111				
2,3,4,6-Tetrachlorophenol	819	82.5	"	825		99.2	30-130				
2,4,5-Trichlorophenol	589	41.3	"	825		71.4	14-138				
2,4,6-Trichlorophenol	640	41.3	"	825		77.6	27-122				
2,4-Dichlorophenol	697	41.3	"	825		84.5	23-133				
2,4-Dimethylphenol	693	41.3	"	825		84.0	15-131				
2,4-Dinitrophenol	93.4	82.5	"	825		11.3	10-149				
2,4-Dinitrotoluene	730	41.3	"	825		88.5	30-123				
2,6-Dinitrotoluene	731	41.3	"	825		88.6	30-125				
2-Chloronaphthalene	582	41.3	"	825		70.5	22-115				
2-Chlorophenol	596	41.3	"	825		72.3	25-121				
2-Methylnaphthalene	733	41.3	"	825		88.8	16-127				
2-Methylphenol	578	41.3	"	825		70.0	10-146				
2-Nitroaniline	748	82.5	"	825		90.7	24-126				
2-Nitrophenol	717	41.3	"	825		86.8	17-129				
3- & 4-Methylphenols	505	41.3	"	825		61.2	20-109				
3,3-Dichlorobenzidine	608	41.3	"	825		73.7	10-147				
3-Nitroaniline	590	82.5	"	825		71.6	23-123				
4,6-Dinitro-2-methylphenol	522	82.5	"	825		63.2	10-149				
4-Bromophenyl phenyl ether	704	41.3	"	825		85.3	30-138				
4-Chloro-3-methylphenol	796	41.3	"	825		96.4	16-138				
4-Chloroaniline	460	41.3	"	825		55.8	10-117				
4-Chlorophenyl phenyl ether	714	41.3	"	825		86.5	18-132				
4-Nitroaniline	674	82.5	"	825		81.6	14-125				
4-Nitrophenol	841	82.5	"	825		102	10-136				
Acenaphthene	660	41.3	"	825		80.0	17-124				
Acenaphthylene	622	41.3	"	825		75.4	16-124				
Acetophenone	608	41.3	"	825		73.7	28-105				
Aniline	479	165	"	825		58.0	10-111				
Anthracene	675	41.3	"	825		81.8	24-124				
Atrazine	711	41.3	"	825		86.2	22-120				
Benzaldehyde	548	41.3	"	825		66.4	21-100				
Benzo(a)anthracene	683	41.3	"	825		82.7	25-134				
Benzo(a)pyrene	691	41.3	"	825		83.7	29-144				
Benzo(b)fluoranthene	772	41.3	"	825		93.5	20-151				
Benzo(g,h,i)perylene	678	41.3	"	825		82.2	10-153				
Benzo(k)fluoranthene	656	41.3	"	825		79.5	10-148				
Benzoic acid	87.1	41.3	"	825		10.6	10-116				
Benzyl alcohol	741	41.3	"	825		89.8	17-128				
Benzyl butyl phthalate	805	41.3	"	825		97.6	10-132				
Bis(2-chloroethoxy)methane	671	41.3	"	825		81.3	10-129				
Bis(2-chloroethyl)ether	666	41.3	"	825		80.8	14-125				
Bis(2-chloroisopropyl)ether	850	41.3	"	825		103	14-122				
Bis(2-ethylhexyl)phthalate	901	41.3	"	825		109	10-141				
Caprolactam	738	82.5	"	825		89.4	10-123				



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 BD00786 - EPA 3550C

LCS (BD00786-BS1)

Prepared & Analyzed: 04/20/2020

Carbazole	643	41.3	ug/kg wet	825		77.9	31-120				
Chrysene	668	41.3	"	825		80.9	24-116				
Dibenzo(a,h)anthracene	748	41.3	"	825		90.7	17-147				
Dibenzofuran	661	41.3	"	825		80.1	23-123				
Diethyl phthalate	722	41.3	"	825		87.5	23-122				
Dimethyl phthalate	688	41.3	"	825		83.4	28-127				
Di-n-butyl phthalate	711	41.3	"	825		86.2	19-123				
Di-n-octyl phthalate	993	41.3	"	825		120	10-132				
Fluoranthene	721	41.3	"	825		87.4	36-125				
Fluorene	711	41.3	"	825		86.2	16-130				
Hexachlorobenzene	717	41.3	"	825		87.0	10-129				
Hexachlorobutadiene	702	41.3	"	825		85.1	22-153				
Hexachlorocyclopentadiene	281	41.3	"	825		34.0	10-134				
Hexachloroethane	636	41.3	"	825		77.1	20-112				
Indeno(1,2,3-cd)pyrene	716	41.3	"	825		86.8	10-155				
Isophorone	755	41.3	"	825		91.5	14-131				
Naphthalene	685	41.3	"	825		83.0	20-121				
Nitrobenzene	754	41.3	"	825		91.4	20-121				
N-Nitrosodimethylamine	461	41.3	"	825		55.9	10-124				
N-nitroso-di-n-propylamine	747	41.3	"	825		90.6	21-119				
N-Nitrosodiphenylamine	798	41.3	"	825		96.7	10-163				
Pentachlorophenol	483	41.3	"	825		58.5	10-143				
Phenanthrene	699	41.3	"	825		84.7	24-123				
Phenol	672	41.3	"	825		81.5	15-123				
Pyrene	672	41.3	"	825		81.4	24-132				
Surrogate: SURR: 2-Fluorophenol	1190		"	1650		72.1	20-108				
Surrogate: SURR: Phenol-d5	1290		"	1650		78.3	23-114				
Surrogate: SURR: Nitrobenzene-d5	812		"	825		98.4	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	660		"	825		80.0	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1740		"	1650		105	19-110				
Surrogate: SURR: Terphenyl-d14	810		"	825		98.1	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD00791 - EPA 3510C											
Blank (BD00791-BLK1)										Prepared & Analyzed: 04/20/2020	
1,1-Biphenyl	ND	5.00	ug/L								
1,2,4,5-Tetrachlorobenzene	ND	5.00	"								
1,2,4-Trichlorobenzene	ND	5.00	"								
1,2-Dichlorobenzene	ND	5.00	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"								
1,3-Dichlorobenzene	ND	5.00	"								
1,4-Dichlorobenzene	ND	5.00	"								
2,3,4,6-Tetrachlorophenol	ND	1.25	"								
2,4,5-Trichlorophenol	ND	1.25	"								
2,4,6-Trichlorophenol	ND	1.25	"								
2,4-Dichlorophenol	ND	1.25	"								
2,4-Dimethylphenol	ND	1.25	"								
2,4-Dinitrophenol	ND	1.25	"								
2,4-Dinitrotoluene	ND	5.00	"								
2,6-Dinitrotoluene	ND	5.00	"								
2-Chloronaphthalene	ND	5.00	"								
2-Chlorophenol	ND	1.25	"								
2-Methylnaphthalene	ND	5.00	"								
2-Methylphenol	ND	1.25	"								
2-Nitroaniline	ND	5.00	"								
2-Nitrophenol	ND	1.25	"								
3- & 4-Methylphenols	ND	1.25	"								
3,3-Dichlorobenzidine	ND	5.00	"								
3-Nitroaniline	ND	5.00	"								
4,6-Dinitro-2-methylphenol	ND	1.25	"								
4-Bromophenyl phenyl ether	ND	5.00	"								
4-Chloro-3-methylphenol	ND	1.25	"								
4-Chloroaniline	ND	5.00	"								
4-Chlorophenyl phenyl ether	ND	5.00	"								
4-Nitroaniline	ND	5.00	"								
4-Nitrophenol	ND	1.25	"								
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	20.0	"								
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	50.0	"								
Benzyl alcohol	ND	5.00	"								
Benzyl butyl phthalate	ND	5.00	"								
Bis(2-chloroethoxy)methane	ND	5.00	"								
Bis(2-chloroethyl)ether	ND	1.25	"								
Bis(2-chloroisopropyl)ether	ND	5.00	"								
Bis(2-ethylhexyl)phthalate	ND	0.500	"								



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 BD00791 - EPA 3510C

Blank (BD00791-BLK1)

Prepared & Analyzed: 04/20/2020

Caprolactam	ND	5.00	ug/L								
Carbazole	ND	5.00	"								
Chrysene	ND	0.0500	"								
Dibenzo(a,h)anthracene	ND	0.0500	"								
Dibenzofuran	ND	5.00	"								
Diethyl phthalate	ND	5.00	"								
Dimethyl phthalate	ND	5.00	"								
Di-n-butyl phthalate	ND	5.00	"								
Di-n-octyl phthalate	ND	5.00	"								
Fluoranthene	ND	0.0500	"								
Fluorene	ND	0.0500	"								
Hexachlorobenzene	ND	0.0200	"								
Hexachlorobutadiene	ND	0.500	"								
Hexachlorocyclopentadiene	ND	5.00	"								
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	1.25	"								
Pyrene	ND	0.0500	"								
Pyridine	ND	5.00	"								
Surrogate: SURR: 2-Fluorophenol	18.0		"	50.0		36.0	19.7-63.1				
Surrogate: SURR: Phenol-d5	10.1		"	50.0		20.2	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	21.6		"	25.0		86.5	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	17.4		"	25.0		69.4	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	40.4		"	50.0		80.8	39.3-151				
Surrogate: SURR: Terphenyl-d14	23.4		"	25.0		93.7	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
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Batch BD00791 - EPA 3510C

Blank (BD00791-BLK2)

Prepared & Analyzed: 04/20/2020

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	ND	0.0500	"

LCS (BD00791-BS1)

Prepared & Analyzed: 04/20/2020

1,1-Biphenyl	17.0	5.00	ug/L	25.0	67.8	21-102
1,2,4,5-Tetrachlorobenzene	18.1	5.00	"	25.1	72.1	28-105
1,2,4-Trichlorobenzene	16.0	5.00	"	25.0	63.8	35-91
1,2-Dichlorobenzene	14.5	5.00	"	25.0	57.9	42-85
1,2-Diphenylhydrazine (as Azobenzene)	17.1	5.00	"	25.0	68.4	16-137
1,3-Dichlorobenzene	14.1	5.00	"	25.0	56.5	45-80
1,4-Dichlorobenzene	14.2	5.00	"	25.0	56.8	42-82
2,3,4,6-Tetrachlorophenol	22.9	1.25	"	25.0	91.6	30-130
2,4,5-Trichlorophenol	16.6	1.25	"	25.0	66.3	36-112
2,4,6-Trichlorophenol	17.8	1.25	"	25.0	71.1	41-107
2,4-Dichlorophenol	18.1	1.25	"	25.0	72.4	43-92
2,4-Dimethylphenol	17.2	1.25	"	25.0	68.8	25-92
2,4-Dinitrophenol	19.2	1.25	"	25.0	76.9	10-149
2,4-Dinitrotoluene	20.9	5.00	"	25.0	83.6	41-114
2,6-Dinitrotoluene	22.0	5.00	"	25.0	88.0	49-106
2-Chloronaphthalene	15.5	5.00	"	25.0	62.0	40-96
2-Chlorophenol	14.6	1.25	"	25.0	58.6	35-84
2-Methylnaphthalene	18.7	5.00	"	25.0	74.8	33-101
2-Methylphenol	11.6	1.25	"	25.0	46.2	10-90
2-Nitroaniline	22.1	5.00	"	25.0	88.3	31-122
2-Nitrophenol	23.3	1.25	"	25.0	93.1	37-97
3- & 4-Methylphenols	9.14	1.25	"	25.0	36.6	10-101
3,3-Dichlorobenzidine	18.5	5.00	"	25.0	73.8	25-155
3-Nitroaniline	18.2	5.00	"	25.0	72.6	29-128
4,6-Dinitro-2-methylphenol	25.8	1.25	"	25.0	103	10-135



