
PHASE II ENVIRONMENTAL SITE INVESTIGATION REPORT

for

**111 WASHINGTON STREET
New York, New York**

Prepared for:

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LANGAN

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INTRODUCTION

Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan) prepared this Phase II Environmental Site Investigation (ESI) report on behalf of Grubb Properties for the property located at 111 Washington Street (also known as 8 Carlisle Street) in the Financial District of New York, New York (the site). The Phase II ESI was performed to investigate Recognized Environmental Conditions (REC) identified in Langan's September 2021 Phase I Environmental Site Assessment (ESA), identify subsurface conditions that may affect future construction/development activities, and to provide a data set that can be used to evaluate eligibility of the site for enrollment in the New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP).

The site is identified as Block 53, Lot 12 on the Manhattan Borough Tax Map. The site is about 11,255 square feet in area and is currently a gravel-covered vacant lot with overgrown vegetation and an asphalt-paved driveway in the northwestern part of the site. The site is characterized by generally level terrain. Based on a previous geotechnical report prepared by others, elevations along the adjoining Carlisle and Washington Street sidewalks range from approximately elevation (el.) of 5 feet above mean sea level (msl), relative to the North American Vertical Datum of 1988 (NAVD88) to el. 7 feet NAVD88.

The site is bound by Carlisle Street followed by a multi-story mixed use commercial and residential building to the north, three multi-story residential and/or commercial buildings to the east, a multi-story residential building to the south, and Washington Street followed by two multi-story residential and/or commercial buildings to the west. The site is located in a C6-9 zoning district, which typically includes a wide range of commercial and mixed use buildings. A Site Location Map is included as Figure 1.

ENVIRONMENTAL HISTORY

According to Langan's September 2021 Phase I ESA, historical uses of environmental concern for the site include a scrap metal dealer in 1934, a rental car facility with on-site refueling of vehicles from 1978 to 1983, petroleum bulk storage including a 4,000-gallon underground storage tank (UST) that was closed in place at the site in 1997, and a drycleaner from 2001 to 2006. Historical use/operations of environmental concern at adjoining and surrounding properties include a laundromat, a drycleaner, a gasoline service station, a coal yard, an auto export, an iron and steel works, a chemical facility, and a metals facility.

A previous environmental site investigation was performed by Langan in January 2011 to evaluate potential impacts from the 4,000-gallon gasoline UST that was closed-in-place in 1997. The investigation documented petroleum-impacted soil near the UST in the southern part of the site, including staining, petroleum-like odors, and concentrations of select volatile organic compounds (VOC) above the Commissioner's Policy (CP)-51 Soil Cleanup Levels (SCL) for gasoline-contaminated soil and the Title 6 New York Codes, Rules, and Regulations (6 NYCRR) Part 375 Unrestricted Use (UU) Soil Cleanup Objectives (SCO).

Previous reports also identified the site within the 100-year floodplain based on the Federal Emergency Management Agency (FEMA) Preliminary Flood Insurance Rate Map (FIRM) Panel No. 3604970184G (dated December 5, 2013) and note that any proposed building will need to be designed in accordance with the requirements of the NYCDOB Code, Appendix G – Flood Resistant Construction¹.

Previous reports are summarized in more detail in the September 2021 Phase I ESA.

¹ Modifications to Appendix G freeboard requirements that would add another foot of freeboard to the design flood elevation (DFE) are anticipated to go into effect next year.

PHASE II ENVIRONMENTAL SITE INVESTIGATION

The Phase II ESI was conducted between October 8 and 11, 2021, and consisted of a geophysical survey; advancement of 13 soil borings; installation of 3 temporary monitoring wells; installation of 3 soil vapor points; and collection and laboratory analysis of 17 soil samples, 3 groundwater samples, 3 soil vapor samples, and 1 ambient air sample. A sample matrix is provided as Table 1. Sample locations are shown on Figure 2.

Geophysical Survey

Prior to drilling activities, Nova Geophysical Services (NOVA) of Douglaston, New York conducted a geophysical survey at the proposed sampling locations and the reported location of the UST in the southern part of the site. The survey included the use of ground-penetrating radar (GPR) and electromagnetic (EM) detectors to locate potential subsurface utilities, USTs, and/or subsurface anomalies, and to clear proposed boring locations. A copy of the geophysical survey report is provided in Appendix A.

Soil Investigation and Sampling Methodology

The soil investigation included the advancement of thirteen soil borings (SB01 through SB13) by Lakewood Environmental Services Corp. of Smithtown, New York (Lakewood) under observation by Langan field personnel. Soil boring locations are shown in Figure 2.

The soil borings were advanced using a Geoprobe® 54LT direct-push drilling rig to depths of about 20 feet below grade surface (bgs). Soil borings were advanced to at least 5 feet into the groundwater table throughout the site. Soil borings SB08 through SB13 were advanced at the site to delineate field observations of apparent petroleum impacts identified within the initial seven soil borings. Soil samples were not collected from SB10 and SB11 because the borings were advanced to investigate physical evidence of potential petroleum- or chemical-like impacts only and no evidence of petroleum- or chemical-like contamination was observed.

Soil samples were collected into MacroCore® barrels lined with four-foot dedicated acetate sleeves. Extracted soil was screened with a photoionization detector (PID) equipped with a 10.6 electron volt (eV) lamp, inspected for visual and olfactory evidence of contamination, and classified by Langan field personnel. Soil boring logs are provided in Appendix B.

Up to three grab samples were collected from each boring for laboratory analysis. Soil samples were collected from shallow historic fill (about 0 to 5 feet bgs), deeper historic fill (about 5 to 15 feet bgs), or the interval exhibiting the greatest visual, olfactory, and/or instrumental evidence of contamination.

Soil samples were collected into laboratory-supplied clean glassware and TerraCore® samplers (VOC samples only) and submitted to York Analytical Laboratories, Inc. (York) via courier service under standard chain-of-custody protocol. York is a New York State Department of Health

(NYSDOH) Environmental Laboratory Approval Program (ELAP)-certified laboratory (ELAP Number 10854) located in Stratford, Connecticut. New York Analytical Services Protocols (ASP) Category B laboratory reports were provided by York. Soil samples were analyzed for one or more of the following parameters:

- Target Compound List (TCL) VOCs by United States Environmental Protection Agency (USEPA) Method 8260C
- TCL semivolatile organic compounds (SVOC) by USEPA Method 8270D
- Pesticides by USEPA Method 8081B
- Polychlorinated biphenyls (PCB) by USEPA Method 8082A
- Target Analyte List (TAL) metals by USEPA Method 6010D
- Hexavalent chromium by USEPA 7196A
- Trivalent chromium by USEPA 3060/107
- Toxicity Characteristic Leaching Procedure (TCLP) lead by USEPA Method 1311

A summary of the soil sample analyses is provided in Table 1. With the exception of borings SB01, SB02, and SB03, which were converted to temporary groundwater monitoring wells, the soil borings were backfilled with clean soil cuttings to surface grade.

Groundwater Investigation and Sampling Methodology

Three one-inch-diameter temporary groundwater monitoring wells (TMW01, TMW02, and TMW03) were installed by Lakewood in select boring locations (SB01, SB02, and SB03) under observation by Langan field personnel. Monitoring well locations are shown on Figure 2.

The temporary monitoring wells were constructed using a Geoprobe® 54LT direct-push drilling rig. Monitoring wells were constructed by placing a 10-foot-long, 1-inch-diameter, 0.01-inch slotted polyvinyl chloride (PVC) well screen across the observed groundwater table and connecting it to a solid PVC riser to about 2 feet above grade surface.

One groundwater sample was collected from each temporary monitoring well in general accordance with NYSDEC Division of Environmental Remediation (DER)-10 and USEPA's Low Flow Purging and Sampling Procedures for the Collection of Groundwater Samples from Monitoring Wells. The groundwater samples were collected using a peristaltic pump and dedicated Teflon-lined polyethylene tubing. Before a groundwater sample was collected, wells were gauged and continuously purged until groundwater parameters (pH, conductivity, turbidity, dissolved oxygen, temperature, and oxidation-reduction potential) stabilized, to the extent practical, in accordance with the USEPA Low Flow Procedures. Criteria for stabilization were three consecutive readings, each five minutes apart, of all parameters within the limits specified in the USEPA Low Flow Procedures. A multi-parameter water quality system (Horiba U-52) was used to monitor the groundwater quality parameters during sampling. Turbidity levels did not stabilize during purging of the three monitoring wells and each well was sampled after 1 hour of purging. Purged groundwater was disposed of in one 55-gallon drum; the drum was placed in a

secure location in preparation for off-site disposal.

Groundwater samples were collected directly into laboratory-supplied containers and submitted via courier service to York under standard chain-of-custody protocol. Groundwater sampling logs are provided in Appendix C. Groundwater samples were analyzed for the following parameters:

- TCL VOCs by USEPA Method 8260C
- TCL SVOCs by USEPA Method 8270D
- TCL Pesticides by USEPA Method 8081B
- TCL PCBs by USEPA Method 8082A
- TAL metals (total and dissolved) by USEPA Method 6010 and 7471
- Hexavalent chromium (total and dissolved) by USEPA Method 3060/7196
- Trivalent chromium (total and dissolved) by USEPA Method 3060

A summary of the groundwater sample analyses is provided in Table 1.

Following groundwater sample collection, the well screens and risers of the monitoring wells were removed from the ground and boreholes were backfilled with No. 2 sand and/or clean soil cuttings to surface grade.

Soil Vapor Investigation and Sampling Methodology

Three soil vapor points (SV01 through SV03) were installed by Lakewood under observation by Langan field personnel and three soil vapor and one ambient air sample was collected. Soil vapor and ambient air sampling locations are shown on Figure 2.

The soil vapor sampling points were installed using a Geoprobe® 54LT direct-push drilling rig to depths of about 10 feet bgs (about 2 feet above the groundwater table). Each sample collection point consisted of a 2-inch-long polyethylene probe and inert, ¼-inch-inner diameter by 3/16-inch-outer diameter Teflon-lined polyethylene tubing. The annulus (i.e., the sampling zone) around the probe was filled with No. 2 sand to about six inches above the top of the probe screen and sealed to the surface with hydrated bentonite. After sample collection, the vapor point was removed, backfilled with No. 2 sand, and the ground surface restored with hydrated bentonite.

The soil vapor and ambient air samples were collected in general accordance with NYSDOH guidance. Before collecting the soil vapor sample, a minimum of three implant volumes (i.e., the volume of the sample probe and tubing) was purged from the sample port at a rate of less than 0.2 liters per minute using a RAE Systems MultiRAE® meter. The purged soil vapor was monitored for VOCs with the MultiRAE® during purging.

A helium tracer gas was used in accordance with the NYSDOH protocols to serve as a quality assistance/quality control (QA/QC) technique to document the integrity of the soil vapor sampling point seal before and after sampling. The tracer gas was introduced into a container placed upside down over the sample point and sealed to the ground with bentonite; the container acted as a

shroud for the vapor point and seal. Helium was measured from the sampling tube and inside the container. The sample tubing at each soil vapor sampling point did not contain more than 10% of the tracer gas concentration that was introduced into the container, therefore, the seals at each location were considered adequate for sampling.

After the integrity of each seal was confirmed, soil vapor samples were collected for a 2-hour sampling period into laboratory-supplied clean 6-liter Summa® canisters calibrated with flow controllers. The ambient air sample was collected concurrently with the soil vapor samples into a laboratory-supplied clean 6-liter Summa® canister calibrated with a flow controller. A log sheet for the soil vapor and ambient air sampling event was completed to record the following information:

- Sample identification name
- Date and time of sample collection
- Sampling depth
- Name of field geologist responsible for sampling
- Sampling methods and equipment
- Soil vapor purge volumes
- Volume of soil vapor extracted
- Flow rate
- Vacuum of canisters before and after sample collection

Soil vapor samples were submitted to York via courier service under standard chain-of-custody protocol and analyzed for VOCs by USEPA Method TO-15. The soil vapor sampling logs are provided in Appendix D.

OBSERVATIONS AND RESULTS

Geophysical Survey

The geophysical survey identified various, scattered anomalies throughout the site and an anomaly consistent with a UST in the southern part of the site. The geophysical survey report is included in Appendix A.

Field Observations

Soil borings were completed to depths of about 20 feet bgs. The subsurface stratigraphy generally consists of tan to brown, fine- to medium-grained sand with varying amounts of gravel, silt, brick, wood, coal ash, slag, glass, metal, and organics extending to between 16 and 20 feet bgs. The historic fill layer is underlain by native soil consisting of dark brown to gray silt with varying amounts of fine-grained sand and shell fragments. Bedrock was not encountered during the Phase II ESI; however, bedrock was encountered at depths ranging from 46 to 53 feet bgs during a geotechnical investigation completed by Langan in December 2011.

Visual, olfactory, and/or PID evidence of petroleum-like impacts were identified in 9 of the 13 soil borings and are summarized in the table below.

Boring ID	Location	Evidence of impacts	Depth of impacts (feet bgs)	Maximum PID reading
SB01	Southeastern part of the site	PID readings above background	11 to 12	111 parts per million (ppm)
SB03	Northeastern part of the site	PID readings above background	0 to 19.5	12.2 ppm
SB04	Northern part of the site	PID readings above background	0 to 16	21.2 ppm
SB05	Western part of the site	PID readings above background	0 to 3	5.8 ppm
SB06	Central part of the site	PID readings above background	16	20 ppm
SB08	Southern part of the site	Petroleum-like odor, PID readings above background	1.5 to 17.5	319.9 ppm
SB09	Southern part of the site	Petroleum-like odor, PID readings above background	4 to 16	57.9 ppm
SB12	Southern part of the site	Petroleum-like odor, PID readings above background	8 to 18	383.5 ppm

Boring ID	Location	Evidence of impacts	Depth of impacts (feet bgs)	Maximum PID reading
SB13	Southeastern part of the site	Petroleum-like odor, PID readings above background	8 to 20	228.6 ppm

The elevated PID readings and petroleum-like odors were observed from 0 to 20 feet bgs within the historic fill layer and capillary fringe. Impacts, including PID readings above background, were also identified within the groundwater table.