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 BD00791 - EPA 3510C											
LCS (BD00791-BS1)						Prepared & Analyzed: 04/20/2020					
4-Bromophenyl phenyl ether	17.6	5.00	ug/L	25.0		70.5	38-116				
4-Chloro-3-methylphenol	18.7	1.25	"	25.0		74.6	28-101				
4-Chloroaniline	13.4	5.00	"	25.0		53.4	10-154				
4-Chlorophenyl phenyl ether	17.2	5.00	"	25.0		68.8	34-112				
4-Nitroaniline	20.9	5.00	"	25.0		83.5	15-143				
4-Nitrophenol	14.2	1.25	"	25.0		56.7	10-112				
Acenaphthene	16.7	0.0500	"	25.0		66.7	24-114				
Acenaphthylene	16.3	0.0500	"	25.0		65.2	26-112				
Acetophenone	17.5	5.00	"	25.0		70.0	47-92				
Aniline	12.4	5.00	"	25.0		49.6	10-107				
Anthracene	19.9	0.0500	"	25.0		79.6	35-114				
Atrazine	20.0	0.500	"	25.0		79.8	43-101				
Benzaldehyde	16.9	5.00	"	25.0		67.7	17-117				
Benzo(a)anthracene	21.4	0.0500	"	25.0		85.7	38-127				
Benzo(a)pyrene	21.4	0.0500	"	25.0		85.4	30-146				
Benzo(b)fluoranthene	21.8	0.0500	"	25.0		87.0	36-145				
Benzo(g,h,i)perylene	20.3	0.0500	"	25.0		81.1	10-163				
Benzo(k)fluoranthene	19.5	0.0500	"	25.0		78.1	16-149				
Benzoic acid	ND	50.0	"	25.0			30-130	Low Bias			
Benzyl alcohol	12.6	5.00	"	25.0		50.6	18-75				
Benzyl butyl phthalate	24.4	5.00	"	25.0		97.4	28-129				
Bis(2-chloroethoxy)methane	17.1	5.00	"	25.0		68.4	27-112				
Bis(2-chloroethyl)ether	15.7	1.25	"	25.0		62.7	24-114				
Bis(2-chloroisopropyl)ether	18.7	5.00	"	25.0		74.9	21-124				
Bis(2-ethylhexyl)phthalate	23.7	0.500	"	25.0		94.6	10-171				
Caprolactam	2.93	5.00	"	25.0		11.7	10-29				
Carbazole	19.0	5.00	"	25.0		76.1	49-116				
Chrysene	19.6	0.0500	"	25.0		78.6	33-120				
Dibenzo(a,h)anthracene	21.6	0.0500	"	25.0		86.4	10-149				
Dibenzofuran	17.2	5.00	"	25.0		68.6	42-105				
Diethyl phthalate	18.3	5.00	"	25.0		73.1	38-112				
Dimethyl phthalate	18.4	5.00	"	25.0		73.4	49-106				
Di-n-butyl phthalate	19.9	5.00	"	25.0		79.7	36-110				
Di-n-octyl phthalate	26.4	5.00	"	25.0		106	12-149				
Fluoranthene	20.1	0.0500	"	25.0		80.4	33-126				
Fluorene	17.7	0.0500	"	25.0		70.7	28-117				
Hexachlorobenzene	18.5	0.0200	"	25.0		74.2	27-120				
Hexachlorobutadiene	14.9	0.500	"	25.0		59.7	25-106				
Hexachlorocyclopentadiene	13.1	5.00	"	25.0		52.6	10-99				
Hexachloroethane	14.0	0.500	"	25.0		56.2	33-84				
Indeno(1,2,3-cd)pyrene	23.8	0.0500	"	25.0		95.2	10-150				
Isophorone	17.9	5.00	"	25.0		71.4	29-115				
Naphthalene	17.3	0.0500	"	25.0		69.4	30-99				
Nitrobenzene	19.0	0.250	"	25.0		75.9	32-113				
N-Nitrosodimethylamine	6.72	0.500	"	25.0		26.9	10-63				
N-nitroso-di-n-propylamine	16.0	5.00	"	25.0		63.9	36-118				
N-Nitrosodiphenylamine	20.6	5.00	"	25.0		82.6	27-145				
Pentachlorophenol	15.5	0.250	"	25.0		62.0	19-127				
Phenanthrene	19.9	0.0500	"	25.0		79.6	31-112				
Phenol	6.70	1.25	"	25.0		26.8	10-37				
Pyrene	22.5	0.0500	"	25.0		89.8	42-125				



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 BD00791 - EPA 3510C

LCS (BD00791-BS1)

Prepared & Analyzed: 04/20/2020

Pyridine	7.35	5.00	ug/L	27.5		26.7	10-46				
Surrogate: SURR: 2-Fluorophenol	17.3		"	50.0		34.6	19.7-63.1				
Surrogate: SURR: Phenol-d5	10.4		"	50.0		20.8	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	19.1		"	25.0		76.3	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	15.6		"	25.0		62.6	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	37.4		"	50.0		74.8	39.3-151				
Surrogate: SURR: Terphenyl-d14	22.2		"	25.0		88.9	30.7-106				

LCS (BD00791-BS2)

Prepared & Analyzed: 04/20/2020

Acenaphthene	0.750	0.0500	ug/L	1.00		75.0	24-114				
Acenaphthylene	0.740	0.0500	"	1.00		74.0	26-112				
Anthracene	0.810	0.0500	"	1.00		81.0	35-114				
Atrazine	ND	0.500	"				43-101				
Benzo(a)anthracene	0.890	0.0500	"	1.00		89.0	38-127				
Benzo(a)pyrene	0.930	0.0500	"	1.00		93.0	30-146				
Benzo(b)fluoranthene	1.02	0.0500	"	1.00		102	36-145				
Benzo(g,h,i)perylene	0.990	0.0500	"	1.00		99.0	10-163				
Benzo(k)fluoranthene	0.970	0.0500	"	1.00		97.0	16-149				
Bis(2-ethylhexyl)phthalate	1.35	0.500	"	1.00		135	10-171				
Chrysene	0.870	0.0500	"	1.00		87.0	33-120				
Dibenzo(a,h)anthracene	1.05	0.0500	"	1.00		105	10-149				
Fluoranthene	0.940	0.0500	"	1.00		94.0	33-126				
Fluorene	0.840	0.0500	"	1.00		84.0	28-117				
Hexachlorobenzene	0.630	0.0200	"	1.00		63.0	27-120				
Hexachlorobutadiene	0.720	0.500	"	1.00		72.0	25-106				
Hexachloroethane	0.810	0.500	"	1.00		81.0	33-84				
Indeno(1,2,3-cd)pyrene	1.02	0.0500	"	1.00		102	10-150				
Naphthalene	0.790	0.0500	"	1.00		79.0	30-99				
Nitrobenzene	1.14	0.250	"	1.00		114	32-113	High Bias			
N-Nitrosodimethylamine	ND	0.500	"	1.00			10-63	Low Bias			
Pentachlorophenol	0.630	0.250	"	1.00		63.0	19-127				
Phenanthrene	0.830	0.0500	"	1.00		83.0	31-112				
Pyrene	0.840	0.0500	"	1.00		84.0	42-125				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Flag	RPD	RPD	Limit	Flag
		Limit		Level	Result		Limits		Limit			
Batch BD00851 - EPA 3550C												
Blank (BD00851-BLK1)												
Prepared & Analyzed: 04/21/2020												
1,1-Biphenyl	ND	41.2	ug/kg wet									
1,2,4,5-Tetrachlorobenzene	ND	82.2	"									
1,2,4-Trichlorobenzene	ND	41.2	"									
1,2-Dichlorobenzene	ND	41.2	"									
1,2-Diphenylhydrazine (as Azobenzene)	ND	41.2	"									
1,3-Dichlorobenzene	ND	41.2	"									
1,4-Dichlorobenzene	ND	41.2	"									
2,3,4,6-Tetrachlorophenol	ND	82.2	"									
2,4,5-Trichlorophenol	ND	41.2	"									
2,4,6-Trichlorophenol	ND	41.2	"									
2,4-Dichlorophenol	ND	41.2	"									
2,4-Dimethylphenol	ND	41.2	"									
2,4-Dinitrophenol	ND	82.2	"									
2,4-Dinitrotoluene	ND	41.2	"									
2,6-Dinitrotoluene	ND	41.2	"									
2-Chloronaphthalene	ND	41.2	"									
2-Chlorophenol	ND	41.2	"									
2-Methylnaphthalene	ND	41.2	"									
2-Methylphenol	ND	41.2	"									
2-Nitroaniline	ND	82.2	"									
2-Nitrophenol	ND	41.2	"									
3- & 4-Methylphenols	ND	41.2	"									
3,3-Dichlorobenzidine	ND	41.2	"									
3-Nitroaniline	ND	82.2	"									
4,6-Dinitro-2-methylphenol	ND	82.2	"									
4-Bromophenyl phenyl ether	ND	41.2	"									
4-Chloro-3-methylphenol	ND	41.2	"									
4-Chloroaniline	ND	41.2	"									
4-Chlorophenyl phenyl ether	ND	41.2	"									
4-Nitroaniline	ND	82.2	"									
4-Nitrophenol	ND	82.2	"									
Acenaphthene	ND	41.2	"									
Acenaphthylene	ND	41.2	"									
Acetophenone	ND	41.2	"									
Aniline	ND	165	"									
Anthracene	ND	41.2	"									
Atrazine	ND	41.2	"									
Benzaldehyde	ND	41.2	"									
Benzidine	ND	165	"									
Benzo(a)anthracene	ND	41.2	"									
Benzo(a)pyrene	ND	41.2	"									
Benzo(b)fluoranthene	ND	41.2	"									
Benzo(g,h,i)perylene	ND	41.2	"									
Benzo(k)fluoranthene	ND	41.2	"									
Benzoic acid	ND	41.2	"									
Benzyl alcohol	ND	41.2	"									
Benzyl butyl phthalate	ND	41.2	"									
Bis(2-chloroethoxy)methane	ND	41.2	"									
Bis(2-chloroethyl)ether	ND	41.2	"									
Bis(2-chloroisopropyl)ether	ND	41.2	"									
Bis(2-ethylhexyl)phthalate	ND	41.2	"									



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 BD00851 - EPA 3550C

Blank (BD00851-BLK1)

Prepared & Analyzed: 04/21/2020

Caprolactam	ND	82.2	ug/kg wet								
Carbazole	ND	41.2	"								
Chrysene	ND	41.2	"								
Dibenzo(a,h)anthracene	ND	41.2	"								
Dibenzofuran	ND	41.2	"								
Diethyl phthalate	ND	41.2	"								
Dimethyl phthalate	ND	41.2	"								
Di-n-butyl phthalate	ND	41.2	"								
Di-n-octyl phthalate	ND	41.2	"								
Fluoranthene	ND	41.2	"								
Fluorene	ND	41.2	"								
Hexachlorobenzene	ND	41.2	"								
Hexachlorobutadiene	ND	41.2	"								
Hexachlorocyclopentadiene	ND	41.2	"								
Hexachloroethane	ND	41.2	"								
Indeno(1,2,3-cd)pyrene	ND	41.2	"								
Isophorone	ND	41.2	"								
Naphthalene	ND	41.2	"								
Nitrobenzene	ND	41.2	"								
N-Nitrosodimethylamine	ND	41.2	"								
N-nitroso-di-n-propylamine	ND	41.2	"								
N-Nitrosodiphenylamine	ND	41.2	"								
Pentachlorophenol	ND	41.2	"								
Phenanthrene	ND	41.2	"								
Phenol	ND	41.2	"								
Pyrene	ND	41.2	"								
Surrogate: SURR: 2-Fluorophenol	913		"	1640		55.5	20-108				
Surrogate: SURR: Phenol-d5	965		"	1640		58.7	23-114				
Surrogate: SURR: Nitrobenzene-d5	588		"	822		71.5	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	478		"	822		58.1	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1370		"	1640		83.2	19-110				
Surrogate: SURR: Terphenyl-d14	651		"	822		79.1	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD00851 - EPA 3550C											
LCS (BD00851-BS1)						Prepared & Analyzed: 04/21/2020					
1,1-Biphenyl	480	41.2	ug/kg wet	822		58.3	22-103				
1,2,4,5-Tetrachlorobenzene	514	82.2	"	822		62.5	10-144				
1,2,4-Trichlorobenzene	475	41.2	"	822		57.7	23-130				
1,2-Dichlorobenzene	465	41.2	"	822		56.6	26-113				
1,2-Diphenylhydrazine (as Azobenzene)	549	41.2	"	822		66.8	10-140				
1,3-Dichlorobenzene	442	41.2	"	822		53.7	32-113				
1,4-Dichlorobenzene	452	41.2	"	822		55.0	28-111				
2,3,4,6-Tetrachlorophenol	594	82.2	"	822		72.2	30-130				
2,4,5-Trichlorophenol	457	41.2	"	822		55.6	14-138				
2,4,6-Trichlorophenol	487	41.2	"	822		59.2	27-122				
2,4-Dichlorophenol	546	41.2	"	822		66.4	23-133				
2,4-Dimethylphenol	514	41.2	"	822		62.5	15-131				
2,4-Dinitrophenol	168	82.2	"	822		20.4	10-149				
2,4-Dinitrotoluene	547	41.2	"	822		66.5	30-123				
2,6-Dinitrotoluene	578	41.2	"	822		70.2	30-125				
2-Chloronaphthalene	447	41.2	"	822		54.3	22-115				
2-Chlorophenol	489	41.2	"	822		59.4	25-121				
2-Methylnaphthalene	565	41.2	"	822		68.8	16-127				
2-Methylphenol	450	41.2	"	822		54.7	10-146				
2-Nitroaniline	557	82.2	"	822		67.7	24-126				
2-Nitrophenol	560	41.2	"	822		68.1	17-129				
3- & 4-Methylphenols	425	41.2	"	822		51.6	20-109				
3,3-Dichlorobenzidine	520	41.2	"	822		63.2	10-147				
3-Nitroaniline	472	82.2	"	822		57.4	23-123				
4,6-Dinitro-2-methylphenol	451	82.2	"	822		54.9	10-149				
4-Bromophenyl phenyl ether	525	41.2	"	822		63.8	30-138				
4-Chloro-3-methylphenol	617	41.2	"	822		75.1	16-138				
4-Chloroaniline	411	41.2	"	822		49.9	10-117				
4-Chlorophenyl phenyl ether	520	41.2	"	822		63.3	18-132				
4-Nitroaniline	522	82.2	"	822		63.5	14-125				
4-Nitrophenol	619	82.2	"	822		75.3	10-136				
Acenaphthene	488	41.2	"	822		59.4	17-124				
Acenaphthylene	457	41.2	"	822		55.6	16-124				
Acetophenone	486	41.2	"	822		59.1	28-105				
Aniline	412	165	"	822		50.1	10-111				
Anthracene	527	41.2	"	822		64.1	24-124				
Atrazine	535	41.2	"	822		65.0	22-120				
Benzaldehyde	462	41.2	"	822		56.1	21-100				
Benzo(a)anthracene	514	41.2	"	822		62.5	25-134				
Benzo(a)pyrene	482	41.2	"	822		58.6	29-144				
Benzo(b)fluoranthene	533	41.2	"	822		64.8	20-151				
Benzo(g,h,i)perylene	496	41.2	"	822		60.3	10-153				
Benzo(k)fluoranthene	452	41.2	"	822		54.9	10-148				
Benzoic acid	111	41.2	"	822		13.5	10-116				
Benzyl alcohol	577	41.2	"	822		70.2	17-128				
Benzyl butyl phthalate	583	41.2	"	822		70.8	10-132				
Bis(2-chloroethoxy)methane	507	41.2	"	822		61.6	10-129				
Bis(2-chloroethyl)ether	537	41.2	"	822		65.3	14-125				
Bis(2-chloroisopropyl)ether	673	41.2	"	822		81.8	14-122				
Bis(2-ethylhexyl)phthalate	601	41.2	"	822		73.1	10-141				
Caprolactam	589	82.2	"	822		71.7	10-123				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