Depth to groundwater ranged from approximately 11.63 feet in the south-central part of the site (TMW02) to approximately 12.19 feet in the southeastern part of the site (TMW01). PID readings up to 112.9 ppm were observed in the headspace of TMW01. Monitoring wells were not surveyed during the Phase II ESI and a synoptic gauging event was not performed; however, regional groundwater likely flows to the west and/or southwest based on the local topography and proximity of a nearby surface water body (the Hudson River).

Soil Sample Analytical Results

Seventeen soil samples were collected from ten soil borings (SB01, through SB06, SB08, SB09, SB12, and SB13) for laboratory analysis. Soil sample analytical results were compared to the 6 NYCRR Part 375 Unrestricted Use (UU) and Restricted Use Restricted-Residential (RURR) SCOs. Soil sample analytical results are summarized in Table 2 and shown on Figure 3. Analytical laboratory data reports are included in Appendix E.

VOCs

One or more of seven VOCs were detected at concentrations exceeding the UU SCOs in four soil samples collected from discrete intervals between 1 to 15 feet bgs in four soil borings (SB06, SB08, SB12, and SB13). The table below provides concentration ranges of VOCs that exceeded the UU SCOs. No VOCs exceeded the RURR SCOs.

Analyte	Range of Concentration Detected above UU SCOs		UU SCO	RURR SCO
	Low (mg/kg)	High (mg/kg)		
1,2,4-Trimethylbenzene	15 in SB08_3-5		3.6	52
Acetone	0.053 in SB06_1-3	0.5 in SB08_3-5	0.05	100
Benzene	0.26 in SB13_13-15	0.59 in SB08_3-5	0.06	4.8
Ethylbenzene	4.4 in SB08_3-5		1	41
n-Propylbenzene	12 in SB13_13-15	16 in SB12_9-11	3.9	100
Toluene	27 in SB08_3-5		0.7	100
Total Xylenes	50 in SB08_3-5		0.26	100

SVOCs

One or more of seven SVOCs were detected at concentrations exceeding the UU and/or RURR SCOs in three soil samples collected from discrete intervals between 1 to 8 feet bgs in three soil borings (SB01, SB03, and SB05). The table below provides concentration ranges of SVOCs that exceeded the UU SCOs. SVOC concentrations exceeding the RURR SCOs are shown in **bold**.

Analyte	Range of Concentrations above UU SCOs		UU SCO	RURR SCO
	Low (mg/kg)	High (mg/kg)		
Benzo(a)anthracene	1.28 in SB03_1-3	1.8 in SB01_3-5	1	1
Benzo(a)pyrene	1.82 in SB05_6-8	2.22 in SB01_3-5	1	1
Benzo(b)fluoranthene	1.29 in SB05_6-8	2.16 in SB01_3-5	1	1
Benzo(k)fluoranthene	0.829 in SB03_1-3	1.82 in SB01_3-5	0.8	3.9
Chrysene	1.23 in SB03_1-3	2.15 in SB01_3-5	1	3.9
Dibenz(a,h)anthracene	0.475 in SB05_6-8	0.475 in SB05_6-8	0.33	0.33
Indeno(1,2,3-cd)pyrene	0.804 in SB03_1-3	1.12 in SB05_6-8	0.5	0.5

Pesticides

Three pesticides were detected at concentrations exceeding the UU SCOs in one soil sample collected from 6 to 8 feet bgs in soil boring SB05. The table below provides the concentrations of pesticides that exceeded the UU SCOs. No pesticides exceeded the RURR SCOs.

Analyte	Range of Concentrations Detected above UU SCOs		UU SCOs	RURR SCOs
	Low (mg/kg)	High (mg/kg)		
4,4'-DDD	0.0204 in SB05_6-8		0.0033	13
4,4'-DDE	0.0273 in SB05_6-8		0.0033	8.9
4,4'-DDT	0.236 in SB05_6-8		0.0033	7.9

Metals

One or more of nine metals were detected at concentrations exceeding the UU and/or RURR SCOs in six soil samples collected from discreet intervals between 1 to 16 feet bgs in four soil borings (SB02, SB03, SB04, and SB05). The table below provides concentration ranges of metals that exceeded the UU SCOs. Metal concentrations detected above the RURR SCOs are shown in **bold**.

Analyte	Range of Concentrations Detected above UU SCOs		UU SCO	RURR SCO
	Low (mg/kg)	High (mg/kg)		
Arsenic	19.1 in SB05_6-8		13	16
Barium	395 in SB03_1-3		350	400
Chromium, Trivalent	222 in SB05_6-8		30	180
Copper	60.4 in SB04_2-4	160 in SB05_6-8	50	270
Lead	86.5 in SB04_14-16	3700 in SB03_1-3	63	400
Mercury	1.54 in SB04_2-4	3.55 in SB05_6-8	0.18	0.81
Nickel	32.7 in SB05_1-3	89.6 in SB02_9-11	30	310
Silver	2.46 in SB05_6-8		2	180
Zinc	285 in SB04_2-4	424 in SB05_6-8	109	10,000

The one sample (SB03_1-3) analyzed for TCLP lead did not exhibit lead above the Resource Conservation and Recovery Act (RCRA) Characteristics of Hazardous Waste Level (5 milligrams per kilogram [mg/kg]).

PCBs

No PCBs were detected in any soil sample.

Groundwater Sample Analytical Results

Groundwater sample analytical results were compared to the NYSDEC Title 6 NYCRR Part 703.5 and the NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values for Class GA water (collectively the NYSDEC SGVs). Groundwater sample analytical results are summarized in Table 3 and shown on Figure 4. Analytical laboratory data reports are included in Appendix E.

Metals

One or more of three metals (iron, manganese and sodium) exceeded the NYSDEC SGVs at total and dissolved concentrations in all three groundwater samples. The table below provides concentration ranges of metals (total and dissolved) that exceeded the NYSDEC SGVs.

Analyte	Range of Concentrations Detected above NYSDEC SGVs		NYSDEC SGVs
	Low (µg/L)	High (µg/L)	
Iron	2,530 in TMW02_101121	3,610 in TMW01_101121	300
Iron (Dissolved)	735 in TMW01_101121		300
Manganese	1,200 in TMW03_101121	1,770 in TMW01_101121	300
Manganese (Dissolved)	953 in TMW02_101121	1,810 in TMW01_101121	300
Sodium	48,300 in TMW02_101121	176,000 in TMW03_101121	20,000
Sodium (Dissolved)	29,400 in TMW02_101121	183,000 in TMW03_101121	20,000

VOCs and SVOCs

No VOCs and SVOCs were detected at concentrations exceeding the NYSDEC SGVs.

Soil Vapor Sample Analytical Results

Three soil vapor samples (SV01 through SV03) and one ambient air sample (AA01) were collected for laboratory analysis. Soil vapor sample results were evaluated using the NYSDOH October 2006 Guidance for Evaluating Soil Vapor Intrusion in the State of New York Decision Matrices for Sub-Slab Vapor and Indoor Air and subsequent updates (2017). The NYSDOH Decision Matrices (Matrices A, B, and C) address eight compounds including 1,1,1-trichloroethane (1,1,1-TCA), cis-1,2-dichloroethene, 1,1-dichloroethene, carbon tetrachloride, methylene chloride, tetrachloroethene (PCE), trichloroethene (TCE), and vinyl chloride. The matrix evaluation requires soil vapor data and indoor air data. In the absence of indoor air sampling data, soil vapor results

were applied to the lowest concentration for which monitoring or mitigation is recommended in the NYSDOH Decision Matrices A, B, and C. Soil vapor sample analytical results are summarized in Table 4 and shown on Figure 5. Analytical laboratory data reports are provided in Appendix E.

- 1,1-dichloroethene, cis-1,2-dichloroethene, carbon tetrachloride, TCE, and vinyl chloride were not detected in soil vapor.
- 1,1,1-TCA was detected in soil vapor sample SV03 at a concentration of 1.8 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$). An evaluation of 1,1,1-TCA concentrations using the NYSDOH Decision Matrix B yields recommendations ranging from no further action to identify the source(s) and resample or mitigate.
- Methylene chloride was detected in soil vapor sample SV02 at a concentration of 40 $\mu\text{g}/\text{m}^3$. An evaluation of methylene chloride using the NYSDOH Decision Matrix B yields recommendations ranging from no further action to identify the source(s) and resample or mitigate.
- PCE was detected in soil vapor samples SV02 and SV03 at concentrations of 6.1 $\mu\text{g}/\text{m}^3$ and 26 $\mu\text{g}/\text{m}^3$. An evaluation of PCE using the NYSDOH Decision Matrix B yields recommendations ranging from no further action to identify the source(s) and resample or mitigate.

FINDINGS AND CONCLUSIONS

Our findings and conclusions are summarized as follows:

- Geophysical Survey: The geophysical survey identified various scattered anomalies throughout the site and an anomaly consistent with a UST in the southern part of the site.
- Stratigraphy: A historic fill layer was observed from surface grade to between 16 and 20 feet bgs (boring termination depth) throughout the site and generally consisted of tan to brown, fine- to medium-grained sand with varying amounts of gravel, silt, brick, wood, coal ash, slag, glass, metal, and organics. The historic fill layer is underlain by native soil consisting of dark brown to gray silt with varying amounts of fine-grained sand and shell fragments. Bedrock was not encountered during the Phase II ESI; however, bedrock was encountered at depths ranging from 46 to 53 feet bgs during geotechnical investigation completed by Langan in December 2011.
- Hydrogeology: Depth to groundwater ranges from 11.63 feet bgs in the south-central part of the site to 12.19 feet in the southeastern part of the site based on groundwater measurements collected before well purging and sampling. Groundwater flow at the site was not evaluated during the Phase II ESI, but likely flows to the west and/or the southwest in the direction of the Hudson River / Upper New York Bay based on hydrogeological principles.
- Soil Sample Analytical Results:
 - Historic fill contains contaminants including VOCs, SVOCs, pesticides, and metals exceeding the UU and/or RURR SCOs. The presence of SVOCs, pesticides, and metals is attributed to the quality of the historic fill. The presence of VOCs is likely related to historical site use, including refueling operations and the use of an underground petroleum bulk storage tank.
- Groundwater Sample Analytical Results:
 - Groundwater contains iron, magnesium, and sodium at total and dissolved concentrations exceeding the NYSDEC SGVs. These metals are commonly detected in groundwater above the NYSDEC SGVs and their presence in groundwater at the site is representative of naturally-occurring and/or regional groundwater conditions.
- Soil Vapor Sample Analytical Results:
 - 1,1,1-TCA, methylene chloride, and PCE were detected in soil vapor samples at concentrations for which the NYSDOH Decision Matrices recommendations range from no further action to identify the source(s) and resample or mitigate. The presence of these VOCs within soil vapor at the site are attributed to an unidentified source.
- Petroleum Contamination:
 - Evidence of petroleum impacts, including odors, PID readings above background,

and/or concentrations of petroleum-related VOCs exceeding regulatory standards, were observed in nine of thirteen borings (SB01, SB03, SB04, SB05, SB06, SB08, SB09, SB12, and SB13). Analytical soil data identified the presence of petroleum-related VOCs and SVOCs in soil. The residual contamination is attributed to historical site use, including refueling operations and the use of an underground petroleum bulk storage tank.

- Based on observations of a petroleum release at the site, a spill was reported to the NYSDEC on November 12, 2021. Spill No. 2107485 was assigned to the release.
- Redevelopment Considerations: The future intended use of the site is mixed-use commercial and residential, which includes affordable housing. Laboratory analytical data shows that contaminants in soil were detected at concentrations exceeding the applicable regulatory standards and guidance values for the future intended use of the site.

LIMITATIONS

This Phase II ESI report was prepared expressly for Grubb Properties for the property located at 111 Washington Street in the Financial District of New York, New York, and for the objectives defined herein. Langan cannot assume responsibility for the use of this report for any property other than the specific site addressed in this report, or by any third party without specific written authorization from Langan.

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

TABLES

Table 1
Phase II Environmental Site Investigation
Sample Summary

111 Washington Street
New York, New York
Langan Project No.: 170695201

No.	Location	Sample Name	Sample Depth (feet bgs)	Date Sampled	Rationale	Analysis
SOIL						
1	SB01	SB01_3-5	3 to 5	10/9/2021	Shallow historic fill	Part 375/TCL VOCs, SVOCs, pesticides, PCBs, and TAL metals (including hexavalent and trivalent chromium)
2		SB01_10-12	10 to 12	10/9/2021	Interval of greatest impacts observed	
3	SB02	SB02_9-11	9 to 11	10/9/2021	Interval of greatest impacts observed	
4	SB03	SB03_1-3	1 to 3	10/8/2021	Shallow historic fill	Part 375/TCL VOCs, SVOCs, pesticides, PCBs, TAL metals (including hexavalent and trivalent chromium), and TCLP lead
5		SB03_6-8	6 to 8	10/8/2021	Deep historic fill	Part 375/TCL VOCs, SVOCs, pesticides, PCBs, and TAL metals (including hexavalent and trivalent chromium)
6		SB03_10-12	10 to 12	10/8/2021	Interval of greatest impacts observed	
7	SB04	SB04_2-4	2 to 4	10/8/2021	Shallow historic fill	
8		SB04_14-16	14 to 16	10/8/2021	Interval of greatest impacts observed	
9	SB05	SB05_1-3	1 to 3	10/8/2021	Shallow historic fill and interval of greatest impacts observed	
10		SB05_6-8	6 to 8	10/8/2021	Deep historic fill	
11	SB06	SB06_1-3	1 to 3	10/8/2021	Shallow historic fill	
12		SB06_14-16	14 to 16	10/8/2021	Deep historic fill	
13	SB08	SB08_3-5	3 to 5	10/9/2021	Shallow historic fill	
14		SB08_14-16	14 to 16	10/9/2021	Interval of greatest impacts observed	
15	SB09	SB09_12-14	12 to 14	10/9/2021	Interval of greatest impacts observed	
16	SB12	SB12_9-11	9 to 11	10/11/2021	Interval of greatest impacts observed	Part 375/TCL VOCs
17	SB13	SB13_13-15	13 to 15	10/11/2021	Interval of greatest impacts observed	

Table 1
Phase II Environmental Site Investigation
Sample Summary

111 Washington Street
New York, New York
Langan Project No.: 170695201

No.	Location	Sample Name	Sample Depth (feet bgs)	Date Sampled	Rationale	Analysis
GROUNDWATER						
1	TMW01	TMW01_101121	15	10/11/2021	Middle of observed water column	Part 375/TCL VOCs, SVOCs, pesticides, PCBs, and TAL metals (including hexavalent and trivalent chromium)
2	TMW02	TMW02_101121	15	10/11/2021		
3	TMW03	TMW03_101121	15	10/11/2021		
SOIL VAPOR						
1	SV01	SV01_100921	10	10/9/2021	2 feet above the groundwater table	TO-15 VOCs
2	SV02	SV02_100921	10	10/9/2021		
3	SV03	SV03_100921	10	10/9/2021		
4	AA01	AA01_100921	3 feet above grade	10/9/2021	3 feet above grade	

Notes:

1. VOC = Volatile organic compound
2. SVOC = Semivolatile organic compound
3. PCB = Polychlorinated biphenyl
4. TCL = Target compound list
5. TAL = Target analyte list
6. TCLP = Toxicity Characteristic Leaching Procedure
7. bgs = below grade surface

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

111 Washington Street
New York, New York
Langan Project No.: 170695201

Analyte	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Restricted Use Residential SCOs	RCRA Characteristics of Hazardous Waste	Location	SB01	SB01	SB02	SB03	SB03	SB03
				Sample Name	SB01_10-12	SB01_3-5	SB02_9-11	SB03_10-12	SB03_1-3	SB03_6-8
				Sample Date	10/9/2021	10/9/2021	10/9/2021	10/8/2021	10/8/2021	10/8/2021
				Sample Depth (ft bgs)	10-12	3-5	9-11	10-12	1-3	6-8
Volatile Organic Compounds										
1,1,1,2-Tetrachloroethane	NS	NS	NS	mg/kg	<0.0028 U	<0.0029 U	<0.0026 U	<0.0021 U	<0.0031 U	NA
1,1,1-Trichloroethane	0.68	100	NS	mg/kg	<0.0028 U	<0.0029 U	<0.0026 U	<0.0021 U	<0.0031 U	NA
1,1,2,2-Tetrachloroethane	NS	NS	NS	mg/kg	<0.0028 U	<0.0029 U	<0.0026 U	<0.0021 U	<0.0031 U	NA
1,1,2-Trichloro-1,2,2-Trifluoroethane	NS	NS	NS	mg/kg	<0.0028 U	<0.0029 U	<0.0026 U	<0.0021 U	<0.0031 U	NA
1,1,2-Trichloroethane	NS	NS	NS	mg/kg	<0.0028 U	<0.0029 U	<0.0026 U	<0.0021 U	<0.0031 U	NA
1,1-Dichloroethane	0.27	26	NS	mg/kg	<0.0028 U	<0.0029 U	<0.0026 U	<0.0021 U	<0.0031 U	NA
1,1-Dichloroethene	0.33	100	NS	mg/kg	<0.0028 U	<0.0029 U	<0.0026 U	<0.0021 U	<0.0031 U	NA
1,2,3-Trichlorobenzene	NS	NS	NS	mg/kg	<0.0028 U	<0.0029 U	<0.0026 U	<0.0021 U	<0.0031 U	NA
1,2,3-Trichloropropane	NS	NS	NS	mg/kg	<0.0028 U	<0.0029 U	<0.0026 U	<0.0021 U	<0.0031 U	NA
1,2,4-Trichlorobenzene	NS	NS	NS	mg/kg	<0.0028 U	<0.0029 U	<0.0026 U	<0.0021 U	<0.0031 U	NA
1,2,4-Trimethylbenzene	3.6	52	NS	mg/kg	<0.0028 U	<0.0029 U	<0.0026 U	<0.0021 U	<0.0031 U	NA
1,2-Dibromo-3-Chloropropane	NS	NS	NS	mg/kg	<0.0028 U	<0.0029 U	<0.0026 U	<0.0021 U	<0.0031 U	NA
1,2-Dibromoethane (Ethylene Dibromide)	NS	NS	NS	mg/kg	<0.0028 U	<0.0029 U	<0.0026 U	<0.0021 U	<0.0031 U	NA
1,2-Dichlorobenzene	1.1	100	NS	mg/kg	<0.0028 U	<0.0029 U	<0.0026 U	<0.0021 U	<0.0031 U	NA
1,2-Dichloroethane	0.02	3.1	NS	mg/kg	<0.0028 U	<0.0029 U	<0.0026 U	<0.0021 U	<0.0031 U	NA
1,2-Dichloropropane	NS	NS	NS	mg/kg	<0.0028 U	<0.0029 U	<0.0026 U	<0.0021 U	<0.0031 U	NA
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	NS	mg/kg	<0.0028 U	<0.0029 U	<0.0026 U	<0.0021 U	<0.0031 U	NA
1,3-Dichlorobenzene	2.4	49	NS	mg/kg	<0.0028 U	<0.0029 U	<0.0026 U	<0.0021 U	<0.0031 U	NA
1,4-Dichlorobenzene	1.8	13	NS	mg/kg	<0.0028 U	<0.0029 U	<0.0026 U	<0.0021 U	<0.0031 U	NA
1,4-Dioxane (P-Dioxane)	0.1	13	NS	mg/kg	<0.006 U	<0.009 U	<0.006 U	<0.004 U	<0.006 U	NA
2-Hexanone (MBK)	NS	NS	NS	mg/kg	<0.0028 U	<0.0029 U	<0.0026 U	<0.0021 U	<0.0031 U	NA
Acetone	0.05	100	NS	mg/kg	0.021	0.0081 J	0.046	<0.0041 U	<0.0062 U	NA
Acrolein	NS	NS	NS	mg/kg	<0.0056 U	<0.0059 U	<0.0052 U	<0.0041 U	<0.0062 U	NA
Acrylonitrile	NS	NS	NS	mg/kg	<0.0028 U	<0.0029 U	<0.0026 U	<0.0021 U	<0.0031 U	NA
Benzene	0.06	4.8	NS	mg/kg	<0.0028 U	<0.0029 U	<0.0026 U	<0.0021 U	<0.0031 U	NA
Bromochloromethane	NS	NS	NS	mg/kg	<0.0028 U	<0.0029 U	<0.0026 U	<0.0021 U	<0.0031 U	NA
Bromodichloromethane	NS	NS	NS	mg/kg	<0.0028 U	<0.0029 U	<0.0026 U	<0.0021 U	<0.0031 U	NA
Bromoform	NS	NS	NS	mg/kg	<0.0028 U	<0.0029 U	<0.0026 U	<0.0021 U	<0.0031 U	NA
Bromomethane	NS	NS	NS	mg/kg	<0.0028 U	<0.0029 U	<0.0026 U	<0.0021 U	<0.0031 U	NA
Carbon Disulfide	NS	NS	NS	mg/kg	<0.0028 U	<0.0029 U	<0.0026 U	<0.0021 U	<0.0031 U	NA
Carbon Tetrachloride	0.76	2.4	NS	mg/kg	<0.0028 U	<0.0029 U	<0.0026 U	<0.0021 U	<0.0031 U	NA
Chlorobenzene	1.1	100	NS	mg/kg	<0.0028 U	<0.0029 U	<0.0026 U	<0.0021 U	<0.0031 U	NA
Chloroethane	NS	NS	NS	mg/kg	<0.0028 U	<0.0029 U	<0.0026 U	<0.0021 U	<0.0031 U	NA
Chloroform	0.37	49	NS	mg/kg	<0.0028 U	<0.0029 U	<0.0026 U	<0.0021 U	<0.0031 U	NA
Chloromethane	NS	NS	NS	mg/kg	<0.0028 U	<0.0029 U	<0.0026 U	<0.0021 U	<0.0031 U	NA
Cis-1,2-Dichloroethene	0.25	100	NS	mg/kg	<0.0028 U	<0.0029 U	<0.0026 U	<0.0021 U	<0.0031 U	NA
Cis-1,3-Dichloropropene	NS	NS	NS	mg/kg	<0.0028 U	<0.0029 U	<0.0026 U	<0.0021 U	<0.0031 U	NA
Cyclohexane	NS	NS	NS	mg/kg	0.0067	<0.0029 U	<0.0026 U	<0.0021 U	<0.0031 U	NA
Dibromochloromethane	NS	NS	NS	mg/kg	<0.0028 U	<0.0029 U	<0.0026 U	<0.0021 U	<0.0031 U	NA
Dibromomethane	NS	NS	NS	mg/kg	<0.0028 U	<0.0029 U	<0.0026 U	<0.0021 U	<0.0031 U	NA
Dichlorodifluoromethane	NS	NS	NS	mg/kg	<0.0028 U	<0.0029 U	<0.0026 U	<0.0021 U	<0.0031 U	NA
Ethylbenzene	1	41	NS	mg/kg	<0.0028 U	<0.0029 U	<0.0026 U	<0.0021 U	<0.0031 U	NA
Hexachlorobutadiene	NS	NS	NS	mg/kg	<0.0028 U	<0.0029 U	<0.0026 U	<0.0021 U	<0.0031 U	NA
Isopropylbenzene (Cumene)	NS	NS	NS	mg/kg	0.035	<0.0029 U	<0.0026 U	<0.0021 U	<0.0031 U	NA
M,P-Xylene	NS	NS	NS	mg/kg	<0.0056 U	<0.0059 U	<0.0052 U	<0.0041 U	<0.0062 U	NA
Methyl Acetate	NS	NS	NS	mg/kg	<0.0028 U	<0.0029 U	<0.0026 U	<0.0021 U	<0.0031 U	NA
Methyl Ethyl Ketone (2-Butanone)	0.12	100	NS	mg/kg	0.0056 J	<0.0029 U	0.012	<0.0021 U	<0.0031 U	NA
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	NS	NS	mg/kg	<0.0028 U	<0.0029 U	<0.0026 U	<0.0021 U	<0.0031 U	NA
Methylcyclohexane	NS	NS	NS	mg/kg	0.032	<0.0029 U	<0.0026 U	<0.0021 U	<0.0031 U	NA
Methylene Chloride	0.05	100	NS	mg/kg	0.0078 J	<0.0059 U	0.0072 J	<0.0041 U	<0.0062 U	NA
n-Butylbenzene	12	100	NS	mg/kg	0.015	<0.0029 U	<0.0026 U	<0.0021 U	<0.0031 U	NA
n-Propylbenzene	3.9	100	NS	mg/kg	0.042	<0.0029 U	<0.0026 U	<0.0021 U	<0.0031 U	NA
o-Xylene (1,2-Dimethylbenzene)	NS	NS	NS	mg/kg	<0.0028 U	<0.0029 U	<0.0026 U	<0.0021 U	<0.0031 U	NA
p-Cymene (p-Isopropyltoluene)	NS	NS	NS	mg/kg	<0.0028 U	<0.0029 U	<0.0026 U	<0.0021 U	<0.0031 U	NA
Sec-Butylbenzene	11	100	NS	mg/kg	0.029	<0.0029 U	<0.0026 U	<0.0021 U	<0.0031 U	NA
Styrene	NS	NS	NS	mg/kg	<0.0028 U	<0.0029 U	<0.0026 U	<0.0021 U	<0.0031 U	NA
T-Butylbenzene	5.9	100	NS	mg/kg	<0.0028 U	<0.0029 U	<0.0026 U	<0.0021 U	<0.0031 U	NA
Tert-Butyl Alcohol	NS	NS	NS	mg/kg	<0.0028 U	<0.0029 U	<0.0026 U	<0.0021 U	<0.0031 U	NA
Tert-Butyl Methyl Ether	0.93	100	NS	mg/kg	<0.0028 U	<0.0029 U	<0.0026 U	<0.0021 U	<0.0031 U	NA
Tetrachloroethene (PCE)	1.3	19	NS	mg/kg	<0.0028 U	<0.0029 U	<0.0026 U	<0.0021 U	<0.0031 U	NA
Toluene	0.7	100	NS	mg/kg	<0.0028 U	<0.0029 U	<0.0026 U	<0.0021 U	<0.0031 U	NA
Total Xylenes	0.26	100	NS	mg/kg	<0.0084 U	<0.0088 U	<0.0078 U	<0.0062 U	<0.0092 U	NA
Trans-1,2-Dichloroethene	0.19	100	NS	mg/kg	<0.0028 U	<0.0029 U	<0.0026 U	<0.0021 U	<0.0031 U	NA
Trans-1,3-Dichloropropene	NS	NS	NS	mg/kg	<0.0028 U	<0.0029 U	<0.0026 U	<0.0021 U	<0.0031 U	NA
Trans-1,4-Dichloro-2-Butene	NS	NS	NS	mg/kg	<0.0028 U	<0.0029 U	<0.0026 U	<0.0021 U	<0.0031 U	NA
Trichloroethene (TCE)	0.47	21	NS	mg/kg	<0.0028 U	<0.0029 U	<0.0026 U	<0.0021 U	<0.0031 U	NA
Trichlorofluoromethane	NS	NS	NS	mg/kg	<0.0028 U	<0.0029 U	<0.0026 U	<0.0021 U	<0.0031 U	NA
Vinyl Chloride	0.02	0.9	NS	mg/kg	<0.0028 U	<0.0029 U	<0.0026 U	<0.0021 U	<0.0031 U	NA