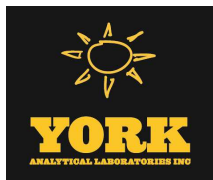
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BD00851 - EPA 3550C

LCS (BD00851-BS1)

Prepared & Analyzed: 04/21/2020

Carbazole	494	41.2	ug/kg wet	822		60.1	31-120				
Chrysene	489	41.2	"	822		59.4	24-116				
Dibenzo(a,h)anthracene	570	41.2	"	822		69.3	17-147				
Dibenzofuran	487	41.2	"	822		59.2	23-123				
Diethyl phthalate	518	41.2	"	822		63.0	23-122				
Dimethyl phthalate	499	41.2	"	822		60.7	28-127				
Di-n-butyl phthalate	520	41.2	"	822		63.2	19-123				
Di-n-octyl phthalate	652	41.2	"	822		79.3	10-132				
Fluoranthene	544	41.2	"	822		66.2	36-125				
Fluorene	524	41.2	"	822		63.7	16-130				
Hexachlorobenzene	506	41.2	"	822		61.5	10-129				
Hexachlorobutadiene	511	41.2	"	822		62.2	22-153				
Hexachlorocyclopentadiene	250	41.2	"	822		30.4	10-134				
Hexachloroethane	450	41.2	"	822		54.7	20-112				
Indeno(1,2,3-cd)pyrene	543	41.2	"	822		66.1	10-155				
Isophorone	543	41.2	"	822		66.0	14-131				
Naphthalene	524	41.2	"	822		63.7	20-121				
Nitrobenzene	525	41.2	"	822		63.9	20-121				
N-Nitrosodimethylamine	294	41.2	"	822		35.8	10-124				
N-nitroso-di-n-propylamine	580	41.2	"	822		70.5	21-119				
N-Nitrosodiphenylamine	632	41.2	"	822		76.8	10-163				
Pentachlorophenol	409	41.2	"	822		49.7	10-143				
Phenanthrene	532	41.2	"	822		64.7	24-123				
Phenol	534	41.2	"	822		64.9	15-123				
Pyrene	533	41.2	"	822		64.8	24-132				
Surrogate: SURR: 2-Fluorophenol	904		"	1640		55.0	20-108				
Surrogate: SURR: Phenol-d5	1020		"	1640		61.7	23-114				
Surrogate: SURR: Nitrobenzene-d5	586		"	822		71.2	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	488		"	822		59.4	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1340		"	1640		81.7	19-110				
Surrogate: SURR: Terphenyl-d14	623		"	822		75.8	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 BD00764 - EPA SW846-3510C Low Level

Blank (BD00764-BLK1)

Prepared: 04/17/2020 Analyzed: 04/21/2020

4,4'-DDD	ND	0.00400	ug/L								
4,4'-DDE	ND	0.00400	"								
4,4'-DDT	ND	0.00400	"								
Aldrin	ND	0.00400	"								
alpha-BHC	ND	0.00400	"								
alpha-Chlordane	ND	0.00400	"								
beta-BHC	ND	0.00400	"								
Chlordane, total	ND	0.0200	"								
delta-BHC	ND	0.00400	"								
Dieldrin	ND	0.00200	"								
Endosulfan I	ND	0.00400	"								
Endosulfan II	ND	0.00400	"								
Endosulfan sulfate	ND	0.00400	"								
Endrin	ND	0.00400	"								
Endrin aldehyde	ND	0.0100	"								
Endrin ketone	ND	0.0100	"								
gamma-BHC (Lindane)	ND	0.00400	"								
gamma-Chlordane	ND	0.0100	"								
Heptachlor	ND	0.00400	"								
Heptachlor epoxide	ND	0.00400	"								
Methoxychlor	ND	0.00400	"								
Toxaphene	ND	0.100	"								
Surrogate: Decachlorobiphenyl	0.190		"	0.200		94.9	30-150				
Surrogate: Tetrachloro-m-xylene	0.192		"	0.200		96.0	30-150				

LCS (BD00764-BS1)

Prepared: 04/17/2020 Analyzed: 04/21/2020

4,4'-DDD	0.119	0.00400	ug/L	0.100		119	40-140				
4,4'-DDE	0.113	0.00400	"	0.100		113	40-140				
4,4'-DDT	0.135	0.00400	"	0.100		135	40-140				
Aldrin	0.0751	0.00400	"	0.100		75.1	40-140				
alpha-BHC	0.0912	0.00400	"	0.100		91.2	40-140				
alpha-Chlordane	0.104	0.00400	"	0.100		104	40-140				
beta-BHC	0.101	0.00400	"	0.100		101	40-140				
delta-BHC	0.119	0.00400	"	0.100		119	40-140				
Dieldrin	0.112	0.00200	"	0.100		112	40-140				
Endosulfan I	0.107	0.00400	"	0.100		107	40-140				
Endosulfan II	0.119	0.00400	"	0.100		119	40-140				
Endosulfan sulfate	0.126	0.00400	"	0.100		126	40-140				
Endrin	0.118	0.00400	"	0.100		118	40-140				
Endrin aldehyde	0.116	0.0100	"	0.100		116	40-140				
Endrin ketone	0.121	0.0100	"	0.100		121	40-140				
gamma-BHC (Lindane)	0.0967	0.00400	"	0.100		96.7	40-140				
gamma-Chlordane	0.108	0.0100	"	0.100		108	40-140				
Heptachlor	0.117	0.00400	"	0.100		117	40-140				
Heptachlor epoxide	0.108	0.00400	"	0.100		108	40-140				
Methoxychlor	0.119	0.00400	"	0.100		119	40-140				
Surrogate: Decachlorobiphenyl	0.179		"	0.200		89.7	30-150				
Surrogate: Tetrachloro-m-xylene	0.188		"	0.200		94.1	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 BD00768 - EPA 3550C

Blank (BD00768-BLK1)

Prepared: 04/17/2020 Analyzed: 04/20/2020

4,4'-DDD	ND	1.64	ug/kg wet								
4,4'-DDE	ND	1.64	"								
4,4'-DDT	ND	1.64	"								
Aldrin	ND	1.64	"								
alpha-BHC	ND	1.64	"								
alpha-Chlordane	ND	1.64	"								
beta-BHC	ND	1.64	"								
Chlordane, total	ND	32.9	"								
delta-BHC	ND	1.64	"								
Dieldrin	ND	1.64	"								
Endosulfan I	ND	1.64	"								
Endosulfan II	ND	1.64	"								
Endosulfan sulfate	ND	1.64	"								
Endrin	ND	1.64	"								
Endrin aldehyde	ND	1.64	"								
Endrin ketone	ND	1.64	"								
gamma-BHC (Lindane)	ND	1.64	"								
gamma-Chlordane	ND	1.64	"								
Heptachlor	ND	1.64	"								
Heptachlor epoxide	ND	1.64	"								
Methoxychlor	ND	8.22	"								
Toxaphene	ND	83.2	"								
Surrogate: Decachlorobiphenyl	54.7		"	66.4		82.3	30-150				
Surrogate: Tetrachloro-m-xylene	54.8		"	66.4		82.5	30-150				

LCS (BD00768-BS1)

Prepared: 04/17/2020 Analyzed: 04/20/2020

4,4'-DDD	26.0	1.64	ug/kg wet	33.2		78.4	40-140				
4,4'-DDE	24.9	1.64	"	33.2		74.8	40-140				
4,4'-DDT	25.2	1.64	"	33.2		75.8	40-140				
Aldrin	30.7	1.64	"	33.2		92.3	40-140				
alpha-BHC	25.1	1.64	"	33.2		75.4	40-140				
alpha-Chlordane	26.5	1.64	"	33.2		79.7	40-140				
beta-BHC	25.8	1.64	"	33.2		77.6	40-140				
delta-BHC	27.7	1.64	"	33.2		83.5	40-140				
Dieldrin	27.0	1.64	"	33.2		81.2	40-140				
Endosulfan I	27.4	1.64	"	33.2		82.5	40-140				
Endosulfan II	27.0	1.64	"	33.2		81.3	40-140				
Endosulfan sulfate	29.5	1.64	"	33.2		88.8	40-140				
Endrin	27.0	1.64	"	33.2		81.2	40-140				
Endrin aldehyde	27.7	1.64	"	33.2		83.4	40-140				
Endrin ketone	27.5	1.64	"	33.2		82.8	40-140				
gamma-BHC (Lindane)	26.8	1.64	"	33.2		80.8	40-140				
gamma-Chlordane	25.9	1.64	"	33.2		78.1	40-140				
Heptachlor	29.8	1.64	"	33.2		89.7	40-140				
Heptachlor epoxide	27.2	1.64	"	33.2		81.9	40-140				
Methoxychlor	30.1	8.22	"	33.2		90.7	40-140				
Surrogate: Decachlorobiphenyl	51.9		"	66.4		78.1	30-150				
Surrogate: Tetrachloro-m-xylene	52.9		"	66.4		79.6	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 BD00787 - EPA 3550C

Blank (BD00787-BLK1)

Prepared: 04/20/2020 Analyzed: 04/21/2020

4,4'-DDD	ND	1.64	ug/kg wet								
4,4'-DDE	ND	1.64	"								
4,4'-DDT	ND	1.64	"								
Aldrin	ND	1.64	"								
alpha-BHC	ND	1.64	"								
alpha-Chlordane	ND	1.64	"								
beta-BHC	ND	1.64	"								
Chlordane, total	ND	32.9	"								
delta-BHC	ND	1.64	"								
Dieldrin	ND	1.64	"								
Endosulfan I	ND	1.64	"								
Endosulfan II	ND	1.64	"								
Endosulfan sulfate	ND	1.64	"								
Endrin	ND	1.64	"								
Endrin aldehyde	ND	1.64	"								
Endrin ketone	ND	1.64	"								
gamma-BHC (Lindane)	ND	1.64	"								
gamma-Chlordane	ND	1.64	"								
Heptachlor	ND	1.64	"								
Heptachlor epoxide	ND	1.64	"								
Methoxychlor	ND	8.22	"								
Toxaphene	ND	83.2	"								
Surrogate: Decachlorobiphenyl	58.8		"	66.4		88.6	30-150				
Surrogate: Tetrachloro-m-xylene	62.2		"	66.4		93.6	30-150				

LCS (BD00787-BS1)

Prepared: 04/20/2020 Analyzed: 04/21/2020

4,4'-DDD	30.9	1.64	ug/kg wet	33.2		93.1	40-140				
4,4'-DDE	28.8	1.64	"	33.2		86.6	40-140				
4,4'-DDT	30.7	1.64	"	33.2		92.3	40-140				
Aldrin	30.1	1.64	"	33.2		90.6	40-140				
alpha-BHC	28.4	1.64	"	33.2		85.4	40-140				
alpha-Chlordane	30.5	1.64	"	33.2		91.9	40-140				
beta-BHC	27.3	1.64	"	33.2		82.3	40-140				
delta-BHC	27.0	1.64	"	33.2		81.4	40-140				
Dieldrin	31.2	1.64	"	33.2		93.8	40-140				
Endosulfan I	31.5	1.64	"	33.2		94.8	40-140				
Endosulfan II	30.5	1.64	"	33.2		91.9	40-140				
Endosulfan sulfate	30.2	1.64	"	33.2		90.9	40-140				
Endrin	31.1	1.64	"	33.2		93.6	40-140				
Endrin aldehyde	28.9	1.64	"	33.2		87.1	40-140				
Endrin ketone	31.9	1.64	"	33.2		96.1	40-140				
gamma-BHC (Lindane)	30.2	1.64	"	33.2		91.0	40-140				
gamma-Chlordane	30.0	1.64	"	33.2		90.3	40-140				
Heptachlor	32.0	1.64	"	33.2		96.4	40-140				
Heptachlor epoxide	31.5	1.64	"	33.2		94.9	40-140				
Methoxychlor	35.3	8.22	"	33.2		106	40-140				
Surrogate: Decachlorobiphenyl	53.6		"	66.4		80.7	30-150				
Surrogate: Tetrachloro-m-xylene	56.2		"	66.4		84.6	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 Y0C0906 - BA00785

Performance Mix (Y0C0906-PEM1)

Prepared & Analyzed: 03/08/2020

4,4'-DDD	4.80		ng/mL	0.00			0-200			
4,4'-DDE	0.964		"	0.00			0-200			
4,4'-DDT	206		"	200		103	0-200			
Endrin	98.0		"	100		98.0	0-200			
Endrin aldehyde	0.511		"	0.00			0-200			
Endrin ketone	3.00		"	0.00			0-200			