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

111 Washington Street
New York, New York
Langan Project No.: 170695201

Analyte	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Restricted Use Residential SCOs	RCRA Characteristics of Hazardous Waste	Location						
				Sample Name	SB04_14-16	SB04_2-4	SB05_1-3	SB05_6-8	SB06_1-3	SB06_14-16
				Sample Date	10/8/2021	10/8/2021	10/8/2021	10/8/2021	10/8/2021	10/8/2021
				Sample Depth (ft bgs)	14-16	2-4	1-3	6-8	1-3	14-16
Volatile Organic Compounds										
1,1,1,2-Tetrachloroethane	NS	NS	NS	mg/kg	<0.0037 U	<0.0027 U	<0.0022 U	<0.0031 U	<0.0025 U	<0.002 U
1,1,1-Trichloroethane	0.68	100	NS	mg/kg	<0.0037 U	<0.0027 U	<0.0022 U	<0.0031 U	<0.0025 U	<0.002 U
1,1,2,2-Tetrachloroethane	NS	NS	NS	mg/kg	<0.0037 U	<0.0027 U	<0.0022 U	<0.0031 U	<0.0025 U	<0.002 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NS	NS	NS	mg/kg	<0.0037 U	<0.0027 U	<0.0022 U	<0.0031 U	<0.0025 U	<0.002 U
1,1,2-Trichloroethane	NS	NS	NS	mg/kg	<0.0037 U	<0.0027 U	<0.0022 U	<0.0031 U	<0.0025 U	<0.002 U
1,1-Dichloroethane	0.27	26	NS	mg/kg	<0.0037 U	<0.0027 U	<0.0022 U	<0.0031 U	<0.0025 U	<0.002 U
1,1-Dichloroethene	0.33	100	NS	mg/kg	<0.0037 U	<0.0027 U	<0.0022 U	<0.0031 U	<0.0025 U	<0.002 U
1,2,3-Trichlorobenzene	NS	NS	NS	mg/kg	<0.0037 U	<0.0027 U	<0.0022 U	<0.0031 U	<0.0025 U	<0.002 U
1,2,3-Trichloropropane	NS	NS	NS	mg/kg	<0.0037 U	<0.0027 U	<0.0022 U	<0.0031 U	<0.0025 U	<0.002 U
1,2,4-Trichlorobenzene	NS	NS	NS	mg/kg	<0.0037 U	<0.0027 U	<0.0022 U	<0.0031 U	<0.0025 U	<0.002 U
1,2,4-Trimethylbenzene	3.6	52	NS	mg/kg	<0.0037 U	<0.0027 U	<0.0022 U	<0.0031 U	<0.0025 U	<0.002 U
1,2-Dibromo-3-Chloropropane	NS	NS	NS	mg/kg	<0.0037 U	<0.0027 U	<0.0022 U	<0.0031 U	<0.0025 U	<0.002 U
1,2-Dibromoethane (Ethylene Dibromide)	NS	NS	NS	mg/kg	<0.0037 U	<0.0027 U	<0.0022 U	<0.0031 U	<0.0025 U	<0.002 U
1,2-Dichlorobenzene	1.1	100	NS	mg/kg	<0.0037 U	<0.0027 U	<0.0022 U	<0.0031 U	<0.0025 U	<0.002 U
1,2-Dichloroethane	0.02	3.1	NS	mg/kg	<0.0037 U	<0.0027 U	<0.0022 U	<0.0031 U	<0.0025 U	<0.002 U
1,2-Dichloropropane	NS	NS	NS	mg/kg	<0.0037 U	<0.0027 U	<0.0022 U	<0.0031 U	<0.0025 U	<0.002 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	NS	mg/kg	<0.0037 U	<0.0027 U	<0.0022 U	<0.0031 U	<0.0025 U	<0.002 U
1,3-Dichlorobenzene	2.4	49	NS	mg/kg	<0.0037 U	<0.0027 U	<0.0022 U	<0.0031 U	<0.0025 U	<0.002 U
1,4-Dichlorobenzene	1.8	13	NS	mg/kg	<0.0037 U	<0.0027 U	<0.0022 U	<0.0031 U	<0.0025 U	<0.002 U
1,4-Dioxane (P-Dioxane)	0.1	13	NS	mg/kg	<0.073 U	<0.065 U	<0.044 U	<0.063 U	<0.05 U	<0.039 U
2-Hexanone (MBK)	NS	NS	NS	mg/kg	<0.0037 U	<0.0027 U	<0.0022 U	<0.0031 U	<0.0025 U	<0.002 U
Acetone	0.05	100	NS	mg/kg	0.014 J	<0.0055 U	0.049	<0.0063 U	0.053	0.012
Acrolein	NS	NS	NS	mg/kg	<0.0073 U	<0.0055 U	<0.0044 U	<0.0063 U	<0.006 U	<0.0039 U
Acrylonitrile	NS	NS	NS	mg/kg	<0.0037 U	<0.0027 U	<0.0022 U	<0.0031 U	<0.0025 U	<0.002 U
Benzene	0.06	4.8	NS	mg/kg	<0.0037 U	<0.0027 U	<0.0022 U	<0.0031 U	<0.0025 U	<0.002 U
Bromochloromethane	NS	NS	NS	mg/kg	<0.0037 U	<0.0027 U	<0.0022 U	<0.0031 U	<0.0025 U	<0.002 U
Bromodichloromethane	NS	NS	NS	mg/kg	<0.0037 U	<0.0027 U	<0.0022 U	<0.0031 U	<0.0025 U	<0.002 U
Bromoform	NS	NS	NS	mg/kg	<0.0037 U	<0.0027 U	<0.0022 U	<0.0031 U	<0.0025 U	<0.002 U
Bromomethane	NS	NS	NS	mg/kg	<0.0037 U	<0.0027 U	<0.0022 U	<0.0031 U	<0.0025 U	<0.002 U
Carbon Disulfide	NS	NS	NS	mg/kg	<0.0037 U	<0.0027 U	<0.0022 U	<0.0031 U	<0.0025 U	<0.002 U
Carbon Tetrachloride	0.76	2.4	NS	mg/kg	<0.0037 U	<0.0027 U	<0.0022 U	<0.0031 U	<0.0025 U	<0.002 U
Chlorobenzene	1.1	100	NS	mg/kg	<0.0037 U	<0.0027 U	<0.0022 U	<0.0031 U	<0.0025 U	<0.002 U
Chloroethane	NS	NS	NS	mg/kg	<0.0037 U	<0.0027 U	<0.0022 U	<0.0031 U	<0.0025 U	<0.002 U
Chloroform	0.37	49	NS	mg/kg	<0.0037 U	<0.0027 U	<0.0022 U	<0.0031 U	<0.0025 U	<0.002 U
Chloromethane	NS	NS	NS	mg/kg	<0.0037 U	<0.0027 U	<0.0022 U	<0.0031 U	<0.0025 U	<0.002 U
Cis-1,2-Dichloroethene	0.25	100	NS	mg/kg	<0.0037 U	<0.0027 U	<0.0022 U	<0.0031 U	<0.0025 U	<0.002 U
Cis-1,3-Dichloropropene	NS	NS	NS	mg/kg	<0.0037 U	<0.0027 U	<0.0022 U	<0.0031 U	<0.0025 U	<0.002 U
Cyclohexane	NS	NS	NS	mg/kg	<0.0037 U	<0.0027 U	<0.0022 U	<0.0031 U	<0.0025 U	<0.002 U
Dibromochloromethane	NS	NS	NS	mg/kg	<0.0037 U	<0.0027 U	<0.0022 U	<0.0031 U	<0.0025 U	<0.002 U
Dibromomethane	NS	NS	NS	mg/kg	<0.0037 U	<0.0027 U	<0.0022 U	<0.0031 U	<0.0025 U	<0.002 U
Dichlorodifluoromethane	NS	NS	NS	mg/kg	<0.0037 U	<0.0027 U	<0.0022 U	<0.0031 U	<0.0025 U	<0.002 U
Ethylbenzene	1	41	NS	mg/kg	<0.0037 U	<0.0027 U	<0.0022 U	<0.0031 U	<0.0025 U	<0.002 U
Hexachlorobutadiene	NS	NS	NS	mg/kg	<0.0037 U	<0.0027 U	<0.0022 U	<0.0031 U	<0.0025 U	<0.002 U
Isopropylbenzene (Cumene)	NS	NS	NS	mg/kg	<0.0037 U	<0.0027 U	<0.0022 U	<0.0031 U	<0.0025 U	<0.002 U
M,P-Xylene	NS	NS	NS	mg/kg	<0.0073 U	<0.0065 U	<0.0044 U	<0.0063 U	<0.006 U	<0.0039 U
Methyl Acetate	NS	NS	NS	mg/kg	0.0067 J	<0.0027 U	<0.0022 U	<0.0031 U	<0.0025 U	<0.002 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	NS	mg/kg	<0.0037 U	<0.0027 U	<0.0022 U	<0.0031 U	<0.0025 U	<0.002 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	NS	NS	mg/kg	<0.0037 U	<0.0027 U	<0.0022 U	<0.0031 U	<0.0025 U	<0.002 U
Methylcyclohexane	NS	NS	NS	mg/kg	<0.0037 U	<0.0027 U	<0.0022 U	<0.0031 U	<0.0025 U	<0.002 U
Methylene Chloride	0.05	100	NS	mg/kg	<0.0073 U	<0.0055 U	0.0051 J	<0.0063 U	0.0078 J	0.006 J
n-Butylbenzene	12	100	NS	mg/kg	<0.0037 U	<0.0027 U	<0.0022 U	<0.0031 U	<0.0025 U	<0.002 U
n-Propylbenzene	3.9	100	NS	mg/kg	<0.0037 U	<0.0027 U	<0.0022 U	<0.0031 U	<0.0025 U	<0.002 U
o-Xylene (1,2-Dimethylbenzene)	NS	NS	NS	mg/kg	<0.0037 U	<0.0027 U	<0.0022 U	<0.0031 U	<0.0025 U	<0.002 U
p-Cymene (p-Isopropyltoluene)	NS	NS	NS	mg/kg	<0.0037 U	<0.0027 U	<0.0022 U	<0.0031 U	<0.0025 U	<0.002 U
Sec-Butylbenzene	11	100	NS	mg/kg	<0.0037 U	<0.0027 U	<0.0022 U	<0.0031 U	<0.0025 U	<0.002 U
Styrene	NS	NS	NS	mg/kg	<0.0037 U	<0.0027 U	<0.0022 U	<0.0031 U	<0.0025 U	<0.002 U
T-Butylbenzene	5.9	100	NS	mg/kg	<0.0037 U	<0.0027 U	<0.0022 U	<0.0031 U	<0.0025 U	<0.002 U
Tert-Butyl Alcohol	NS	NS	NS	mg/kg	<0.0037 U	<0.0027 U	<0.0022 U	<0.0031 U	<0.0025 U	<0.002 U
Tert-Butyl Methyl Ether	0.93	100	NS	mg/kg	<0.0037 U	<0.0027 U	<0.0022 U	<0.0031 U	<0.0025 U	<0.002 U
Tetrachloroethene (PCE)	1.3	19	NS	mg/kg	<0.0037 U	<0.0027 U	<0.0022 U	<0.0031 U	<0.0025 U	<0.002 U
Toluene	0.7	100	NS	mg/kg	<0.0037 U	<0.0027 U	<0.0022 U	<0.0031 U	<0.0025 U	<0.002 U
Total Xylenes	0.26	100	NS	mg/kg	<0.011 U	<0.0082 U	<0.0066 U	<0.0094 U	<0.0075 U	<0.0059 U
Trans-1,2-Dichloroethene	0.19	100	NS	mg/kg	<0.0037 U	<0.0027 U	<0.0022 U	<0.0031 U	<0.0025 U	<0.002 U
Trans-1,3-Dichloropropene	NS	NS	NS	mg/kg	<0.0037 U	<0.0027 U	<0.0022 U	<0.0031 U	<0.0025 U	<0.002 U
Trans-1,4-Dichloro-2-Butene	NS	NS	NS	mg/kg	<0.0037 U	<0.0027 U	<0.0022 U	<0.0031 U	<0.0025 U	<0.002 U
Trichloroethene (TCE)	0.47	21	NS	mg/kg	<0.0037 U	<0.0027 U	<0.0022 U	<0.0031 U	<0.0025 U	<0.002 U
Trichlorofluoromethane	NS	NS	NS	mg/kg	<0.0037 U	<0.0027 U	<0.0022 U	<0.0031 U	<0.0025 U	<0.002 U
Vinyl Chloride	0.02	0.9	NS	mg/kg	<0.0037 U	<0.0027 U	<0.0022 U	<0.0031 U	<0.0025 U	<0.002 U

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

111 Washington Street
New York, New York
Langan Project No.: 170695201

Analyte	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Restricted Use Restricted- Residential SCOs	RCRA Characteristics of Hazardous Waste	Location		SB06	SB08	SB08	SB09	SB12	SB13
				Sample Name	SB06_18-20	SB08_14-16	SB08_3-5	SB09_12-14	SB12_9-11	SB13_13-15	
				Sample Date	10/8/2021	10/9/2021	10/9/2021	10/9/2021	10/11/2021	10/11/2021	
				Sample Depth (ft bgs)	18-20	14-16	3-5	12-14	9-11	13-15	
Volatile Organic Compounds											
1,1,1,2-Tetrachloroethane	NS	NS	NS	mg/kg	NA	<0.0021 U	<0.24 U	<0.0029 U	<0.23 U	<0.24 U	<0.24 U
1,1,1-Trichloroethane	0.68	100	NS	mg/kg	NA	<0.0021 U	<0.24 U	<0.0029 U	<0.23 U	<0.24 U	<0.24 U
1,1,1,2,2-Tetrachloroethane	NS	NS	NS	mg/kg	NA	<0.0021 U	<0.24 U	<0.0029 U	<0.23 U	<0.24 U	<0.24 U
1,1,1,2-Trichloro-1,2,2-Trifluoroethane	NS	NS	NS	mg/kg	NA	<0.0021 U	<0.24 U	<0.0029 U	<0.23 U	<0.24 U	<0.24 U
1,1,2-Trichloroethane	NS	NS	NS	mg/kg	NA	<0.0021 U	<0.24 U	<0.0029 U	<0.23 U	<0.24 U	<0.24 U
1,1-Dichloroethane	0.27	26	NS	mg/kg	NA	<0.0021 U	<0.24 U	<0.0029 U	<0.23 U	<0.24 U	<0.24 U
1,1-Dichloroethene	0.33	100	NS	mg/kg	NA	<0.0021 U	<0.24 U	<0.0029 U	<0.23 U	<0.24 U	<0.24 U
1,2,3-Trichlorobenzene	NS	NS	NS	mg/kg	NA	<0.0021 U	<0.24 U	<0.0029 U	<0.23 U	<0.24 U	<0.24 U
1,2,3-Trichloropropane	NS	NS	NS	mg/kg	NA	<0.0021 U	<0.24 U	<0.0029 U	<0.23 U	<0.24 U	<0.24 U
1,2,4-Trichlorobenzene	NS	NS	NS	mg/kg	NA	<0.0021 U	<0.24 U	<0.0029 U	<0.23 U	<0.24 U	<0.24 U
1,2,4-Trimethylbenzene	3.6	52	NS	mg/kg	NA	0.037	15 D	0.0068	<0.23 U	<0.24 U	<0.24 U
1,2-Dibromo-3-Chloropropane	NS	NS	NS	mg/kg	NA	<0.0021 U	<0.24 U	<0.0029 U	<0.23 U	<0.24 U	<0.24 U
1,2-Dibromoethane (Ethylene Dibromide)	NS	NS	NS	mg/kg	NA	<0.0021 U	<0.24 U	<0.0029 U	<0.23 U	<0.24 U	<0.24 U
1,2-Dichlorobenzene	1.1	100	NS	mg/kg	NA	<0.0021 U	<0.24 U	<0.0029 U	<0.23 U	<0.24 U	<0.24 U
1,2-Dichloroethane	0.02	3.1	NS	mg/kg	NA	<0.0021 U	<0.24 U	<0.0029 U	<0.23 U	<0.24 U	<0.24 U
1,2-Dichloropropane	NS	NS	NS	mg/kg	NA	<0.0021 U	<0.24 U	<0.0029 U	<0.23 U	<0.24 U	<0.24 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	NS	mg/kg	NA	<0.0021 U	4.1 D	<0.0029 U	<0.23 U	<0.24 U	<0.24 U
1,3-Dichlorobenzene	2.4	49	NS	mg/kg	NA	<0.0021 U	<0.24 U	<0.0029 U	<0.23 U	<0.24 U	<0.24 U
1,4-Dichlorobenzene	1.8	13	NS	mg/kg	NA	<0.0021 U	<0.24 U	<0.0029 U	<0.23 U	<0.24 U	<0.24 U
1,4-Dioxane (P-Dioxane)	0.1	13	NS	mg/kg	NA	<0.042 U	<4.7 U	<0.058 U	<4.5 U	<4.7 U	<4.7 U
2-Hexanone (MBK)	NS	NS	NS	mg/kg	NA	<0.0021 U	<0.24 U	<0.0029 U	<0.23 U	<0.24 U	<0.24 U
Acetone	0.05	100	NS	mg/kg	NA	<0.0042 U	0.5 JD	0.03	<0.45 U	<0.47 U	<0.47 U
Acrolein	NS	NS	NS	mg/kg	NA	<0.0042 U	<0.47 U	<0.0058 U	<0.45 U	<0.47 U	<0.47 U
Acrylonitrile	NS	NS	NS	mg/kg	NA	<0.0021 U	<0.24 U	<0.0029 U	<0.23 U	<0.24 U	<0.24 U
Benzene	0.06	4.8	NS	mg/kg	NA	0.0021 J	0.59 D	0.0049 J	<0.23 U	0.26 JD	<0.24 U
Bromochloromethane	NS	NS	NS	mg/kg	NA	<0.0021 U	<0.24 U	<0.0029 U	<0.23 U	<0.24 U	<0.24 U
Bromodichloromethane	NS	NS	NS	mg/kg	NA	<0.0021 U	<0.24 U	<0.0029 U	<0.23 U	<0.24 U	<0.24 U
Bromoform	NS	NS	NS	mg/kg	NA	<0.0021 U	<0.24 U	<0.0029 U	<0.23 U	<0.24 U	<0.24 U
Bromomethane	NS	NS	NS	mg/kg	NA	<0.0021 U	<0.24 U	<0.0029 U	<0.23 U	<0.24 U	<0.24 U
Carbon Disulfide	NS	NS	NS	mg/kg	NA	<0.0021 U	<0.24 U	<0.0029 U	<0.23 U	<0.24 U	<0.24 U
Carbon Tetrachloride	0.76	2.4	NS	mg/kg	NA	<0.0021 U	<0.24 U	<0.0029 U	<0.23 U	<0.24 U	<0.24 U
Chlorobenzene	1.1	100	NS	mg/kg	NA	<0.0021 U	<0.24 U	<0.0029 U	<0.23 U	<0.24 U	<0.24 U
Chloroethane	NS	NS	NS	mg/kg	NA	<0.0021 U	<0.24 U	<0.0029 U	<0.23 U	<0.24 U	<0.24 U
Chloroform	0.37	49	NS	mg/kg	NA	<0.0021 U	<0.24 U	<0.0029 U	<0.23 U	<0.24 U	<0.24 U
Chloromethane	NS	NS	NS	mg/kg	NA	<0.0021 U	<0.24 U	<0.0029 U	<0.23 U	<0.24 U	<0.24 U
Cis-1,2-Dichloroethene	0.25	100	NS	mg/kg	NA	<0.0021 U	<0.24 U	<0.0029 U	<0.23 U	<0.24 U	<0.24 U
Cis-1,3-Dichloropropene	NS	NS	NS	mg/kg	NA	<0.0021 U	<0.24 U	<0.0029 U	<0.23 U	<0.24 U	<0.24 U
Cyclohexane	NS	NS	NS	mg/kg	NA	<0.0021 U	<0.24 U	<0.0029 U	<0.23 U	<0.24 U	<0.24 U
Dibromochloromethane	NS	NS	NS	mg/kg	NA	<0.0021 U	<0.24 U	<0.0029 U	<0.23 U	<0.24 U	<0.24 U
Dibromomethane	NS	NS	NS	mg/kg	NA	<0.0021 U	<0.24 U	<0.0029 U	<0.23 U	<0.24 U	<0.24 U
Dichlorodifluoromethane	NS	NS	NS	mg/kg	NA	<0.0021 U	<0.24 U	<0.0029 U	<0.23 U	<0.24 U	<0.24 U
Ethylbenzene	1	41	NS	mg/kg	NA	0.0037 J	4.4 D	0.0034 J	<0.23 U	<0.24 U	<0.24 U
Hexachlorobutadiene	NS	NS	NS	mg/kg	NA	<0.0021 U	<0.24 U	<0.0029 U	<0.23 U	<0.24 U	<0.24 U
Isopropylbenzene (Cumene)	NS	NS	NS	mg/kg	NA	0.0084	0.41 JD	0.021	2.4 D	2.9 D	<0.24 U
M,P-Xylene	NS	NS	NS	mg/kg	NA	<0.0042 U	33 D	<0.0058 U	<0.45 U	<0.47 U	<0.47 U
Methyl Acetate	NS	NS	NS	mg/kg	NA	<0.0021 U	<0.24 U	<0.0029 U	<0.23 U	<0.24 U	<0.24 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	NS	mg/kg	NA	<0.0021 U	<0.24 U	<0.0029 U	<0.23 U	<0.24 U	<0.24 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	NS	NS	mg/kg	NA	<0.0021 U	<0.24 U	<0.0029 U	<0.23 U	<0.24 U	<0.24 U
Methylcyclohexane	NS	NS	NS	mg/kg	NA	0.012	0.35 JD	0.0044 J	<0.23 U	2.8 D	<0.24 U
Methylene Chloride	0.05	100	NS	mg/kg	NA	<0.0042 U	<0.47 U	<0.0058 U	<0.45 U	<0.47 U	<0.47 U
n-Butylbenzene	12	100	NS	mg/kg	NA	0.0091	<0.24 U	0.0057 J	8.4 D	4.7 D	<0.24 U
n-Propylbenzene	3.9	100	NS	mg/kg	NA	0.033	1.1 D	0.061	16 D	12 D	<0.24 U
o-Xylene (1,2-Dimethylbenzene)	NS	NS	NS	mg/kg	NA	<0.0021 U	16 D	<0.0029 U	<0.23 U	<0.24 U	<0.24 U
p-Cymene (p-Isopropyltoluene)	NS	NS	NS	mg/kg	NA	<0.0021 U	<0.24 U	<0.0029 U	<0.23 U	<0.24 U	<0.24 U
Sec-Butylbenzene	11	100	NS	mg/kg	NA	0.0046	<0.24 U	0.0067	8.3 D	2.4 D	<0.24 U
Styrene	NS	NS	NS	mg/kg	NA	<0.0021 U	<0.24 U	<0.0029 U	<0.23 U	<0.24 U	<0.24 U
T-Butylbenzene	5.9	100	NS	mg/kg	NA	<0.0021 U	<0.24 U	<0.0029 U	<0.23 U	<0.24 U	<0.24 U
Tert-Butyl Alcohol	NS	NS	NS	mg/kg	NA	<0.0021 U	<0.24 U	<0.0029 U	<0.23 U	<0.24 U	<0.24 U
Tert-Butyl Methyl Ether	0.93	100	NS	mg/kg	NA	<0.0021 U	<0.24 U	<0.0029 U	<0.23 U	<0.24 U	<0.24 U
Tetrachloroethene (PCE)	1.3	19	NS	mg/kg	NA	<0.0021 U	<0.24 U	<0.0029 U	<0.23 U	<0.24 U	<0.24 U
Toluene	0.7	100	NS	mg/kg	NA	<0.0021 U	27 DE	<0.0029 U	<0.23 U	<0.24 U	<0.24 U
Total Xylenes	0.26	100	NS	mg/kg	NA	<0.0063 U	50 D	<0.0086 U	<0.68 U	<0.71 U	<0.71 U
Trans-1,2-Dichloroethene	0.19	100	NS	mg/kg	NA	<0.0021 U	<0.24 U	<0.0029 U	<0.23 U	<0.24 U	<0.24 U
Trans-1,3-Dichloropropene	NS	NS	NS	mg/kg	NA	<0.0021 U	<0.24 U	<0.0029 U	<0.23 U	<0.24 U	<0.24 U
Trans-1,4-Dichloro-2-Butene	NS	NS	NS	mg/kg	NA	<0.0021 U	<0.24 U	<0.0029 U	<0.23 U	<0.24 U	<0.24 U
Trichloroethene (TCE)	0.47	21	NS	mg/kg	NA	<0.0021 U	<0.24 U	<0.0029 U	<0.23 U	<0.24 U	<0.24 U
Trichlorofluoromethane	NS	NS	NS	mg/kg	NA	<0.0021 U	<0.24 U	<0.0029 U	<0.23 U	<0.24 U	<0.24 U
Vinyl Chloride	0.02	0.9	NS	mg/kg	NA	<0.0021 U	<0.24 U	<0.0029 U	<0.23 U	<0.24 U	<0.24 U