Batch Y0D2110 - BD00543

Performance Mix (Y0D2110-PEM1)

Prepared & Analyzed: 04/20/2020

4,4'-DDD	10.4		ng/mL	0.00			0-200			
4,4'-DDE	1.89		"	0.00			0-200			
4,4'-DDT	201		"	200		100	0-200			
Endrin	114		"	100		114	0-200			
Endrin aldehyde	2.42		"	0.00			0-200			
Endrin ketone	4.51		"	0.00			0-200			

Batch Y0D2201 - BD00543

Performance Mix (Y0D2201-PEM1)

Prepared & Analyzed: 04/21/2020

4,4'-DDD	11.8		ng/mL	0.00			0-200			
4,4'-DDE	1.97		"	0.00			0-200			
4,4'-DDT	205		"	200		103	0-200			
Endrin	119		"	100		119	0-200			
Endrin aldehyde	2.56		"	0.00			0-200			
Endrin ketone	5.10		"	0.00			0-200			



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 Y0D2301 - BD00543

Performance Mix (Y0D2301-PEM1)

Prepared & Analyzed: 04/22/2020

4,4'-DDD	9.19		ng/mL	0.00			0-200			
4,4'-DDE	1.44		"	0.00			0-200			
4,4'-DDT	183		"	200		91.5	0-200			
Endrin	99.6		"	100		99.6	0-200			
Endrin aldehyde	1.59		"	0.00			0-200			
Endrin ketone	4.36		"	0.00			0-200			

Performance Mix (Y0D2301-PEM2)

Prepared & Analyzed: 04/22/2020

4,4'-DDD	10.3		ng/mL	0.00			0-200			
4,4'-DDE	1.32		"	0.00			0-200			
4,4'-DDT	195		"	200		97.4	0-200			
Endrin	105		"	100		105	0-200			
Endrin aldehyde	1.43		"	0.00			0-200			
Endrin ketone	5.19		"	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
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Batch BD00764 - EPA SW846-3510C Low Level

Blank (BD00764-BLK2)

Prepared: 04/17/2020 Analyzed: 04/20/2020

Aroclor 1016	ND	0.0500	ug/L								
Aroclor 1221	ND	0.0500	"								
Aroclor 1232	ND	0.0500	"								
Aroclor 1242	ND	0.0500	"								
Aroclor 1248	ND	0.0500	"								
Aroclor 1254	ND	0.0500	"								
Aroclor 1260	ND	0.0500	"								
Total PCBs	ND	0.0500	"								
Surrogate: Tetrachloro-m-xylene	0.181		"	0.200		90.5	30-120				
Surrogate: Decachlorobiphenyl	0.176		"	0.200		88.0	30-120				

LCS (BD00764-BS2)

Prepared: 04/17/2020 Analyzed: 04/20/2020

Aroclor 1016	0.986	0.0500	ug/L	1.00		98.6	40-120				
Aroclor 1260	0.920	0.0500	"	1.00		92.0	40-120				
Surrogate: Tetrachloro-m-xylene	0.175		"	0.200		87.5	30-120				
Surrogate: Decachlorobiphenyl	0.145		"	0.200		72.5	30-120				

Batch BD00768 - EPA 3550C

Blank (BD00768-BLK2)

Prepared: 04/17/2020 Analyzed: 04/20/2020

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	"								
Total PCBs	ND	0.0166	"								
Surrogate: Tetrachloro-m-xylene	0.0458		"	0.0664		69.0	30-140				
Surrogate: Decachlorobiphenyl	0.0452		"	0.0664		68.0	30-140				



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 BD00768 - EPA 3550C

LCS (BD00768-BS2)

Prepared: 04/17/2020 Analyzed: 04/20/2020

Aroclor 1016	0.254	0.0166	mg/kg wet	0.332		76.4	40-130				
Aroclor 1260	0.275	0.0166	"	0.332		82.8	40-130				
Surrogate: Tetrachloro-m-xylene	0.0458		"	0.0664		69.0	30-140				
Surrogate: Decachlorobiphenyl	0.0382		"	0.0664		57.5	30-140				

Batch BD00787 - EPA 3550C

Blank (BD00787-BLK2)

Prepared & Analyzed: 04/20/2020

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	"								
Total PCBs	ND	0.0166	"								
Surrogate: Tetrachloro-m-xylene	0.0571		"	0.0664		86.0	30-140				
Surrogate: Decachlorobiphenyl	0.0492		"	0.0664		74.0	30-140				

LCS (BD00787-BS2)

Prepared & Analyzed: 04/20/2020

Aroclor 1016	0.342	0.0166	mg/kg wet	0.332		103	40-130				
Aroclor 1260	0.358	0.0166	"	0.332		108	40-130				
Surrogate: Tetrachloro-m-xylene	0.0598		"	0.0664		90.0	30-140				
Surrogate: Decachlorobiphenyl	0.0528		"	0.0664		79.5	30-140				



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 BD00739 - EPA 3050B

Blank (BD00739-BLK1)

Prepared: 04/17/2020 Analyzed: 04/20/2020

Aluminum	ND	5.00	mg/kg wet
Antimony	ND	2.50	"
Arsenic	ND	1.50	"
Barium	ND	2.50	"
Beryllium	ND	0.050	"
Cadmium	ND	0.300	"
Calcium	ND	5.00	"
Chromium	ND	0.500	"
Cobalt	ND	0.400	"
Copper	ND	2.00	"
Iron	ND	25.0	"
Lead	ND	0.500	"
Magnesium	ND	5.00	"
Manganese	ND	0.500	"
Nickel	ND	1.00	"
Potassium	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 (BD00739-DUP1)

*Source sample: 20D0471-09 (SB-Duplicate)

Prepared: 04/17/2020 Analyzed: 04/20/2020

Aluminum	4310	5.29	mg/kg dry	4130	4.27	35	
Antimony	ND	2.64	"	ND		35	
Arsenic	ND	1.59	"	ND		35	
Barium	22.1	2.64	"	18.4	17.9	35	
Beryllium	ND	0.053	"	ND		35	
Cadmium	ND	0.317	"	ND		35	
Calcium	1360	5.29	"	992	31.0	35	
Chromium	10.1	0.529	"	10.2	0.221	35	
Cobalt	3.86	0.423	"	3.69	4.71	35	
Copper	9.62	2.11	"	9.06	6.05	35	
Iron	7290	26.4	"	6890	5.64	35	
Lead	69.3	0.529	"	28.3	84.1	35	Non-dir.
Magnesium	1670	5.29	"	1590	4.90	35	
Manganese	163	0.529	"	148	9.29	35	
Nickel	8.63	1.06	"	8.75	1.28	35	
Potassium	578	5.29	"	614	6.05	35	
Selenium	ND	2.64	"	ND		35	
Silver	ND	0.529	"	ND		35	
Sodium	112	52.9	"	77.9	36.0	35	Non-dir.
Thallium	ND	2.64	"	ND		35	
Vanadium	11.1	1.06	"	11.4	2.49	35	
Zinc	20.1	2.64	"	19.1	5.35	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 BD00739 - EPA 3050B

Matrix Spike (BD00739-MS1)		*Source sample: 20D0471-09 (SB-Duplicate)					Prepared: 04/17/2020 Analyzed: 04/20/2020				
Aluminum	5000	5.29	mg/kg dry	211	4130	414	75-125	High Bias			
Antimony	9.28	2.64	"	26.4	ND	35.1	75-125	Low Bias			
Arsenic	225	1.59	"	211	ND	106	75-125				
Barium	251	2.64	"	211	18.4	110	75-125				
Beryllium	3.88	0.053	"	5.29	ND	73.5	75-125	Low Bias			
Cadmium	5.56	0.317	"	5.29	ND	105	75-125				
Calcium	2350	5.29	"	106	992	NR	75-125	High Bias			
Chromium	36.2	0.529	"	21.1	10.2	123	75-125				
Cobalt	60.9	0.423	"	52.9	3.69	108	75-125				
Copper	38.4	2.11	"	26.4	9.06	111	75-125				
Iron	7900	26.4	"	106	6890	952	75-125	High Bias			
Lead	638	0.529	"	52.9	28.3	NR	75-125	High Bias			
Magnesium	2130	5.29	"	106	1590	516	75-125	High Bias			
Manganese	237	0.529	"	52.9	148	167	75-125	High Bias			
Nickel	68.3	1.06	"	52.9	8.75	113	75-125				
Potassium	679	5.29	"	106	614	62.0	75-125	Low Bias			
Selenium	195	2.64	"	211	ND	92.2	75-125				
Silver	4.69	0.529	"	5.29	ND	88.6	75-125				
Sodium	253	52.9	"	106	77.9	166	75-125	High Bias			
Thallium	222	2.64	"	211	ND	105	75-125				
Vanadium	65.9	1.06	"	52.9	11.4	103	75-125				
Zinc	77.5	2.64	"	52.9	19.1	111	75-125				

Post Spike (BD00739-PS1)		*Source sample: 20D0471-09 (SB-Duplicate)					Prepared: 04/17/2020 Analyzed: 04/20/2020				
Aluminum	42.0		ug/mL	2.00	39.0	149	75-125	High Bias			
Antimony	0.271		"	0.250	-0.006	109	75-125				
Arsenic	2.16		"	2.00	0.00009	108	75-125				
Barium	2.38		"	2.00	0.174	110	75-125				
Beryllium	0.038		"	0.0500	-0.015	76.1	75-125				
Cadmium	0.054		"	0.0500	-0.0005	107	75-125				
Calcium	10.9		"	1.00	9.38	149	75-125	High Bias			
Chromium	0.316		"	0.200	0.096	110	75-125				
Cobalt	0.600		"	0.500	0.035	113	75-125				
Copper	0.365		"	0.250	0.086	112	75-125				
Iron	68.1		"	1.00	65.2	292	75-125	High Bias			
Lead	0.817		"	0.500	0.267	110	75-125				
Magnesium	16.6		"	1.00	15.0	155	75-125	High Bias			
Manganese	1.99		"	0.500	1.40	117	75-125				
Nickel	0.650		"	0.500	0.083	114	75-125				
Potassium	7.07		"	1.00	5.80	127	75-125	High Bias			
Selenium	1.87		"	2.00	-0.034	93.7	75-125				
Silver	0.043		"	0.0500	-0.010	86.6	75-125				
Sodium	1.91		"	1.00	0.737	117	75-125				
Thallium	2.14		"	2.00	-0.021	107	75-125				
Vanadium	0.637		"	0.500	0.108	106	75-125				
Zinc	0.736		"	0.500	0.180	111	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 BD00739 - EPA 3050B

Reference (BD00739-SRM1)

Prepared: 04/17/2020 Analyzed: 04/20/2020

Aluminum	8380	5.00	mg/kg wet	7700		109	49.4-150.6				
Antimony	26.7	2.50	"	40.0		66.7	21.58-292.5				
Arsenic	140	1.50	"	125		112	69.8-129.6				
Barium	712	2.50	"	529		135	75-125.1	High Bias			
Beryllium	177	0.050	"	155		114	74.8-125.2				
Cadmium	42.9	0.300	"	37.7		114	74.8-124.9				
Calcium	5060	5.00	"	4720		107	72.5-127.3				
Chromium	61.9	0.500	"	58.3		106	70-130				
Cobalt	227	0.400	"	196		116	75-125				
Copper	87.9	2.00	"	78.0		113	75-125				
Iron	14700	25.0	"	13800		106	34.4-165.9				
Lead	117	0.500	"	111		105	70.9-128.8				
Magnesium	2370	5.00	"	2240		106	61.6-138.4				
Manganese	335	0.500	"	310		108	74.5-125.2				
Nickel	390	1.00	"	333		117	70-130				
Potassium	2100	5.00	"	1970		106	58.4-141.1				
Selenium	252	2.50	"	251		100	69.3-131.1				
Silver	27.6	0.500	"	27.2		101	67.6-132				
Sodium	238	50.0	"	220		108	48.2-151.8				
Thallium	274	2.50	"	241		114	72.6-127.4				
Vanadium	129	1.00	"	125		103	70.2-129.6				
Zinc	378	2.50	"	351		108	69.8-129.9				



Metals by ICP/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BD00756 - EPA 3015A

Blank (BD00756-BLK1)

Prepared: 04/17/2020 Analyzed: 04/20/2020

Aluminum	12.7	11.1	ug/L
Antimony	ND	1.11	"
Arsenic	ND	1.11	"
Barium	ND	1.11	"
Beryllium	ND	0.333	"
Cadmium	ND	0.556	"
Chromium	ND	1.11	"
Cobalt	ND	1.11	"
Copper	ND	1.11	"
Iron	ND	11.1	"
Lead	ND	1.11	"
Manganese	ND	1.11	"
Nickel	ND	1.11	"
Selenium	ND	1.11	"
Silver	ND	1.11	"
Thallium	ND	1.11	"
Vanadium	ND	1.11	"
Zinc	ND	1.11	"

LCS (BD00756-BS1)

Prepared: 04/17/2020 Analyzed: 04/20/2020

Aluminum	2370	ug/L	2500	94.7	80-120
Antimony	43.8	"	50.0	87.6	80-120
Arsenic	46.5	"	50.0	93.1	80-120
Barium	47.3	"	50.0	94.5	80-120
Beryllium	46.8	"	50.0	93.7	80-120
Cadmium	46.0	"	50.0	92.0	80-120
Chromium	47.2	"	50.0	94.3	80-120
Cobalt	47.9	"	50.0	95.8	80-120
Copper	48.5	"	50.0	97.0	80-120
Iron	2190	"	2500	87.5	80-120
Lead	45.5	"	50.0	91.1	80-120
Manganese	48.1	"	50.0	96.3	80-120
Nickel	48.4	"	50.0	96.9	80-120
Selenium	46.2	"	50.0	92.4	80-120
Silver	46.0	"	50.0	91.9	80-120
Thallium	45.5	"	50.0	91.0	80-120
Vanadium	48.0	"	50.0	96.0	80-120
Zinc	47.9	"	50.0	95.8	80-120



Metals by ICP/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BD00978 - EPA 3015A

Blank (BD00978-BLK1)

Prepared: 04/22/2020 Analyzed: 04/23/2020

Aluminum - Dissolved	ND	11.1	ug/L
Antimony - Dissolved	ND	1.11	"
Arsenic - Dissolved	ND	1.11	"
Barium - Dissolved	ND	1.11	"
Beryllium - Dissolved	ND	0.333	"
Cadmium - Dissolved	ND	0.556	"
Chromium - Dissolved	ND	1.11	"
Cobalt - Dissolved	ND	1.11	"
Copper - Dissolved	ND	1.11	"
Iron - Dissolved	ND	11.1	"
Lead - Dissolved	ND	1.11	"
Manganese - Dissolved	ND	1.11	"
Nickel - Dissolved	ND	1.11	"
Selenium - Dissolved	ND	1.11	"
Silver - Dissolved	ND	1.11	"
Thallium - Dissolved	ND	1.11	"
Vanadium - Dissolved	ND	1.11	"
Zinc - Dissolved	3.36	1.11	"

LCS (BD00978-BS1)

Prepared: 04/22/2020 Analyzed: 04/23/2020

Aluminum - Dissolved	2250	ug/L	2500	89.8	80-120
Antimony - Dissolved	43.4	"	50.0	86.7	80-120
Arsenic - Dissolved	45.6	"	50.0	91.2	80-120
Barium - Dissolved	45.5	"	50.0	91.0	80-120
Beryllium - Dissolved	45.0	"	50.0	90.0	80-120
Cadmium - Dissolved	43.0	"	50.0	86.1	80-120
Chromium - Dissolved	46.8	"	50.0	93.6	80-120
Cobalt - Dissolved	45.7	"	50.0	91.4	80-120
Copper - Dissolved	47.7	"	50.0	95.4	80-120
Iron - Dissolved	2330	"	2500	93.3	80-120
Lead - Dissolved	47.3	"	50.0	94.5	80-120
Manganese - Dissolved	46.2	"	50.0	92.5	80-120
Nickel - Dissolved	45.8	"	50.0	91.6	80-120
Selenium - Dissolved	44.5	"	50.0	89.0	80-120
Silver - Dissolved	44.3	"	50.0	88.6	80-120
Thallium - Dissolved	47.3	"	50.0	94.6	80-120
Vanadium - Dissolved	45.3	"	50.0	90.6	80-120
Zinc - Dissolved	45.9	"	50.0	91.7	80-120



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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD00754 - EPA 7473 soil											
Blank (BD00754-BLK1)						Prepared & Analyzed: 04/17/2020					
Mercury	ND	0.0300	mg/kg wet								
Reference (BD00754-SRM1)						Prepared & Analyzed: 04/17/2020					
Mercury	3.6202		mg/kg	3.71		97.6	65-135				
Batch BD00770 - EPA 7473 water											
Blank (BD00770-BLK1)						Prepared & Analyzed: 04/17/2020					
Mercury	ND	0.00020	mg/L								
Reference (BD00770-SRM1)						Prepared & Analyzed: 04/17/2020					
Mercury	0.00846		mg/L	0.0100		84.6	70-130				
Batch BD00808 - EPA 7473 water											
Blank (BD00808-BLK1)						Prepared & Analyzed: 04/20/2020					
Mercury - Dissolved	ND	0.0002000	mg/L								
Duplicate (BD00808-DUP1)						*Source sample: 20D0471-13 (GW-3) Prepared & Analyzed: 04/20/2020					
Mercury - Dissolved	ND	0.0002000	mg/L		ND					20	
Matrix Spike (BD00808-MS1)						*Source sample: 20D0471-13 (GW-3) Prepared & Analyzed: 04/20/2020					
Mercury - Dissolved	0.009460		mg/L	0.0100	0.0001008	93.6	75-125				
Reference (BD00808-SRM1)						Prepared & Analyzed: 04/20/2020					
Mercury - Dissolved	0.01077		mg/L	0.0100		108	70-130				



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
20D0471-01	SB-1@1'-2'	40mL Vial with Stir Bar-Cool 4° C
20D0471-02	SB-1@5'-6'	40mL Vial with Stir Bar-Cool 4° C
20D0471-03	SB-2@1'-2'	40mL Vial with Stir Bar-Cool 4° C
20D0471-04	SB-2@5'-6'	40mL Vial with Stir Bar-Cool 4° C
20D0471-05	SB-3@1'-2'	40mL Vial with Stir Bar-Cool 4° C
20D0471-06	SB-3@5'-6'	40mL Vial with Stir Bar-Cool 4° C
20D0471-07	SB-4@1'-2'	40mL Vial with Stir Bar-Cool 4° C
20D0471-08	SB-4@4'-5'	40mL Vial with Stir Bar-Cool 4° C
20D0471-09	SB-Duplicate	40mL Vial with Stir Bar-Cool 4° C
20D0471-11	GW-1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
20D0471-12	GW-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
20D0471-13	GW-3	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

S-GC	Two surrogates are used for this analysis. One surrogate recovered within control limits therefore the analysis is acceptable.
S-08	The recovery of this surrogate was outside of QC limits.
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-MBLk	Analyte was detected in the batch method blank above the Reporting Limit.
M-ICV2	The recovery for this element in the ICV was outside the 90-110% recovery criteria.
M-CRL	The RL check for this element recovered outside of control limits.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
EXT-EM	The sample exhibited emulsion formation during the extraction process. This may affect surrogate recoveries.
EXT-D	The sample submitted contained sediment. The aqueous portion was decanted off, the volume measured and used for the extraction. The sediment was not included in the extraction.
CCV-L	The value reported is estimated due to its behavior during continuing calibration verification (>20% difference for average RF or >20% drift for linear or quadratic fit.) This value may be biased low.
CCV-H	The value reported is estimated due to its behavior during continuing calibration verification (>20% difference for average RF or >20% drift for linear or quadratic fit.) This value may be biased high.
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).
BTL-X	NON-COMPLIANT - The sample was received in an improper container and/or with improper sampling technique.
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.

Corrective Action: The lab received a Terracore set and 1-p250 unp. filled with water for sample: Rinsate Blank / 20D0471-10.



York Analytical Laboratories, Inc.
120 Research Drive
Stratford, CT 06615
clientservices@yorklab.com
www.yorklab.com



YOUR INFORMATION

Company: Liberty Environmental
Address: 505 Penn St. Suite 400
Reading, PA 19601
Phone: 800-305-6019
Contact: Thomas Herold
E-mail: theherold@libertyenviro.com

Report To:

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

Invoice To:

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

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

Samples Collected by: (print your name above and sign below)

Thomas Herold

Sample Identification

SB-1 @ 1-2-
SB-1 @ 5-6-
SB-2 @ 1-2-
SB-2 @ 5-6-
SB-3 @ 1-2-
SB-3 @ 5-6-
SB-4 @ 1-2-
SB-4 @ 4-5-
SB-Duplicate
Rinsate Blank

Comments:

Samples Relinquished by / Company
Date/Time
4/15/2020 9:42
Allie York
Samples Relinquished by / Company
Date/Time
4/16/20
E. Spiller
Samples Relinquished by / Company
Date/Time
4/16/20
E. Spiller

Field Chain-of-Custody Record

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.

YORK Project No.
20D0471

Page 1 of 3

YOUR Project Number

190740

YOUR Project Name

659 E 222 St

Turn-Around Time

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

YOUR PO#:

YORK Reg. Comp.

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

NYSDEC
NYC E-Designated

Report / EDD Type (circle selections)

Summary Report
CT RCP
CT RCP DQA/DUE
NJDEP Reduced Deliverables
NJDEP SRP HazSite
Other:
Standard Excel EDD
EQUIS (Standard)
NYSDEC EQUIS
NJDEP SRP HazSite
Other:

Matrix Codes

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

Samples From

New York
New Jersey
Connecticut
Pennsylvania
Other

Sample Matrix

S
S
S
S
S
S
S
S
S

Date/Time Sampled

4/15/2020 8:40
4/15/2020 8:50
4/15/2020 9:50
4/15/2020 10:05
4/15/2020 10:35
4/15/2020 10:55
4/15/2020 12:05
4/15/2020 12:10
4/15/2020 10:40
4/15/2020 12:45

Analysis Requested

VOCs, SVOCs, Pesticides/PCBs, TAL Metals

Container Description

4 terracore / 18oz

Preservation: (check all that apply)

HCl MeOH HNO3 H2SO4 NaOH ZnAc
Ascorbic Acid Other:

Special Instruction

Field Filtered
Lab to Filter

Field Chain-of-Custody Record

YORK Project No. 20D047

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.

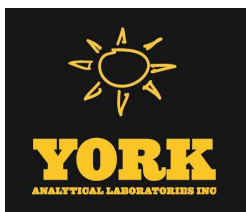
Page 2 of 3

clientservices@yorklab.com
www.yorklab.com

YORK
ANALYTICAL LABORATORIES INC.

[illegible]

APPENDIX G: LABORATORY DATA DELIVERABLE FOR SOIL VAPOR



Technical Report

prepared for:

Liberty Environmental, Inc
131 Varick Street, Suite 1022
New York NY, 10013
Attention: Tom Herold

Report Date: 04/23/2020
Client Project ID: 190740 659 E. 222 St
York Project (SDG) No.: 20D0469

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

120 RESEARCH DRIVE
www.YORKLAB.com

STRATFORD, CT 06615
(203) 325-1371



132-02 89th AVENUE
FAX (203) 357-0166

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 04/23/2020
Client Project ID: 190740 659 E. 222 St
York Project (SDG) No.: 20D0469

Liberty Environmental, Inc
131 Varick Street, Suite 1022
New York NY, 10013
Attention: Tom Herold

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 16, 2020 and listed below. The project was identified as your project: **190740 659 E. 222 St.**

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>
20D0469-01	SV-1	Soil Vapor	04/15/2020	04/16/2020
20D0469-02	SV-2	Soil Vapor	04/15/2020	04/16/2020
20D0469-03	SV-3	Soil Vapor	04/15/2020	04/16/2020
20D0469-04	SV-4	Soil Vapor	04/15/2020	04/16/2020
20D0469-05	SV-Duplicate	Soil Vapor	04/15/2020	04/16/2020

General Notes for York Project (SDG) No.: 20D0469

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: 04/23/2020





Sample Information

Client Sample ID: SV-1

York Sample ID: 20D0469-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20D0469

190740 659 E. 222 St

Soil Vapor

April 15, 2020 3:30 pm

04/16/2020

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	1.605	EPA TO-15 Certifications:	04/22/2020 12:00	04/23/2020 09:17	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.88	1.605	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 09:17	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	1.1	1.605	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 09:17	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	1.2	1.605	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 09:17	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.88	1.605	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 09:17	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.65	1.605	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 09:17	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.16	1.605	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 09:17	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	1.2	1.605	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 09:17	LLJ
95-63-6	1,2,4-Trimethylbenzene	9.5		ug/m ³	0.79	1.605	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 09:17	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/m ³	1.2	1.605	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 09:17	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.96	1.605	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 09:17	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.65	1.605	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 09:17	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.74	1.605	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 09:17	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	1.1	1.605	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 09:17	LLJ
108-67-8	1,3,5-Trimethylbenzene	2.4		ug/m ³	0.79	1.605	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 09:17	LLJ
106-99-0	1,3-Butadiene	ND		ug/m ³	1.1	1.605	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 09:17	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.96	1.605	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 09:17	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.74	1.605	EPA TO-15 Certifications:	04/22/2020 12:00	04/23/2020 09:17	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.96	1.605	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 09:17	LLJ
123-91-1	1,4-Dioxane	ND		ug/m ³	1.2	1.605	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 09:17	LLJ
78-93-3	2-Butanone	7.5		ug/m ³	0.47	1.605	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 09:17	LLJ
591-78-6	* 2-Hexanone	1.7		ug/m ³	1.3	1.605	EPA TO-15 Certifications:	04/22/2020 12:00	04/23/2020 09:17	LLJ