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

111 Washington Street
New York, New York
Langan Project No.: 170695201

Analyte	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Restricted Use Restricted- Residential SCOs	RCRA Characteristics of Hazardous Waste	Location		SB01	SB01	SB02	SB03	SB03	SB03
				Sample Name		SB01_10-12	SB01_3-5	SB02_9-11	SB03_10-12	SB03_1-3	SB03_6-8
				Sample Date		10/9/2021	10/9/2021	10/9/2021	10/8/2021	10/8/2021	10/8/2021
				Sample Depth (ft bgs)		10-12	3-5	9-11	10-12	1-3	6-8
Semi-Volatile Organic Compounds											
1,2,4,5-Tetrachlorobenzene	NS	NS	NS	mg/kg	<0.0944 U	<0.0975 U	<0.101 U	<0.0865 U	<0.0953 U	NA	
1,2,4-Trichlorobenzene	NS	NS	NS	mg/kg	<0.0473 U	<0.0489 U	<0.0507 U	<0.0433 U	<0.0478 U	NA	
1,2-Dichlorobenzene	1.1	100	NS	mg/kg	<0.0473 U	<0.0489 U	<0.0507 U	<0.0433 U	<0.0478 U	NA	
1,2-Diphenylhydrazine	NS	NS	NS	mg/kg	<0.0473 U	<0.0489 U	<0.0507 U	<0.0433 U	<0.0478 U	NA	
1,3-Dichlorobenzene	2.4	49	NS	mg/kg	<0.0473 U	<0.0489 U	<0.0507 U	<0.0433 U	<0.0478 U	NA	
1,4-Dichlorobenzene	1.8	13	NS	mg/kg	<0.0473 U	<0.0489 U	<0.0507 U	<0.0433 U	<0.0478 U	NA	
2,3,4,6-Tetrachlorophenol	NS	NS	NS	mg/kg	<0.0944 U	<0.0975 U	<0.101 U	<0.0865 U	<0.0953 U	NA	
2,4,5-Trichlorophenol	NS	NS	NS	mg/kg	<0.0473 U	<0.0489 U	<0.0507 U	<0.0433 U	<0.0478 U	NA	
2,4,6-Trichlorophenol	NS	NS	NS	mg/kg	<0.0473 U	<0.0489 U	<0.0507 U	<0.0433 U	<0.0478 U	NA	
2,4-Dichlorophenol	NS	NS	NS	mg/kg	<0.0473 U	<0.0489 U	<0.0507 U	<0.0433 U	<0.0478 U	NA	
2,4-Dimethylphenol	NS	NS	NS	mg/kg	<0.0473 U	<0.0489 U	<0.0507 U	<0.0433 U	<0.0478 U	NA	
2,4-Dinitrophenol	NS	NS	NS	mg/kg	<0.0944 U	<0.0975 U	<0.101 U	<0.0865 U	<0.0953 U	NA	
2,4-Dinitrotoluene	NS	NS	NS	mg/kg	<0.0473 U	<0.0489 U	<0.0507 U	<0.0433 U	<0.0478 U	NA	
2,6-Dinitrotoluene	NS	NS	NS	mg/kg	<0.0473 U	<0.0489 U	<0.0507 U	<0.0433 U	<0.0478 U	NA	
2-Chloronaphthalene	NS	NS	NS	mg/kg	<0.0473 U	<0.0489 U	<0.0507 U	<0.0433 U	<0.0478 U	NA	
2-Chlorophenol	NS	NS	NS	mg/kg	<0.0473 U	<0.0489 U	<0.0507 U	<0.0433 U	<0.0478 U	NA	
2-Methylnaphthalene	NS	NS	NS	mg/kg	7.14 D	0.129 D	<0.0507 U	<0.0433 U	<0.0478 U	NA	
2-Methylphenol (o-Cresol)	0.33	100	NS	mg/kg	<0.0473 U	<0.0489 U	<0.0507 U	<0.0433 U	<0.0478 U	NA	
2-Nitroaniline	NS	NS	NS	mg/kg	<0.0944 U	<0.0975 U	<0.101 U	<0.0865 U	<0.0953 U	NA	
2-Nitrophenol	NS	NS	NS	mg/kg	<0.0473 U	<0.0489 U	<0.0507 U	<0.0433 U	<0.0478 U	NA	
3 & 4 Methylphenol (m&p Cresol)	0.33	100	NS	mg/kg	<0.0473 U	<0.0489 U	<0.0507 U	<0.0433 U	<0.0478 U	NA	
3,3'-Dichlorobenzidine	NS	NS	NS	mg/kg	<0.0473 U	<0.0489 U	<0.0507 U	<0.0433 U	<0.0478 U	NA	
3-Nitroaniline	NS	NS	NS	mg/kg	<0.0944 U	<0.0975 U	<0.101 U	<0.0865 U	<0.0953 U	NA	
4,6-Dinitro-2-Methylphenol	NS	NS	NS	mg/kg	<0.0944 U	<0.0975 U	<0.101 U	<0.0865 U	<0.0953 U	NA	
4-Bromophenyl Phenyl Ether	NS	NS	NS	mg/kg	<0.0473 U	<0.0489 U	<0.0507 U	<0.0433 U	<0.0478 U	NA	
4-Chloro-3-Methylphenol	NS	NS	NS	mg/kg	<0.0473 U	<0.0489 U	<0.0507 U	<0.0433 U	<0.0478 U	NA	
4-Chloroaniline	NS	NS	NS	mg/kg	<0.0473 U	<0.0489 U	<0.0507 U	<0.0433 U	<0.0478 U	NA	
4-Chlorophenyl Phenyl Ether	NS	NS	NS	mg/kg	<0.0473 U	<0.0489 U	<0.0507 U	<0.0433 U	<0.0478 U	NA	
4-Nitroaniline	NS	NS	NS	mg/kg	<0.0944 U	<0.0975 U	<0.101 U	<0.0865 U	<0.0953 U	NA	
4-Nitrophenol	NS	NS	NS	mg/kg	<0.0944 U	<0.0975 U	<0.101 U	<0.0865 U	<0.0953 U	NA	
Acenaphthene	20	100	NS	mg/kg	0.868 D	0.221 D	<0.0507 U	<0.0433 U	0.126 D	NA	
Acenaphthylene	100	100	NS	mg/kg	<0.0473 U	0.447 D	<0.0507 U	<0.0433 U	0.162 D	NA	
Acetophenone	NS	NS	NS	mg/kg	<0.0473 U	<0.0489 U	<0.0507 U	<0.0433 U	<0.0478 U	NA	
Aniline (Phenylamine, Aminobenzene)	NS	NS	NS	mg/kg	<0.189 U	<0.195 U	<0.202 U	<0.173 U	<0.191 U	NA	
Anthracene	100	100	NS	mg/kg	0.17 D	0.857 D	<0.0507 U	<0.0433 U	0.467 D	NA	
Atrazine	NS	NS	NS	mg/kg	<0.0473 U	<0.0489 U	<0.0507 U	<0.0433 U	<0.0478 U	NA	
Benzaldehyde	NS	NS	NS	mg/kg	<0.0473 U	<0.0489 U	<0.0507 U	<0.0433 U	0.114 D	NA	
Benzidine	NS	NS	NS	mg/kg	<0.189 U	<0.195 U	<0.202 U	<0.173 U	<0.191 U	NA	
Benzo(a)anthracene	1	1	NS	mg/kg	0.0792 JD	1.8 D	<0.0507 U	<0.0433 U	1.28 D	NA	
Benzo(a)pyrene	1	1	NS	mg/kg	<0.0473 U	2.22 D	<0.0507 U	<0.0433 U	0.909 D	NA	
Benzo(b)fluoranthene	1	1	NS	mg/kg	<0.0473 U	2.16 D	<0.0507 U	<0.0433 U	0.79 D	NA	
Benzo(g,h,i)Perylene	100	100	NS	mg/kg	<0.0473 U	1.14 D	<0.0507 U	<0.0433 U	0.875 D	NA	
Benzo(k)fluoranthene	0.8	3.9	NS	mg/kg	<0.0473 U	1.82 D	<0.0507 U	<0.0433 U	0.829 D	NA	
Benzoic Acid	NS	NS	NS	mg/kg	<0.0473 U	<0.0489 U	<0.0507 U	<0.0433 U	<0.0478 U	NA	
Benzyl Alcohol	NS	NS	NS	mg/kg	<0.0473 U	<0.0489 U	<0.0507 U	<0.0433 U	<0.0478 U	NA	
Benzyl Butyl Phthalate	NS	NS	NS	mg/kg	<0.0473 U	<0.0489 U	<0.0507 U	<0.0433 U	<0.0478 U	NA	
Biphenyl (Diphenyl)	NS	NS	NS	mg/kg	0.152 D	<0.0489 U	<0.0507 U	<0.0433 U	<0.0478 U	NA	
Bis(2-chloroethoxy) methane	NS	NS	NS	mg/kg	<0.0473 U	<0.0489 U	<0.0507 U	<0.0433 U	<0.0478 U	NA	
Bis(2-chloroethyl) ether (2-chloroethyl ether)	NS	NS	NS	mg/kg	<0.0473 U	<0.0489 U	<0.0507 U	<0.0433 U	<0.0478 U	NA	
Bis(2-chloroisopropyl) ether	NS	NS	NS	mg/kg	<0.0473 U	<0.0489 U	<0.0507 U	<0.0433 U	<0.0478 U	NA	
Bis(2-ethylhexyl) phthalate	NS	NS	NS	mg/kg	<0.0473 U	<0.0489 U	<0.0507 U	<0.0433 U	<0.0478 U	NA	
Caprolactam	NS	NS	NS	mg/kg	<0.0944 U	<0.0975 U	<0.101 U	<0.0865 U	<0.0953 U	NA	
Carbazole	NS	NS	NS	mg/kg	<0.0473 U	0.335 D	<0.0507 U	<0.0433 U	0.222 D	NA	
Chrysene	1	3.9	NS	mg/kg	0.0724 JD	2.15 D	<0.0507 U	<0.0433 U	1.23 D	NA	
Dibenz(a,h)anthracene	0.33	0.33	NS	mg/kg	<0.0473 U	0.278 D	<0.0507 U	<0.0433 U	0.293 D	NA	
Dibenzofuran	7	59	NS	mg/kg	0.524 D	<0.0489 U	<0.0507 U	<0.0433 U	0.104 D	NA	
Dibutyl phthalate	NS	NS	NS	mg/kg	<0.0473 U	<0.0489 U	<0.0507 U	<0.0433 U	<0.0478 U	NA	
Diethyl phthalate	NS	NS	NS	mg/kg	<0.0473 U	<0.0489 U	<0.0507 U	<0.0433 U	<0.0478 U	NA	
Dimethyl phthalate	NS	NS	NS	mg/kg	<0.0473 U	<0.0489 U	<0.0507 U	<0.0433 U	<0.0478 U	NA	
Dioctyl phthalate	NS	NS	NS	mg/kg	<0.0473 U	<0.0489 U	<0.0507 U	<0.0433 U	<0.0478 U	NA	
Diphenylamine	NS	NS	NS	mg/kg	<0.0944 U	<0.0975 U	<0.101 U	<0.0865 U	<0.0953 U	NA	
Fluoranthene	100	100	NS	mg/kg	0.56 D	2.89 D	<0.0507 U	<0.0433 U	2.93 D	NA	
Fluorene	30	100	NS	mg/kg	0.618 D	0.305 D	<0.0507 U	<0.0433 U	0.158 D	NA	
Hexachlorobenzene	0.33	1.2	NS	mg/kg	<0.0473 U	<0.0489 U	<0.0507 U	<0.0433 U	<0.0478 U	NA	
Hexachlorobutadiene	NS	NS	NS	mg/kg	<0.0473 U	<0.0489 U	<0.0507 U	<0.0433 U	<0.0478 U	NA	
Hexachlorocyclopentadiene	NS	NS	NS	mg/kg	<0.0473 U	<0.0489 U	<0.0507 U	<0.0433 U	<0.0478 U	NA	
Hexachloroethane	NS	NS	NS	mg/kg	<0.0473 U	<0.0489 U	<0.0507 U	<0.0433 U	<0.0478 U	NA	
Indeno(1,2,3-cd)pyrene	0.5	0.5	NS	mg/kg	<0.0473 U	1.03 D	<0.0507 U	<0.0433 U	0.804 D	NA	
Isophorone	NS	NS	NS	mg/kg	<0.0473 U	<0.0489 U	<0.0507 U	<0.0433 U	<0.0478 U	NA	
Naphthalene	12	100	NS	mg/kg	2.73 D	0.2 D	<0.0507 U	<0.0433 U	0.0564 JD	NA	
Nitrobenzene	NS	NS	NS	mg/kg	<0.0473 U	<0.0489 U	<0.0507 U	<0.0433 U	<0.0478 U	NA	
n-Nitrosodimethylamine	NS	NS	NS	mg/kg	<0.0473 U	<0.0489 U	<0.0507 U	<0.0433 U	<0.0478 U	NA	
n-Nitrosodi-N-Propylamine	NS	NS	NS	mg/kg	<0.0473 U	<0.0489 U	<0.0507 U	<0.0433 U	<0.0478 U	NA	
n-Nitrosodiphenylamine	NS	NS	NS	mg/kg	<0.0473 U	<0.0489 U	<0.0507 U	<0.0433 U	<0.0478 U	NA	
Pentachlorophenol	0.8	6.7	NS	mg/kg	<0.0473 U	<0.0489 U	<0.0507 U	<0.0433 U	<0.0478 U	NA	
Phenanthrene	100	100	NS	mg/kg	1.36 D	2.28 D	<0.0507 U	<0.0433 U	2.2 D	NA	
Phenol	0.33	100	NS	mg/kg	<0.0473 U	<0.0489 U	<0.0507 U	<0.0433 U	<0.0478 U	NA	
Pyrene	100	100	NS	mg/kg	0.401 D	2.99 D	<0.0507 U	<0.0433 U	6.34 D	NA	