Sample Information

Client Sample ID: SV-1

York Sample ID: 20D0469-01

York Project (SDG) No.
20D0469

Client Project ID
190740 659 E. 222 St

Matrix
Soil Vapor

Collection Date/Time
April 15, 2020 3:30 pm

Date Received
04/16/2020

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	2.5	1.605	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 09:17	LLJ
108-10-1	4-Methyl-2-pentanone	2.0		ug/m ³	0.66	1.605	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 09:17	LLJ
67-64-1	Acetone	100		ug/m ³	0.76	1.605	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 09:17	LLJ
107-13-1	Acrylonitrile	ND		ug/m ³	0.35	1.605	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 09:17	LLJ
71-43-2	Benzene	1.6		ug/m ³	0.51	1.605	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 09:17	LLJ
100-44-7	Benzyl chloride	ND		ug/m ³	0.83	1.605	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 09:17	LLJ
75-27-4	Bromodichloromethane	ND		ug/m ³	1.1	1.605	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 09:17	LLJ
75-25-2	Bromoform	ND		ug/m ³	1.7	1.605	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 09:17	LLJ
74-83-9	Bromomethane	ND		ug/m ³	0.62	1.605	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 09:17	LLJ
75-15-0	Carbon disulfide	2.5		ug/m ³	0.50	1.605	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 09:17	LLJ
56-23-5	Carbon tetrachloride	0.50		ug/m ³	0.25	1.605	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 09:17	LLJ
108-90-7	Chlorobenzene	ND		ug/m ³	0.74	1.605	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 09:17	LLJ
75-00-3	Chloroethane	ND		ug/m ³	0.42	1.605	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 09:17	LLJ
67-66-3	Chloroform	32		ug/m ³	0.78	1.605	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 09:17	LLJ
74-87-3	Chloromethane	0.53		ug/m ³	0.33	1.605	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 09:17	LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.16	1.605	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 09:17	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.73	1.605	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 09:17	LLJ
110-82-7	Cyclohexane	ND		ug/m ³	0.55	1.605	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 09:17	LLJ
124-48-1	Dibromochloromethane	ND		ug/m ³	1.4	1.605	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 09:17	LLJ
75-71-8	Dichlorodifluoromethane	2.4		ug/m ³	0.79	1.605	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 09:17	LLJ
141-78-6	* Ethyl acetate	ND		ug/m ³	1.2	1.605	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 09:17	LLJ
100-41-4	Ethyl Benzene	3.8		ug/m ³	0.70	1.605	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 09:17	LLJ
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.7	1.605	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 09:17	LLJ



Sample Information

Client Sample ID: SV-1

York Sample ID: 20D0469-01

York Project (SDG) No.
20D0469

Client Project ID
190740 659 E. 222 St

Matrix
Soil Vapor

Collection Date/Time
April 15, 2020 3:30 pm

Date Received
04/16/2020

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
67-63-0	Isopropanol	1.9		ug/m ³	0.79	1.605	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 09:17	LLJ
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.66	1.605	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 09:17	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.58	1.605	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 09:17	LLJ
75-09-2	Methylene chloride	ND		ug/m ³	1.1	1.605	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 09:17	LLJ
142-82-5	n-Heptane	3.0		ug/m ³	0.66	1.605	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 09:17	LLJ
110-54-3	n-Hexane	1.4		ug/m ³	0.57	1.605	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 09:17	LLJ
95-47-6	o-Xylene	4.9		ug/m ³	0.70	1.605	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 09:17	LLJ
179601-23-1	p- & m- Xylenes	17		ug/m ³	1.4	1.605	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 09:17	LLJ
622-96-8	* p-Ethyltoluene	6.5		ug/m ³	0.79	1.605	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 09:17	LLJ
115-07-1	* Propylene	ND		ug/m ³	0.28	1.605	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 09:17	LLJ
100-42-5	Styrene	1.3		ug/m ³	0.68	1.605	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 09:17	LLJ
127-18-4	Tetrachloroethylene	13		ug/m ³	1.1	1.605	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 09:17	LLJ
109-99-9	* Tetrahydrofuran	6.7		ug/m ³	0.95	1.605	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 09:17	LLJ
108-88-3	Toluene	7.1		ug/m ³	0.60	1.605	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 09:17	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.64	1.605	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 09:17	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.73	1.605	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 09:17	LLJ
79-01-6	Trichloroethylene	0.69		ug/m ³	0.22	1.605	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 09:17	LLJ
75-69-4	Trichlorofluoromethane (Freon 11)	1.4		ug/m ³	0.90	1.605	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 09:17	LLJ
108-05-4	Vinyl acetate	ND		ug/m ³	0.57	1.605	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 09:17	LLJ
593-60-2	Vinyl bromide	ND		ug/m ³	0.70	1.605	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 09:17	LLJ
75-01-4	Vinyl Chloride	ND		ug/m ³	0.21	1.605	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 09:17	LLJ
460-00-4	Surrogate Recoveries Surrogate: SURR: p-Bromofluorobenzene	Result 104 %	Acceptance Range 70-130							



Sample Information

Client Sample ID: SV-1

York Sample ID: 20D0469-01

York Project (SDG) No.
20D0469

Client Project ID
190740 659 E. 222 St

Matrix
Soil Vapor

Collection Date/Time
April 15, 2020 3:30 pm

Date Received
04/16/2020

Sample Information

Client Sample ID: SV-2

York Sample ID: 20D0469-02

York Project (SDG) No.
20D0469

Client Project ID
190740 659 E. 222 St

Matrix
Soil Vapor

Collection Date/Time
April 15, 2020 3:30 pm

Date Received
04/16/2020

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	5.0	7.27	EPA TO-15 Certifications:	04/22/2020 12:00	04/23/2020 10:04	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	4.0	7.27	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 10:04	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	5.0	7.27	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 10:04	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	5.6	7.27	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 10:04	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	4.0	7.27	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 10:04	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/m ³	2.9	7.27	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 10:04	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.72	7.27	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 10:04	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	5.4	7.27	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 10:04	LLJ
95-63-6	1,2,4-Trimethylbenzene	17		ug/m ³	3.6	7.27	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 10:04	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/m ³	5.6	7.27	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 10:04	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	4.4	7.27	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 10:04	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/m ³	2.9	7.27	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 10:04	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/m ³	3.4	7.27	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 10:04	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	5.1	7.27	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 10:04	LLJ
108-67-8	1,3,5-Trimethylbenzene	4.3		ug/m ³	3.6	7.27	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 10:04	LLJ
106-99-0	1,3-Butadiene	ND		ug/m ³	4.8	7.27	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 10:04	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	4.4	7.27	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 10:04	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	3.4	7.27	EPA TO-15 Certifications:	04/22/2020 12:00	04/23/2020 10:04	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	4.4	7.27	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 10:04	LLJ



Sample Information

Client Sample ID: SV-2

York Sample ID: 20D0469-02

York Project (SDG) No.
20D0469

Client Project ID
190740 659 E. 222 St

Matrix
Soil Vapor

Collection Date/Time
April 15, 2020 3:30 pm

Date Received
04/16/2020

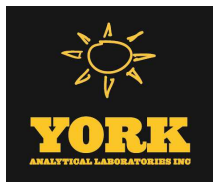
Volatile Organics, EPA TO15 Full List

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
123-91-1	1,4-Dioxane	ND		ug/m ³	5.2	7.27	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 10:04	LLJ
78-93-3	2-Butanone	27		ug/m ³	2.1	7.27	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 10:04	LLJ
591-78-6	* 2-Hexanone	ND		ug/m ³	6.0	7.27	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 10:04	LLJ
107-05-1	3-Chloropropene	ND		ug/m ³	11	7.27	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 10:04	LLJ
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	3.0	7.27	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 10:04	LLJ
67-64-1	Acetone	420		ug/m ³	3.5	7.27	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 10:04	LLJ
107-13-1	Acrylonitrile	ND		ug/m ³	1.6	7.27	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 10:04	LLJ
71-43-2	Benzene	5.1		ug/m ³	2.3	7.27	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 10:04	LLJ
100-44-7	Benzyl chloride	ND		ug/m ³	3.8	7.27	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 10:04	LLJ
75-27-4	Bromodichloromethane	ND		ug/m ³	4.9	7.27	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 10:04	LLJ
75-25-2	Bromoform	ND		ug/m ³	7.5	7.27	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 10:04	LLJ
74-83-9	Bromomethane	ND		ug/m ³	2.8	7.27	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 10:04	LLJ
75-15-0	Carbon disulfide	4.3		ug/m ³	2.3	7.27	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 10:04	LLJ
56-23-5	Carbon tetrachloride	ND		ug/m ³	1.1	7.27	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 10:04	LLJ
108-90-7	Chlorobenzene	ND		ug/m ³	3.3	7.27	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 10:04	LLJ
75-00-3	Chloroethane	ND		ug/m ³	1.9	7.27	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 10:04	LLJ
67-66-3	Chloroform	ND		ug/m ³	3.5	7.27	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 10:04	LLJ
74-87-3	Chloromethane	ND		ug/m ³	1.5	7.27	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 10:04	LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.72	7.27	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 10:04	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	3.3	7.27	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 10:04	LLJ
110-82-7	Cyclohexane	2.8		ug/m ³	2.5	7.27	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 10:04	LLJ
124-48-1	Dibromochloromethane	ND		ug/m ³	6.2	7.27	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 10:04	LLJ
75-71-8	Dichlorodifluoromethane	4.0		ug/m ³	3.6	7.27	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 10:04	LLJ



Sample Information

Client Sample ID: SV-2

York Sample ID: 20D0469-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20D0469

190740 659 E. 222 St

Soil Vapor

April 15, 2020 3:30 pm

04/16/2020

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
141-78-6	* Ethyl acetate	ND		ug/m ³	5.2	7.27	EPA TO-15 Certifications:	04/22/2020 12:00	04/23/2020 10:04	LLJ
100-41-4	Ethyl Benzene	13		ug/m ³	3.2	7.27	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 10:04	LLJ
87-68-3	Hexachlorobutadiene	ND		ug/m ³	7.8	7.27	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 10:04	LLJ
67-63-0	Isopropanol	17		ug/m ³	3.6	7.27	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 10:04	LLJ
80-62-6	Methyl Methacrylate	ND		ug/m ³	3.0	7.27	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 10:04	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	2.6	7.27	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 10:04	LLJ
75-09-2	Methylene chloride	ND		ug/m ³	5.1	7.27	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 10:04	LLJ
142-82-5	n-Heptane	130		ug/m ³	3.0	7.27	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 10:04	LLJ
110-54-3	n-Hexane	7.4		ug/m ³	2.6	7.27	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 10:04	LLJ
95-47-6	o-Xylene	14		ug/m ³	3.2	7.27	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 10:04	LLJ
179601-23-1	p- & m- Xylenes	52		ug/m ³	6.3	7.27	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 10:04	LLJ
622-96-8	* p-Ethyltoluene	18		ug/m ³	3.6	7.27	EPA TO-15 Certifications:	04/22/2020 12:00	04/23/2020 10:04	LLJ
115-07-1	* Propylene	ND		ug/m ³	1.3	7.27	EPA TO-15 Certifications:	04/22/2020 12:00	04/23/2020 10:04	LLJ
100-42-5	Styrene	ND		ug/m ³	3.1	7.27	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 10:04	LLJ
127-18-4	Tetrachloroethylene	ND		ug/m ³	4.9	7.27	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 10:04	LLJ
109-99-9	* Tetrahydrofuran	15		ug/m ³	4.3	7.27	EPA TO-15 Certifications:	04/22/2020 12:00	04/23/2020 10:04	LLJ
108-88-3	Toluene	27		ug/m ³	2.7	7.27	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 10:04	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	2.9	7.27	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 10:04	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	3.3	7.27	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 10:04	LLJ
79-01-6	Trichloroethylene	ND		ug/m ³	0.98	7.27	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 10:04	LLJ
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m ³	4.1	7.27	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 10:04	LLJ
108-05-4	Vinyl acetate	ND		ug/m ³	2.6	7.27	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 10:04	LLJ
593-60-2	Vinyl bromide	ND		ug/m ³	3.2	7.27	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 10:04	LLJ



Sample Information

Client Sample ID: SV-2

York Sample ID: 20D0469-02

York Project (SDG) No.
20D0469

Client Project ID
190740 659 E. 222 St

Matrix
Soil Vapor

Collection Date/Time
April 15, 2020 3:30 pm

Date Received
04/16/2020

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		ug/m ³	0.93	7.27	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 10:04	LLJ
Surrogate Recoveries		Result		Acceptance Range						
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	113 %				70-130				

Sample Information

Client Sample ID: SV-3

York Sample ID: 20D0469-03

York Project (SDG) No.
20D0469

Client Project ID
190740 659 E. 222 St

Matrix
Soil Vapor

Collection Date/Time
April 15, 2020 3:30 pm

Date Received
04/16/2020

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	7.385	EPA TO-15 Certifications:	04/22/2020 12:00	04/23/2020 15:49	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	4.0	7.385	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 15:49	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	5.1	7.385	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 15:49	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	5.7	7.385	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 15:49	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	4.0	7.385	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 15:49	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/m ³	3.0	7.385	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 15:49	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.73	7.385	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 15:49	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	5.5	7.385	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 15:49	LLJ
95-63-6	1,2,4-Trimethylbenzene	11		ug/m ³	3.6	7.385	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 15:49	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/m ³	5.7	7.385	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 15:49	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	4.4	7.385	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 15:49	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/m ³	3.0	7.385	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 15:49	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/m ³	3.4	7.385	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 15:49	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	5.2	7.385	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 15:49	LLJ



Sample Information

Client Sample ID: SV-3

York Sample ID: 20D0469-03

York Project (SDG) No.
20D0469

Client Project ID
190740 659 E. 222 St

Matrix
Soil Vapor

Collection Date/Time
April 15, 2020 3:30 pm

Date Received
04/16/2020

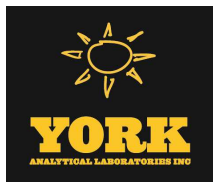
Volatile Organics, EPA TO15 Full List

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
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	3.6	7.385	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 15:49	LLJ
106-99-0	1,3-Butadiene	ND		ug/m ³	4.9	7.385	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 15:49	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	4.4	7.385	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 15:49	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	3.4	7.385	EPA TO-15 Certifications:	04/22/2020 12:00	04/23/2020 15:49	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	4.4	7.385	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 15:49	LLJ
123-91-1	1,4-Dioxane	ND		ug/m ³	5.3	7.385	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 15:49	LLJ
78-93-3	2-Butanone	15		ug/m ³	2.2	7.385	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 15:49	LLJ
591-78-6	* 2-Hexanone	ND		ug/m ³	6.1	7.385	EPA TO-15 Certifications:	04/22/2020 12:00	04/23/2020 15:49	LLJ
107-05-1	3-Chloropropene	ND		ug/m ³	12	7.385	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 15:49	LLJ
108-10-1	4-Methyl-2-pentanone	4.2		ug/m ³	3.0	7.385	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 15:49	LLJ
67-64-1	Acetone	390		ug/m ³	3.5	7.385	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 15:49	LLJ
107-13-1	Acrylonitrile	ND		ug/m ³	1.6	7.385	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 15:49	LLJ
71-43-2	Benzene	2.4		ug/m ³	2.4	7.385	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 15:49	LLJ
100-44-7	Benzyl chloride	ND		ug/m ³	3.8	7.385	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 15:49	LLJ
75-27-4	Bromodichloromethane	ND		ug/m ³	4.9	7.385	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 15:49	LLJ
75-25-2	Bromoform	ND		ug/m ³	7.6	7.385	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 15:49	LLJ
74-83-9	Bromomethane	ND		ug/m ³	2.9	7.385	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 15:49	LLJ
75-15-0	Carbon disulfide	ND		ug/m ³	2.3	7.385	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 15:49	LLJ
56-23-5	Carbon tetrachloride	ND		ug/m ³	1.2	7.385	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 15:49	LLJ
108-90-7	Chlorobenzene	ND		ug/m ³	3.4	7.385	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 15:49	LLJ
75-00-3	Chloroethane	ND		ug/m ³	1.9	7.385	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 15:49	LLJ
67-66-3	Chloroform	ND		ug/m ³	3.6	7.385	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 15:49	LLJ
74-87-3	Chloromethane	ND		ug/m ³	1.5	7.385	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 15:49	LLJ



Sample Information

Client Sample ID: SV-3

York Sample ID: 20D0469-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20D0469

190740 659 E. 222 St

Soil Vapor

April 15, 2020 3:30 pm

04/16/2020

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
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.73	7.385	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 15:49	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	3.4	7.385	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 15:49	LLJ
110-82-7	Cyclohexane	3.6		ug/m ³	2.5	7.385	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 15:49	LLJ
124-48-1	Dibromochloromethane	ND		ug/m ³	6.3	7.385	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 15:49	LLJ
75-71-8	Dichlorodifluoromethane	4.0		ug/m ³	3.7	7.385	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 15:49	LLJ
141-78-6	* Ethyl acetate	ND		ug/m ³	5.3	7.385	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 15:49	LLJ
100-41-4	Ethyl Benzene	10		ug/m ³	3.2	7.385	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 15:49	LLJ
87-68-3	Hexachlorobutadiene	ND		ug/m ³	7.9	7.385	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 15:49	LLJ
67-63-0	Isopropanol	8.0		ug/m ³	3.6	7.385	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 15:49	LLJ
80-62-6	Methyl Methacrylate	ND		ug/m ³	3.0	7.385	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 15:49	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	2.7	7.385	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 15:49	LLJ
75-09-2	Methylene chloride	ND		ug/m ³	5.1	7.385	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 15:49	LLJ
142-82-5	n-Heptane	13		ug/m ³	3.0	7.385	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 15:49	LLJ
110-54-3	n-Hexane	7.5		ug/m ³	2.6	7.385	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 15:49	LLJ
95-47-6	o-Xylene	12		ug/m ³	3.2	7.385	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 15:49	LLJ
179601-23-1	p- & m- Xylenes	40		ug/m ³	6.4	7.385	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 15:49	LLJ
622-96-8	* p-Ethyltoluene	9.4		ug/m ³	3.6	7.385	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 15:49	LLJ
115-07-1	* Propylene	ND		ug/m ³	1.3	7.385	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 15:49	LLJ
100-42-5	Styrene	ND		ug/m ³	3.1	7.385	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 15:49	LLJ
127-18-4	Tetrachloroethylene	ND		ug/m ³	5.0	7.385	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 15:49	LLJ
109-99-9	* Tetrahydrofuran	7.0		ug/m ³	4.4	7.385	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 15:49	LLJ
108-88-3	Toluene	18		ug/m ³	2.8	7.385	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 15:49	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	2.9	7.385	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 15:49	LLJ



Sample Information

Client Sample ID: SV-3

York Sample ID: 20D0469-03

York Project (SDG) No.
20D0469

Client Project ID
190740 659 E. 222 St

Matrix
Soil Vapor

Collection Date/Time
April 15, 2020 3:30 pm

Date Received
04/16/2020

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
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	3.4	7.385	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 15:49	LLJ
79-01-6	Trichloroethylene	ND		ug/m ³	0.99	7.385	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 15:49	LLJ
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m ³	4.1	7.385	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 15:49	LLJ
108-05-4	Vinyl acetate	ND		ug/m ³	2.6	7.385	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 15:49	LLJ
593-60-2	Vinyl bromide	ND		ug/m ³	3.2	7.385	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 15:49	LLJ
75-01-4	Vinyl Chloride	ND		ug/m ³	0.94	7.385	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 15:49	LLJ
Surrogate Recoveries		Result	Acceptance Range							
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	107 %	70-130							

Sample Information

Client Sample ID: SV-4

York Sample ID: 20D0469-04

York Project (SDG) No.
20D0469

Client Project ID
190740 659 E. 222 St

Matrix
Soil Vapor

Collection Date/Time
April 15, 2020 3:30 pm

Date Received
04/16/2020

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes: TO-VAC

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	4.9	7.115	EPA TO-15 Certifications:	04/22/2020 12:00	04/23/2020 13:21	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	3.9	7.115	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 13:21	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	4.9	7.115	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 13:21	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	5.5	7.115	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 13:21	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	3.9	7.115	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 13:21	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/m ³	2.9	7.115	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 13:21	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.71	7.115	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 13:21	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	5.3	7.115	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 13:21	LLJ
95-63-6	1,2,4-Trimethylbenzene	12		ug/m ³	3.5	7.115	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 13:21	LLJ



Sample Information

Client Sample ID: SV-4

York Sample ID: 20D0469-04

York Project (SDG) No.
20D0469

Client Project ID
190740 659 E. 222 St

Matrix
Soil Vapor

Collection Date/Time
April 15, 2020 3:30 pm

Date Received
04/16/2020

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes: TO-VAC

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-93-4	1,2-Dibromoethane	ND		ug/m ³	5.5	7.115	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 13:21	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	4.3	7.115	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 13:21	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/m ³	2.9	7.115	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 13:21	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/m ³	3.3	7.115	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 13:21	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	5.0	7.115	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 13:21	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	3.5	7.115	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 13:21	LLJ
106-99-0	1,3-Butadiene	5.2		ug/m ³	4.7	7.115	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 13:21	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	4.3	7.115	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 13:21	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	3.3	7.115	EPA TO-15 Certifications:	04/22/2020 12:00	04/23/2020 13:21	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	4.3	7.115	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 13:21	LLJ
123-91-1	1,4-Dioxane	ND		ug/m ³	5.1	7.115	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 13:21	LLJ
78-93-3	2-Butanone	31		ug/m ³	2.1	7.115	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 13:21	LLJ
591-78-6	* 2-Hexanone	ND		ug/m ³	5.8	7.115	EPA TO-15 Certifications:	04/22/2020 12:00	04/23/2020 13:21	LLJ
107-05-1	3-Chloropropene	ND		ug/m ³	11	7.115	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 13:21	LLJ
108-10-1	4-Methyl-2-pentanone	8.5		ug/m ³	2.9	7.115	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 13:21	LLJ
67-64-1	Acetone	340		ug/m ³	3.4	7.115	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 13:21	LLJ
107-13-1	Acrylonitrile	ND		ug/m ³	1.5	7.115	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 13:21	LLJ
71-43-2	Benzene	4.5		ug/m ³	2.3	7.115	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 13:21	LLJ
100-44-7	Benzyl chloride	ND		ug/m ³	3.7	7.115	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 13:21	LLJ
75-27-4	Bromodichloromethane	ND		ug/m ³	4.8	7.115	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 13:21	LLJ
75-25-2	Bromoform	ND		ug/m ³	7.4	7.115	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 13:21	LLJ
74-83-9	Bromomethane	ND		ug/m ³	2.8	7.115	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 13:21	LLJ
75-15-0	Carbon disulfide	3.5		ug/m ³	2.2	7.115	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 13:21	LLJ



Sample Information

Client Sample ID: SV-4

York Sample ID: 20D0469-04

York Project (SDG) No.
20D0469

Client Project ID
190740 659 E. 222 St

Matrix
Soil Vapor

Collection Date/Time
April 15, 2020 3:30 pm

Date Received
04/16/2020

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes: TO-VAC

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-23-5	Carbon tetrachloride	ND		ug/m ³	1.1	7.115	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 13:21	LLJ
108-90-7	Chlorobenzene	ND		ug/m ³	3.3	7.115	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 13:21	LLJ
75-00-3	Chloroethane	ND		ug/m ³	1.9	7.115	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 13:21	LLJ
67-66-3	Chloroform	ND		ug/m ³	3.5	7.115	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 13:21	LLJ
74-87-3	Chloromethane	ND		ug/m ³	1.5	7.115	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 13:21	LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.71	7.115	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 13:21	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	3.2	7.115	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 13:21	LLJ
110-82-7	Cyclohexane	ND		ug/m ³	2.4	7.115	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 13:21	LLJ
124-48-1	Dibromochloromethane	ND		ug/m ³	6.1	7.115	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 13:21	LLJ
75-71-8	Dichlorodifluoromethane	3.9		ug/m ³	3.5	7.115	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 13:21	LLJ
141-78-6	* Ethyl acetate	ND		ug/m ³	5.1	7.115	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 13:21	LLJ
100-41-4	Ethyl Benzene	84		ug/m ³	3.1	7.115	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 13:21	LLJ
87-68-3	Hexachlorobutadiene	ND		ug/m ³	7.6	7.115	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 13:21	LLJ
67-63-0	Isopropanol	14		ug/m ³	3.5	7.115	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 13:21	LLJ
80-62-6	Methyl Methacrylate	7.0		ug/m ³	2.9	7.115	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 13:21	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	2.6	7.115	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 13:21	LLJ
75-09-2	Methylene chloride	ND		ug/m ³	4.9	7.115	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 13:21	LLJ
142-82-5	n-Heptane	43		ug/m ³	2.9	7.115	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 13:21	LLJ
110-54-3	n-Hexane	6.3		ug/m ³	2.5	7.115	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 13:21	LLJ
95-47-6	o-Xylene	82		ug/m ³	3.1	7.115	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 13:21	LLJ
179601-23-1	p- & m- Xylenes	320		ug/m ³	6.2	7.115	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 13:21	LLJ
622-96-8	* p-Ethyltoluene	10		ug/m ³	3.5	7.115	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 13:21	LLJ
115-07-1	* Propylene	ND		ug/m ³	1.2	7.115	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 13:21	LLJ



Sample Information

Client Sample ID: SV-4

York Sample ID: 20D0469-04

York Project (SDG) No.
20D0469

Client Project ID
190740 659 E. 222 St

Matrix
Soil Vapor

Collection Date/Time
April 15, 2020 3:30 pm

Date Received
04/16/2020

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes: TO-VAC

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-42-5	Styrene	ND		ug/m ³	3.0	7.115	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 13:21	LLJ
127-18-4	Tetrachloroethylene	ND		ug/m ³	4.8	7.115	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 13:21	LLJ
109-99-9	* Tetrahydrofuran	20		ug/m ³	4.2	7.115	EPA TO-15 Certifications:	04/22/2020 12:00	04/23/2020 13:21	LLJ
108-88-3	Toluene	18		ug/m ³	2.7	7.115	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 13:21	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	2.8	7.115	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 13:21	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	3.2	7.115	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 13:21	LLJ
79-01-6	Trichloroethylene	ND		ug/m ³	0.96	7.115	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 13:21	LLJ
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m ³	4.0	7.115	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 13:21	LLJ
108-05-4	Vinyl acetate	ND		ug/m ³	2.5	7.115	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 13:21	LLJ
593-60-2	Vinyl bromide	ND		ug/m ³	3.1	7.115	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 13:21	LLJ
75-01-4	Vinyl Chloride	ND		ug/m ³	0.91	7.115	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 13:21	LLJ
Surrogate Recoveries		Result	Acceptance Range							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	103 %	70-130							

Sample Information

Client Sample ID: SV-Duplicate

York Sample ID: 20D0469-05

York Project (SDG) No.
20D0469

Client Project ID
190740 659 E. 222 St

Matrix
Soil Vapor

Collection Date/Time
April 15, 2020 3:30 pm

Date Received
04/16/2020

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	1.0	1.515	EPA TO-15 Certifications:	04/22/2020 12:00	04/23/2020 14:14	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.83	1.515	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 14:14	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	1.0	1.515	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 14:14	LLJ