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

111 Washington Street
New York, New York
Langan Project No.: 170695201

Analyte	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Restricted Use Restricted- Residential SCOs	RCRA Characteristics of Hazardous Waste	Location						
				Sample Name	SB04_14-16	SB04_2-4	SB05_1-3	SB05_6-8	SB06_1-3	SB06_14-16
				Sample Date	10/8/2021	10/8/2021	10/8/2021	10/8/2021	10/8/2021	
				Sample Depth (ft bgs)	14-16	2-4	1-3	6-8	1-3	14-16
Semi-Volatile Organic Compounds										
1,2,4,5-Tetrachlorobenzene	NS	NS	NS	mg/kg	<0.121 U	<0.0948 U	<0.0953 U	<0.0975 U	<0.0921 U	<0.0955 U
1,2,4-Trichlorobenzene	NS	NS	NS	mg/kg	<0.0607 U	<0.0475 U	<0.0478 U	<0.0489 U	<0.0462 U	<0.0479 U
1,2-Dichlorobenzene	1.1	100	NS	mg/kg	<0.0607 U	<0.0475 U	<0.0478 U	<0.0489 U	<0.0462 U	<0.0479 U
1,2-Diphenylhydrazine	NS	NS	NS	mg/kg	<0.0607 U	<0.0475 U	<0.0478 U	<0.0489 U	<0.0462 U	<0.0479 U
1,3-Dichlorobenzene	2.4	49	NS	mg/kg	<0.0607 U	<0.0475 U	<0.0478 U	<0.0489 U	<0.0462 U	<0.0479 U
1,4-Dichlorobenzene	1.8	13	NS	mg/kg	<0.0607 U	<0.0475 U	<0.0478 U	<0.0489 U	<0.0462 U	<0.0479 U
2,3,4,6-Tetrachlorophenol	NS	NS	NS	mg/kg	<0.121 U	<0.0948 U	<0.0953 U	<0.0975 U	<0.0921 U	<0.0955 U
2,4,5-Trichlorophenol	NS	NS	NS	mg/kg	<0.0607 U	<0.0475 U	<0.0478 U	<0.0489 U	<0.0462 U	<0.0479 U
2,4,6-Trichlorophenol	NS	NS	NS	mg/kg	<0.0607 U	<0.0475 U	<0.0478 U	<0.0489 U	<0.0462 U	<0.0479 U
2,4-Dichlorophenol	NS	NS	NS	mg/kg	<0.0607 U	<0.0475 U	<0.0478 U	<0.0489 U	<0.0462 U	<0.0479 U
2,4-Dimethylphenol	NS	NS	NS	mg/kg	<0.0607 U	<0.0475 U	<0.0478 U	<0.0489 U	<0.0462 U	<0.0479 U
2,4-Dinitrophenol	NS	NS	NS	mg/kg	<0.121 U	<0.0948 U	<0.0953 U	<0.0975 U	<0.0921 U	<0.0955 U
2,4-Dinitrotoluene	NS	NS	NS	mg/kg	<0.0607 U	<0.0475 U	<0.0478 U	<0.0489 U	<0.0462 U	<0.0479 U
2,6-Dinitrotoluene	NS	NS	NS	mg/kg	<0.0607 U	<0.0475 U	<0.0478 U	<0.0489 U	<0.0462 U	<0.0479 U
2-Chloronaphthalene	NS	NS	NS	mg/kg	<0.0607 U	<0.0475 U	<0.0478 U	<0.0489 U	<0.0462 U	<0.0479 U
2-Chlorophenol	NS	NS	NS	mg/kg	<0.0607 U	<0.0475 U	<0.0478 U	<0.0489 U	<0.0462 U	<0.0479 U
2-Methylnaphthalene	NS	NS	NS	mg/kg	<0.0607 U	<0.0475 U	<0.0478 U	<0.0489 U	<0.0462 U	<0.0479 U
2-Methylphenol (o-Cresol)	0.33	100	NS	mg/kg	<0.0607 U	<0.0475 U	<0.0478 U	<0.0489 U	<0.0462 U	<0.0479 U
2-Nitroaniline	NS	NS	NS	mg/kg	<0.121 U	<0.0948 U	<0.0953 U	<0.0975 U	<0.0921 U	<0.0955 U
2-Nitrophenol	NS	NS	NS	mg/kg	<0.0607 U	<0.0475 U	<0.0478 U	<0.0489 U	<0.0462 U	<0.0479 U
3 & 4 Methylphenol (m&p Cresol)	0.33	100	NS	mg/kg	<0.0607 U	<0.0475 U	<0.0478 U	<0.0489 U	<0.0462 U	<0.0479 U
3,3'-Dichlorobenzidine	NS	NS	NS	mg/kg	<0.0607 U	<0.0475 U	<0.0478 U	<0.0489 U	<0.0462 U	<0.0479 U
3-Nitroaniline	NS	NS	NS	mg/kg	<0.121 U	<0.0948 U	<0.0953 U	<0.0975 U	<0.0921 U	<0.0955 U
4,6-Dinitro-2-Methylphenol	NS	NS	NS	mg/kg	<0.121 U	<0.0948 U	<0.0953 U	<0.0975 U	<0.0921 U	<0.0955 U
4-Bromophenyl Phenyl Ether	NS	NS	NS	mg/kg	<0.0607 U	<0.0475 U	<0.0478 U	<0.0489 U	<0.0462 U	<0.0479 U
4-Chloro-3-Methylphenol	NS	NS	NS	mg/kg	<0.0607 U	<0.0475 U	<0.0478 U	<0.0489 U	<0.0462 U	<0.0479 U
4-Chloroaniline	NS	NS	NS	mg/kg	<0.0607 U	<0.0475 U	<0.0478 U	<0.0489 U	<0.0462 U	<0.0479 U
4-Chlorophenyl Phenyl Ether	NS	NS	NS	mg/kg	<0.0607 U	<0.0475 U	<0.0478 U	<0.0489 U	<0.0462 U	<0.0479 U
4-Nitroaniline	NS	NS	NS	mg/kg	<0.121 U	<0.0948 U	<0.0953 U	<0.0975 U	<0.0921 U	<0.0955 U
4-Nitrophenol	NS	NS	NS	mg/kg	<0.121 U	<0.0948 U	<0.0953 U	<0.0975 U	<0.0921 U	<0.0955 U
Acenaphthene	20	100	NS	mg/kg	<0.0607 U	<0.0475 U	<0.0478 U	0.0709 JD	<0.0462 U	<0.0479 U
Acenaphthylene	100	100	NS	mg/kg	<0.0607 U	0.12 D	<0.0478 U	0.646 D	<0.0462 U	<0.0479 U
Acetophenone	NS	NS	NS	mg/kg	<0.0607 U	<0.0475 U	<0.0478 U	<0.0489 U	<0.0462 U	<0.0479 U
Aniline (Phenylamine, Aminobenzene)	NS	NS	NS	mg/kg	<0.243 U	<0.19 U	<0.191 U	<0.195 U	<0.184 U	<0.191 U
Anthracene	100	100	NS	mg/kg	<0.0607 U	0.255 D	<0.0478 U	0.704 D	<0.0462 U	<0.0479 U
Atrazine	NS	NS	NS	mg/kg	<0.0607 U	<0.0475 U	<0.0478 U	<0.0489 U	<0.0462 U	<0.0479 U
Benzaldehyde	NS	NS	NS	mg/kg	<0.0607 U	<0.0475 U	<0.0478 U	<0.0489 U	<0.0462 U	<0.0479 U
Benidine	NS	NS	NS	mg/kg	<0.243 U	<0.19 U	<0.191 U	<0.195 U	<0.184 U	<0.191 U
Benzo(a)anthracene	1	1	NS	mg/kg	<0.0607 U	0.758 D	<0.0478 U	1.66 D	<0.0462 U	<0.0479 U
Benzo(a)pyrene	1	1	NS	mg/kg	<0.0607 U	0.764 D	<0.0478 U	1.82 D	<0.0462 U	<0.0479 U
Benzo(b)fluoranthene	1	1	NS	mg/kg	<0.0607 U	0.533 D	<0.0478 U	1.29 D	<0.0462 U	<0.0479 U
Benzo(g,h,i)Perylene	100	100	NS	mg/kg	<0.0607 U	0.422 D	<0.0478 U	1.22 D	<0.0462 U	<0.0479 U
Benzo(k)fluoranthene	0.8	3.9	NS	mg/kg	<0.0607 U	0.558 D	<0.0478 U	1.47 D	<0.0462 U	<0.0479 U
Benzoic Acid	NS	NS	NS	mg/kg	<0.0607 U	<0.0475 U	<0.0478 U	<0.0489 U	<0.0462 U	<0.0479 U
Benzyl Alcohol	NS	NS	NS	mg/kg	<0.0607 U	<0.0475 U	<0.0478 U	<0.0489 U	<0.0462 U	<0.0479 U
Benzyl Butyl Phthalate	NS	NS	NS	mg/kg	<0.0607 U	<0.0475 U	<0.0478 U	<0.0489 U	<0.0462 U	<0.0479 U
Biphenyl (Diphenyl)	NS	NS	NS	mg/kg	<0.0607 U	<0.0475 U	<0.0478 U	<0.0489 U	<0.0462 U	<0.0479 U
Bis(2-chloroethoxy) methane	NS	NS	NS	mg/kg	<0.0607 U	<0.0475 U	<0.0478 U	<0.0489 U	<0.0462 U	<0.0479 U
Bis(2-chloroethyl) ether (2-chloroethyl ether)	NS	NS	NS	mg/kg	<0.0607 U	<0.0475 U	<0.0478 U	<0.0489 U	<0.0462 U	<0.0479 U
Bis(2-chloroisopropyl) ether	NS	NS	NS	mg/kg	<0.0607 U	<0.0475 U	<0.0478 U	<0.0489 U	<0.0462 U	<0.0479 U
Bis(2-ethylhexyl) phthalate	NS	NS	NS	mg/kg	<0.0607 U	<0.0475 U	<0.0478 U	<0.0489 U	0.067 JD	<0.0479 U
Caprolactam	NS	NS	NS	mg/kg	<0.121 U	<0.0948 U	<0.0953 U	<0.0975 U	<0.0921 U	<0.0955 U
Carbazole	NS	NS	NS	mg/kg	<0.0607 U	0.0553 JD	<0.0478 U	0.237 D	<0.0462 U	<0.0479 U
Chrysene	1	3.9	NS	mg/kg	<0.0607 U	0.735 D	<0.0478 U	1.56 D	<0.0462 U	<0.0479 U
Dibenzo(a,h)anthracene	0.33	0.33	NS	mg/kg	<0.0607 U	0.137 D	<0.0478 U	0.475 D	<0.0462 U	<0.0479 U
Dibenzofuran	7	59	NS	mg/kg	<0.0607 U	<0.0475 U	<0.0478 U	0.0522 JD	<0.0462 U	<0.0479 U
Dibutyl phthalate	NS	NS	NS	mg/kg	<0.0607 U	<0.0475 U	<0.0478 U	<0.0489 U	<0.0462 U	<0.0479 U
Diethyl phthalate	NS	NS	NS	mg/kg	<0.0607 U	<0.0475 U	<0.0478 U	<0.0489 U	<0.0462 U	<0.0479 U
Dimethyl phthalate	NS	NS	NS	mg/kg	<0.0607 U	<0.0475 U	<0.0478 U	<0.0489 U	<0.0462 U	<0.0479 U
Diocetyl phthalate	NS	NS	NS	mg/kg	<0.0607 U	<0.0475 U	<0.0478 U	<0.0489 U	<0.0462 U	<0.0479 U
Diphenylamine	NS	NS	NS	mg/kg	<0.121 U	<0.0948 U	<0.0953 U	<0.0975 U	<0.0921 U	<0.0955 U
Fluoranthene	100	100	NS	mg/kg	<0.0607 U	1.08 D	<0.0478 U	2.41 D	<0.0462 U	<0.0479 U
Fluorene	30	100	NS	mg/kg	<0.0607 U	0.0727 JD	<0.0478 U	0.132 D	<0.0462 U	<0.0479 U
Hexachlorobenzene	0.33	1.2	NS	mg/kg	<0.0607 U	<0.0475 U	<0.0478 U	<0.0489 U	<0.0462 U	<0.0479 U
Hexachlorobutadiene	NS	NS	NS	mg/kg	<0.0607 U	<0.0475 U	<0.0478 U	<0.0489 U	<0.0462 U	<0.0479 U
Hexachlorocyclopentadiene	NS	NS	NS	mg/kg	<0.0607 U	<0.0475 U	<0.0478 U	<0.0489 U	<0.0462 U	<0.0479 U
Hexachloroethane	NS	NS	NS	mg/kg	<0.0607 U	<0.0475 U	<0.0478 U	<0.0489 U	<0.0462 U	<0.0479 U
Indeno(1,2,3-cd)pyrene	0.5	0.5	NS	mg/kg	<0.0607 U	0.343 D	<0.0478 U	1.12 D	<0.0462 U	<0.0479 U
Isophorone	NS	NS	NS	mg/kg	<0.0607 U	<0.0475 U	<0.0478 U	<0.0489 U	<0.0462 U	<0.0479 U
Isophthalene	12	100	NS	mg/kg	<0.0607 U	<0.0475 U	<0.0478 U	0.0693 JD	<0.0462 U	<0.0479 U
Nitrobenzene	NS	NS	NS	mg/kg	<0.0607 U	<0.0475 U	<0.0478 U	<0.0489 U	<0.0462 U	<0.0479 U
n-Nitrosodimethylamine	NS	NS	NS	mg/kg	<0.0607 U	<0.0475 U	<0.0478 U	<0.0489 U	<0.0462 U	<0.0479 U
n-Nitrosodi-N-Propylamine	NS	NS	NS	mg/kg	<0.0607 U	<0.0475 U	<0.0478 U	<0.0489 U	<0.0462 U	<0.0479 U
n-Nitrosodiphenylamine	NS	NS	NS	mg/kg	<0.0607 U	<0.0475 U	<0.0478 U	<0.0489 U	<0.0462 U	<0.0479 U
Pentachlorophenol	0.8	6.7	NS	mg/kg	<0.0607 U	<0.0475 U	<0.0478 U	<0.0489 U	<0.0462 U	<0.0479 U
Phenanthrene	100	100	NS	mg/kg	<0.0607 U	0.696 D	<0.0478 U	0.877 D	<0.0462 U	<0.0479 U
Phenol	0.33	100	NS	mg/kg	<0.0607 U	<0.0475 U	<0.0478 U	<0.0489 U	<0.0462 U	<0.0479 U
Pyrene	100	100	NS	mg/kg	<0.0607 U	1.92 D	<0.0478 U	4.45 D	<0.0462 U	<0.0479 U