Sample Information

Client Sample ID: SV-Duplicate

York Sample ID: 20D0469-05

York Project (SDG) No.
20D0469

Client Project ID
190740 659 E. 222 St

Matrix
Soil Vapor

Collection Date/Time
April 15, 2020 3:30 pm

Date Received
04/16/2020

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
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	1.2	1.515	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 14:14	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.83	1.515	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 14:14	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.61	1.515	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 14:14	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.15	1.515	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 14:14	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	1.1	1.515	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 14:14	LLJ
95-63-6	1,2,4-Trimethylbenzene	4.8		ug/m ³	0.74	1.515	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 14:14	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/m ³	1.2	1.515	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 14:14	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.91	1.515	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 14:14	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.61	1.515	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 14:14	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.70	1.515	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 14:14	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	1.1	1.515	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 14:14	LLJ
108-67-8	1,3,5-Trimethylbenzene	1.1		ug/m ³	0.74	1.515	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 14:14	LLJ
106-99-0	1,3-Butadiene	ND		ug/m ³	1.0	1.515	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 14:14	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.91	1.515	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 14:14	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.70	1.515	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 14:14	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.91	1.515	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 14:14	LLJ
123-91-1	1,4-Dioxane	ND		ug/m ³	1.1	1.515	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 14:14	LLJ
78-93-3	2-Butanone	4.6		ug/m ³	0.45	1.515	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 14:14	LLJ
591-78-6	* 2-Hexanone	ND		ug/m ³	1.2	1.515	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 14:14	LLJ
107-05-1	3-Chloropropene	ND		ug/m ³	2.4	1.515	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 14:14	LLJ
108-10-1	4-Methyl-2-pentanone	1.1		ug/m ³	0.62	1.515	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 14:14	LLJ
67-64-1	Acetone	91		ug/m ³	0.72	1.515	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 14:14	LLJ
107-13-1	Acrylonitrile	ND		ug/m ³	0.33	1.515	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 14:14	LLJ



Sample Information

Client Sample ID: SV-Duplicate

York Sample ID: 20D0469-05

York Project (SDG) No.
20D0469

Client Project ID
190740 659 E. 222 St

Matrix
Soil Vapor

Collection Date/Time
April 15, 2020 3:30 pm

Date Received
04/16/2020

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
71-43-2	Benzene	1.3		ug/m ³	0.48	1.515	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 14:14	LLJ
100-44-7	Benzyl chloride	ND		ug/m ³	0.78	1.515	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 14:14	LLJ
75-27-4	Bromodichloromethane	ND		ug/m ³	1.0	1.515	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 14:14	LLJ
75-25-2	Bromoform	ND		ug/m ³	1.6	1.515	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 14:14	LLJ
74-83-9	Bromomethane	ND		ug/m ³	0.59	1.515	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 14:14	LLJ
75-15-0	Carbon disulfide	1.2		ug/m ³	0.47	1.515	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 14:14	LLJ
56-23-5	Carbon tetrachloride	0.76		ug/m ³	0.24	1.515	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 14:14	LLJ
108-90-7	Chlorobenzene	ND		ug/m ³	0.70	1.515	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 14:14	LLJ
75-00-3	Chloroethane	ND		ug/m ³	0.40	1.515	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 14:14	LLJ
67-66-3	Chloroform	14		ug/m ³	0.74	1.515	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 14:14	LLJ
74-87-3	Chloromethane	1.0		ug/m ³	0.31	1.515	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 14:14	LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.15	1.515	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 14:14	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.69	1.515	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 14:14	LLJ
110-82-7	Cyclohexane	1.8		ug/m ³	0.52	1.515	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 14:14	LLJ
124-48-1	Dibromochloromethane	ND		ug/m ³	1.3	1.515	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 14:14	LLJ
75-71-8	Dichlorodifluoromethane	3.1		ug/m ³	0.75	1.515	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 14:14	LLJ
141-78-6	* Ethyl acetate	1.8		ug/m ³	1.1	1.515	EPA TO-15 Certifications:	04/22/2020 12:00	04/23/2020 14:14	LLJ
100-41-4	Ethyl Benzene	2.5		ug/m ³	0.66	1.515	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 14:14	LLJ
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.6	1.515	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 14:14	LLJ
67-63-0	Isopropanol	91		ug/m ³	0.74	1.515	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 14:14	LLJ
80-62-6	Methyl Methacrylate	27		ug/m ³	0.62	1.515	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 14:14	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.55	1.515	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 14:14	LLJ
75-09-2	Methylene chloride	ND		ug/m ³	1.1	1.515	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 14:14	LLJ



Sample Information

Client Sample ID: SV-Duplicate

York Sample ID: 20D0469-05

York Project (SDG) No.
20D0469

Client Project ID
190740 659 E. 222 St

Matrix
Soil Vapor

Collection Date/Time
April 15, 2020 3:30 pm

Date Received
04/16/2020

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
142-82-5	n-Heptane	5.4		ug/m³	0.62	1.515	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 14:14	LLJ
110-54-3	n-Hexane	3.7		ug/m³	0.53	1.515	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 14:14	LLJ
95-47-6	o-Xylene	3.0		ug/m³	0.66	1.515	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 14:14	LLJ
179601-23-1	p- & m- Xylenes	10		ug/m³	1.3	1.515	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 14:14	LLJ
622-96-8	* p-Ethyltoluene	3.4		ug/m³	0.74	1.515	EPA TO-15 Certifications:	04/22/2020 12:00	04/23/2020 14:14	LLJ
115-07-1	* Propylene	ND		ug/m³	0.26	1.515	EPA TO-15 Certifications:	04/22/2020 12:00	04/23/2020 14:14	LLJ
100-42-5	Styrene	1.7		ug/m³	0.65	1.515	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 14:14	LLJ
127-18-4	Tetrachloroethylene	7.2		ug/m³	1.0	1.515	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 14:14	LLJ
109-99-9	* Tetrahydrofuran	2.8		ug/m³	0.89	1.515	EPA TO-15 Certifications:	04/22/2020 12:00	04/23/2020 14:14	LLJ
108-88-3	Toluene	5.7		ug/m³	0.57	1.515	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 14:14	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.60	1.515	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 14:14	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.69	1.515	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 14:14	LLJ
79-01-6	Trichloroethylene	ND		ug/m³	0.20	1.515	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 14:14	LLJ
75-69-4	Trichlorofluoromethane (Freon 11)	2.0		ug/m³	0.85	1.515	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 14:14	LLJ
108-05-4	Vinyl acetate	ND		ug/m³	0.53	1.515	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 14:14	LLJ
593-60-2	Vinyl bromide	ND		ug/m³	0.66	1.515	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 14:14	LLJ
75-01-4	Vinyl Chloride	ND		ug/m³	0.19	1.515	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 12:00	04/23/2020 14:14	LLJ
Surrogate Recoveries		Result	Acceptance Range							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	107 %	70-130							



Analytical Batch Summary

Batch ID: BD00924

Preparation Method: EPA TO15 PREP

Prepared By: AS

YORK Sample ID	Client Sample ID	Preparation Date
20D0469-01	SV-1	04/22/20
20D0469-02	SV-2	04/22/20
20D0469-03	SV-3	04/22/20
20D0469-04	SV-4	04/22/20
20D0469-05	SV-Duplicate	04/22/20
BD00924-BLK1	Blank	04/22/20
BD00924-BS1	LCS	04/22/20



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 BD00924 - EPA TO15 PREP											
Blank (BD00924-BLK1)										Prepared & Analyzed: 04/22/2020	
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	"								



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 BD00924 - EPA TO15 PREP

Blank (BD00924-BLK1)

Prepared & Analyzed: 04/22/2020

n-Heptane	ND	0.41	ug/m ³								
n-Hexane	ND	0.35	"								
o-Xylene	ND	0.43	"								
p- & m- Xylenes	ND	0.87	"								
p-Ethyltoluene	ND	0.49	"								
Propylene	ND	0.17	"								
Styrene	ND	0.43	"								
Tetrachloroethylene	ND	0.68	"								
Tetrahydrofuran	ND	0.59	"								
Toluene	ND	0.38	"								
trans-1,2-Dichloroethylene	ND	0.40	"								
trans-1,3-Dichloropropylene	ND	0.45	"								
Trichloroethylene	ND	0.13	"								
Trichlorofluoromethane (Freon 11)	ND	0.56	"								
Vinyl acetate	ND	0.35	"								
Vinyl bromide	ND	0.44	"								
Vinyl Chloride	ND	0.13	"								

Surrogate: SURR: p-Bromofluorobenzene	9.06		ppbv	10.0		90.6	70-130				
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LCS (BD00924-BS1)

Prepared & Analyzed: 04/22/2020

1,1,1,2-Tetrachloroethane	9.97		ppbv	10.0		99.7	70-130				
1,1,1-Trichloroethane	10.3		"	10.0		103	70-130				
1,1,2,2-Tetrachloroethane	10.1		"	10.0		101	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.4		"	10.0		104	70-130				
1,1,2-Trichloroethane	10.1		"	10.0		101	70-130				
1,1-Dichloroethane	10.3		"	10.0		103	70-130				
1,1-Dichloroethylene	10.4		"	10.0		104	70-130				
1,2,4-Trichlorobenzene	7.56		"	10.0		75.6	70-130				
1,2,4-Trimethylbenzene	10.3		"	10.0		103	70-130				
1,2-Dibromoethane	10.2		"	10.0		102	70-130				
1,2-Dichlorobenzene	10.9		"	10.0		109	70-130				
1,2-Dichloroethane	10.3		"	10.0		103	70-130				
1,2-Dichloropropane	9.79		"	10.0		97.9	70-130				
1,2-Dichlorotetrafluoroethane	9.98		"	10.0		99.8	70-130				
1,3,5-Trimethylbenzene	9.99		"	10.0		99.9	70-130				
1,3-Butadiene	9.37		"	10.0		93.7	70-130				
1,3-Dichlorobenzene	11.0		"	10.0		110	70-130				
1,3-Dichloropropane	9.80		"	10.0		98.0	70-130				
1,4-Dichlorobenzene	11.2		"	10.0		112	70-130				
1,4-Dioxane	9.75		"	10.0		97.5	70-130				
2-Butanone	10.2		"	10.0		102	70-130				
2-Hexanone	10.4		"	10.0		104	70-130				
3-Chloropropene	10.1		"	10.0		101	70-130				
4-Methyl-2-pentanone	10.2		"	10.0		102	70-130				
Acetone	9.56		"	10.0		95.6	70-130				
Acrylonitrile	10.6		"	10.0		106	70-130				
Benzene	10.0		"	10.0		100	70-130				
Benzyl chloride	8.82		"	10.0		88.2	70-130				
Bromodichloromethane	10.0		"	10.0		100	70-130				
Bromoform	10.6		"	10.0		106	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 BD00924 - EPA TO15 PREP

LCS (BD00924-BS1)

Prepared & Analyzed: 04/22/2020

Bromomethane	10.1		ppbv	10.0		101	70-130				
Carbon disulfide	10.6		"	10.0		106	70-130				
Carbon tetrachloride	10.8		"	10.0		108	70-130				
Chlorobenzene	9.87		"	10.0		98.7	70-130				
Chloroethane	10.6		"	10.0		106	70-130				
Chloroform	10.3		"	10.0		103	70-130				
Chloromethane	7.96		"	10.0		79.6	70-130				
cis-1,2-Dichloroethylene	10.4		"	10.0		104	70-130				
cis-1,3-Dichloropropylene	10.4		"	10.0		104	70-130				
Cyclohexane	10.5		"	10.0		105	70-130				
Dibromochloromethane	10.4		"	10.0		104	70-130				
Dichlorodifluoromethane	11.6		"	10.0		116	70-130				
Ethyl acetate	12.4		"	10.0		124	70-130				
Ethyl Benzene	9.38		"	10.0		93.8	70-130				
Hexachlorobutadiene	10.7		"	10.0		107	70-130				
Isopropanol	10.0		"	10.0		100	70-130				
Methyl Methacrylate	9.76		"	10.0		97.6	70-130				
Methyl tert-butyl ether (MTBE)	10.1		"	10.0		101	70-130				
Methylene chloride	9.26		"	10.0		92.6	70-130				
n-Heptane	10.2		"	10.0		102	70-130				
n-Hexane	10.5		"	10.0		105	70-130				
o-Xylene	9.62		"	10.0		96.2	70-130				
p- & m- Xylenes	19.7		"	20.0		98.4	70-130				
p-Ethyltoluene	10.4		"	10.0		104	70-130				
Propylene	9.72		"	10.0		97.2	70-130				
Styrene	10.4		"	10.0		104	70-130				
Tetrachloroethylene	7.50		"	10.0		75.0	70-130				
Tetrahydrofuran	10.4		"	10.0		104	70-130				
Toluene	9.53		"	10.0		95.3	70-130				
trans-1,2-Dichloroethylene	10.8		"	10.0		108	70-130				
trans-1,3-Dichloropropylene	10.3		"	10.0		103	70-130				
Trichloroethylene	10.2		"	10.0		102	70-130				
Trichlorofluoromethane (Freon 11)	10.0		"	10.0		100	70-130				
Vinyl acetate	8.43		"	10.0		84.3	70-130				
Vinyl bromide	10.1		"	10.0		101	70-130				
Vinyl Chloride	7.54		"	10.0		75.4	70-130				
Surrogate: SURR: p-Bromofluorobenzene	9.90		"	10.0		99.0	70-130				





Sample and Data Qualifiers Relating to This Work Order

TO-VAC The final vacuum in the canister was less than -2 inches Hg vacuum. The time integrated sampling may be affected and not reflect proper sampling over the time period. The data user should take note.

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. 20DD469

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.

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