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

111 Washington Street
New York, New York
Langan Project No.: 170695201

Analyte	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Restricted Use Residential SCOs	RCRA Characteristics of Hazardous Waste	Location							
				Sample Name		SB06	SB08	SB08	SB09	SB12	SB13
				Sample Date		SB06 18-20	SB08 14-16	SB08 3-5	SB09 12-14	SB12 9-11	SB13 13-15
				Sample Depth (ft bgs)		18-20	14-16	3-5	12-14	9-11	13-15
Semi-Volatile Organic Compounds											
1,2,4,5-Tetrachlorobenzene	NS	NS	NS	mg/kg	NA	<0.0973 U	<0.0949 U	<0.0938 U	NA	NA	
1,2,4-Trichlorobenzene	NS	NS	NS	mg/kg	NA	<0.0487 U	<0.0476 U	<0.047 U	NA	NA	
1,2-Dichlorobenzene	1.1	100	NS	mg/kg	NA	<0.0487 U	<0.0476 U	<0.047 U	NA	NA	
1,2-Diphenylhydrazine	NS	NS	NS	mg/kg	NA	<0.0487 U	<0.0476 U	<0.047 U	NA	NA	
1,3-Dichlorobenzene	2.4	49	NS	mg/kg	NA	<0.0487 U	<0.0476 U	<0.047 U	NA	NA	
1,4-Dichlorobenzene	1.8	13	NS	mg/kg	NA	<0.0487 U	<0.0476 U	<0.047 U	NA	NA	
2,3,4,6-Tetrachlorophenol	NS	NS	NS	mg/kg	NA	<0.0973 U	<0.0949 U	<0.0938 U	NA	NA	
2,4,5-Trichlorophenol	NS	NS	NS	mg/kg	NA	<0.0487 U	<0.0476 U	<0.047 U	NA	NA	
2,4,6-Trichlorophenol	NS	NS	NS	mg/kg	NA	<0.0487 U	<0.0476 U	<0.047 U	NA	NA	
2,4-Dichlorophenol	NS	NS	NS	mg/kg	NA	<0.0487 U	<0.0476 U	<0.047 U	NA	NA	
2,4-Dimethylphenol	NS	NS	NS	mg/kg	NA	<0.0487 U	<0.0476 U	<0.047 U	NA	NA	
2,4-Dinitrophenol	NS	NS	NS	mg/kg	NA	<0.0973 U	<0.0949 U	<0.0938 U	NA	NA	
2,4-Dinitrotoluene	NS	NS	NS	mg/kg	NA	<0.0487 U	<0.0476 U	<0.047 U	NA	NA	
2,6-Dinitrotoluene	NS	NS	NS	mg/kg	NA	<0.0487 U	<0.0476 U	<0.047 U	NA	NA	
2-Chloronaphthalene	NS	NS	NS	mg/kg	NA	<0.0487 U	<0.0476 U	<0.047 U	NA	NA	
2-Chlorophenol	NS	NS	NS	mg/kg	NA	<0.0487 U	<0.0476 U	<0.047 U	NA	NA	
2-Methylnaphthalene	NS	NS	NS	mg/kg	NA	<0.0487 U	<0.0476 U	<0.047 U	NA	NA	
2-Methylphenol (o-Cresol)	0.33	100	NS	mg/kg	NA	0.197 D	<0.0476 U	0.319 D	NA	NA	
2-Nitroaniline	NS	NS	NS	mg/kg	NA	<0.0973 U	<0.0949 U	<0.0938 U	NA	NA	
2-Nitrophenol	NS	NS	NS	mg/kg	NA	<0.0487 U	<0.0476 U	<0.047 U	NA	NA	
3 & 4 Methylphenol (m&p Cresol)	0.33	100	NS	mg/kg	NA	<0.0487 U	<0.0476 U	<0.047 U	NA	NA	
3,3'-Dichlorobenzidine	NS	NS	NS	mg/kg	NA	<0.0487 U	<0.0476 U	<0.047 U	NA	NA	
3-Nitroaniline	NS	NS	NS	mg/kg	NA	<0.0973 U	<0.0949 U	<0.0938 U	NA	NA	
4,6-Dinitro-2-Methylphenol	NS	NS	NS	mg/kg	NA	<0.0973 U	<0.0949 U	<0.0938 U	NA	NA	
4-Bromophenyl Phenyl Ether	NS	NS	NS	mg/kg	NA	<0.0487 U	<0.0476 U	<0.047 U	NA	NA	
4-Chloro-3-Methylphenol	NS	NS	NS	mg/kg	NA	<0.0487 U	<0.0476 U	<0.047 U	NA	NA	
4-Chloroaniline	NS	NS	NS	mg/kg	NA	<0.0487 U	<0.0476 U	<0.047 U	NA	NA	
4-Chlorophenyl Phenyl Ether	NS	NS	NS	mg/kg	NA	<0.0487 U	<0.0476 U	<0.047 U	NA	NA	
4-Nitroaniline	NS	NS	NS	mg/kg	NA	<0.0973 U	<0.0949 U	<0.0938 U	NA	NA	
4-Nitrophenol	NS	NS	NS	mg/kg	NA	<0.0973 U	<0.0949 U	<0.0938 U	NA	NA	
Acenaphthene	20	100	NS	mg/kg	NA	0.0622 JD	<0.0476 U	<0.047 U	NA	NA	
Acenaphthylene	100	100	NS	mg/kg	NA	<0.0487 U	<0.0476 U	<0.047 U	NA	NA	
Acetophenone	NS	NS	NS	mg/kg	NA	<0.0487 U	<0.0476 U	<0.047 U	NA	NA	
Aniline (Phenylamine, Aminobenzene)	NS	NS	NS	mg/kg	NA	<0.195 U	<0.19 U	<0.188 U	NA	NA	
Anthracene	100	100	NS	mg/kg	NA	<0.0487 U	<0.0476 U	<0.047 U	NA	NA	
Atrazine	NS	NS	NS	mg/kg	NA	<0.0487 U	<0.0476 U	<0.047 U	NA	NA	
Benzaldehyde	NS	NS	NS	mg/kg	NA	<0.0487 U	<0.0476 U	<0.047 U	NA	NA	
Benidine	NS	NS	NS	mg/kg	NA	<0.195 U	<0.19 U	<0.188 U	NA	NA	
Benzo(a)anthracene	1	1	NS	mg/kg	NA	<0.0487 U	<0.0476 U	<0.047 U	NA	NA	
Benzo(a)pyrene	1	1	NS	mg/kg	NA	<0.0487 U	<0.0476 U	<0.047 U	NA	NA	
Benzo(b)fluoranthene	NS	NS	NS	mg/kg	NA	<0.0487 U	<0.0476 U	<0.047 U	NA	NA	
Benzo(g,h,i)Perylene	100	100	NS	mg/kg	NA	<0.0487 U	<0.0476 U	<0.047 U	NA	NA	
Benzo(k)fluoranthene	0.8	3.9	NS	mg/kg	NA	<0.0487 U	<0.0476 U	<0.047 U	NA	NA	
Benzoic Acid	NS	NS	NS	mg/kg	NA	<0.0487 U	<0.0476 U	<0.047 U	NA	NA	
Benzyl Alcohol	NS	NS	NS	mg/kg	NA	<0.0487 U	<0.0476 U	<0.047 U	NA	NA	
Benzyl Butyl Phthalate	NS	NS	NS	mg/kg	NA	<0.0487 U	<0.0476 U	<0.047 U	NA	NA	
Biphenyl (Diphenyl)	NS	NS	NS	mg/kg	NA	<0.0487 U	<0.0476 U	<0.047 U	NA	NA	
Bis(2-chloroethoxy) methane	NS	NS	NS	mg/kg	NA	<0.0487 U	<0.0476 U	<0.047 U	NA	NA	
Bis(2-chloroethyl) ether (2-chloroethyl ether)	NS	NS	NS	mg/kg	NA	<0.0487 U	<0.0476 U	<0.047 U	NA	NA	
Bis(2-chloroisopropyl) ether	NS	NS	NS	mg/kg	NA	<0.0487 U	<0.0476 U	<0.047 U	NA	NA	
Bis(2-ethylhexyl) phthalate	NS	NS	NS	mg/kg	NA	<0.0487 U	<0.0476 U	<0.047 U	NA	NA	
Caprolactam	NS	NS	NS	mg/kg	NA	<0.0973 U	<0.0949 U	<0.0938 U	NA	NA	
Carbazole	NS	NS	NS	mg/kg	NA	<0.0487 U	<0.0476 U	<0.047 U	NA	NA	
Chrysene	1	3.9	NS	mg/kg	NA	<0.0487 U	<0.0476 U	<0.047 U	NA	NA	
Dibenzo(a,h)anthracene	0.33	0.33	NS	mg/kg	NA	<0.0487 U	<0.0476 U	<0.047 U	NA	NA	
Dibenzofuran	7	59	NS	mg/kg	NA	<0.0487 U	<0.0476 U	<0.047 U	NA	NA	
Dibutyl phthalate	NS	NS	NS	mg/kg	NA	<0.0487 U	<0.0476 U	<0.047 U	NA	NA	
Diethyl phthalate	NS	NS	NS	mg/kg	NA	<0.0487 U	<0.0476 U	<0.047 U	NA	NA	
Dimethyl phthalate	NS	NS	NS	mg/kg	NA	<0.0487 U	<0.0476 U	<0.047 U	NA	NA	
Diocetyl phthalate	NS	NS	NS	mg/kg	NA	<0.0487 U	<0.0476 U	<0.047 U	NA	NA	
Diphenylamine	NS	NS	NS	mg/kg	NA	<0.0973 U	<0.0949 U	<0.0938 U	NA	NA	
Fluoranthene	100	100	NS	mg/kg	NA	<0.0487 U	<0.0476 U	<0.047 U	NA	NA	
Fluorene	30	100	NS	mg/kg	NA	<0.0487 U	<0.0476 U	<0.047 U	NA	NA	
Hexachlorobenzene	0.33	1.2	NS	mg/kg	NA	<0.0487 U	<0.0476 U	<0.047 U	NA	NA	
Hexachlorobutadiene	NS	NS	NS	mg/kg	NA	<0.0487 U	<0.0476 U	<0.047 U	NA	NA	
Hexachlorocyclopentadiene	NS	NS	NS	mg/kg	NA	<0.0487 U	<0.0476 U	<0.047 U	NA	NA	
Hexachloroethane	NS	NS	NS	mg/kg	NA	<0.0487 U	<0.0476 U	<0.047 U	NA	NA	
Indeno(1,2,3-cd)pyrene	0.5	0.5	NS	mg/kg	NA	<0.0487 U	<0.0476 U	<0.047 U	NA	NA	
Isophorone	NS	NS	NS	mg/kg	NA	<0.0487 U	<0.0476 U	<0.047 U	NA	NA	
Naphthalene	12	100	NS	mg/kg	NA	0.0832 JD	<0.0476 U	0.0899 JD	NA	NA	
Nitrobenzene	NS	NS	NS	mg/kg	NA	<0.0487 U	<0.0476 U	<0.047 U	NA	NA	
n-Nitrosodimethylamine	NS	NS	NS	mg/kg	NA	<0.0487 U	<0.0476 U	<0.047 U	NA	NA	
n-Nitrosodi-N-Propylamine	NS	NS	NS	mg/kg	NA	<0.0487 U	<0.0476 U	<0.047 U	NA	NA	
n-Nitrosodiphenylamine	NS	NS	NS	mg/kg	NA	<0.0487 U	<0.0476 U	<0.047 U	NA	NA	
Pentachlorophenol	0.8	6.7	NS	mg/kg	NA	<0.0487 U	<0.0476 U	<0.047 U	NA	NA	
Phenanthrene	100	100	NS	mg/kg	NA	0.0863 JD	<0.0476 U	<0.047 U	NA	NA	
Phenol	0.33	100	NS	mg/kg	NA	<0.0487 U	<0.0476 U	<0.047 U	NA	NA	
Pyrene	100	100	NS	mg/kg	NA	<0.0487 U	<0.0476 U	0.0547 JD	NA	NA	

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

111 Washington Street
New York, New York
Langan Project No.: 170695201

Analyte	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Restricted Use Residential SCOs	RCRA Characteristics of Hazardous Waste	Location	SB01	SB01	SB02	SB03	SB03	SB03
				Sample Name	SB01_10-12	SB01_3-5	SB02_9-11	SB03_10-12	SB03_1-3	SB03_6-8
				Sample Date	10/9/2021	10/9/2021	10/9/2021	10/8/2021	10/8/2021	10/8/2021
				Sample Depth (ft bgs)	10-12	3-5	9-11	10-12	1-3	6-8
Pesticides										
4,4'-DDD	0.0033	13	NS	mg/kg	<0.00184 U	<0.00189 U	<0.002 U	<0.00171 U	<0.00189 U	NA
4,4'-DDE	0.0033	8.9	NS	mg/kg	<0.00184 U	<0.00189 U	<0.002 U	<0.00171 U	<0.00189 U	NA
4,4'-DDT	0.0033	7.9	NS	mg/kg	<0.00184 U	<0.00189 U	<0.002 U	<0.00171 U	<0.00189 U	NA
Aldrin	0.005	0.097	NS	mg/kg	<0.00184 U	<0.00189 U	<0.002 U	<0.00171 U	<0.00189 U	NA
Alpha BHC (Alpha Hexachlorocyclohexane)	0.02	0.48	NS	mg/kg	<0.00184 U	<0.00189 U	<0.002 U	<0.00171 U	<0.00189 U	NA
Alpha Chlordane	0.094	4.2	NS	mg/kg	<0.00184 U	<0.00189 U	<0.002 U	<0.00171 U	<0.00189 U	NA
Alpha Endosulfan	2.4	24	NS	mg/kg	<0.00184 U	<0.00189 U	<0.002 U	<0.00171 U	<0.00189 U	NA
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.36	NS	mg/kg	<0.00184 U	<0.00189 U	<0.002 U	<0.00171 U	<0.00189 U	NA
Beta Endosulfan	2.4	24	NS	mg/kg	<0.00184 U	<0.00189 U	<0.002 U	<0.00171 U	<0.00189 U	NA
Chlordane (alpha and gamma)	NS	NS	NS	mg/kg	<0.0369 U	<0.0377 U	<0.04 U	<0.0342 U	<0.0378 U	NA
Delta Bhc (Delta Hexachlorocyclohexane)	0.04	100	NS	mg/kg	<0.00184 U	<0.00189 U	<0.002 U	<0.00171 U	<0.00189 U	NA
Dieldrin	0.005	0.2	NS	mg/kg	<0.00184 U	<0.00189 U	<0.002 U	<0.00171 U	<0.00189 U	NA
Endosulfan Sulfate	2.4	24	NS	mg/kg	<0.00184 U	<0.00189 U	<0.002 U	<0.00171 U	<0.00189 U	NA
Endrin	0.014	11	NS	mg/kg	<0.00184 U	<0.00189 U	<0.002 U	<0.00171 U	<0.00189 U	NA
Endrin Aldehyde	NS	NS	NS	mg/kg	<0.00184 U	<0.00189 U	<0.002 U	<0.00171 U	<0.00189 U	NA
Endrin Ketone	NS	NS	NS	mg/kg	<0.00184 U	<0.00189 U	<0.002 U	<0.00171 U	<0.00189 U	NA
Gamma Bhc (Lindane)	0.1	1.3	NS	mg/kg	<0.00184 U	<0.00189 U	<0.002 U	<0.00171 U	<0.00189 U	NA
Gamma-Chlordane	NS	NS	NS	mg/kg	<0.00184 U	<0.00189 U	<0.002 U	<0.00171 U	<0.00189 U	NA
Heptachlor	0.042	2.1	NS	mg/kg	<0.00184 U	<0.00189 U	<0.002 U	<0.00171 U	<0.00189 U	NA
Heptachlor Epoxide	NS	NS	NS	mg/kg	<0.00184 U	<0.00189 U	<0.002 U	<0.00171 U	<0.00189 U	NA
Methoxychlor	NS	NS	NS	mg/kg	<0.00921 U	<0.00943 U	<0.01 U	<0.00855 U	<0.00946 U	NA
Toxaphene	NS	NS	NS	mg/kg	<0.0933 U	<0.0954 U	<0.101 U	<0.0866 U	<0.0957 U	NA
Polychlorinated Biphenyls										
PCB-1016 (Aroclor 1016)	NS	NS	NS	mg/kg	<0.0186 U	<0.019 U	<0.0202 U	<0.0173 U	<0.0191 U	NA
PCB-1221 (Aroclor 1221)	NS	NS	NS	mg/kg	<0.0186 U	<0.019 U	<0.0202 U	<0.0173 U	<0.0191 U	NA
PCB-1232 (Aroclor 1232)	NS	NS	NS	mg/kg	<0.0186 U	<0.019 U	<0.0202 U	<0.0173 U	<0.0191 U	NA
PCB-1242 (Aroclor 1242)	NS	NS	NS	mg/kg	<0.0186 U	<0.019 U	<0.0202 U	<0.0173 U	<0.0191 U	NA
PCB-1248 (Aroclor 1248)	NS	NS	NS	mg/kg	<0.0186 U	<0.019 U	<0.0202 U	<0.0173 U	<0.0191 U	NA
PCB-1254 (Aroclor 1254)	NS	NS	NS	mg/kg	<0.0186 U	<0.019 U	<0.0202 U	<0.0173 U	<0.0191 U	NA
PCB-1260 (Aroclor 1260)	NS	NS	NS	mg/kg	<0.0186 U	<0.019 U	<0.0202 U	<0.0173 U	<0.0191 U	NA
Total PCBs	0.1	1	NS	mg/kg	<0.0186 U	<0.019 U	<0.0202 U	<0.0173 U	<0.0191 U	NA
Metals										
Aluminum	NS	NS	NS	mg/kg	6,710	8,160	11,200	6,230	6,970	NA
Antimony	NS	NS	NS	mg/kg	<2.86 U	<2.94 U	<3.06 U	<2.62 U	<2.89 U	NA
Arsenic	13	16	NS	mg/kg	<1.71 U	<1.77 U	<1.84 U	<1.57 U	3.57	NA
Barium	350	400	NS	mg/kg	33.5	111	74.9	44	395	NA
Beryllium	7.2	72	NS	mg/kg	<0.057 U	<0.059 U	<0.061 U	<0.052 U	<0.058 U	NA
Cadmium	2.5	4.3	NS	mg/kg	<0.343 U	0.704	<0.367 U	<0.314 U	0.884	NA
Calcium	NS	NS	NS	mg/kg	2,230	24,400	15,200	1,430	13,000 B	NA
Chromium, Hexavalent	1	110	NS	mg/kg	<0.571 U	<0.589 U	<0.612 U	<0.524 U	<0.579 U	<0.593 U
Chromium, Total	1	110	NS	mg/kg	14.4	18.6	28.4	15.3	17.1	NA
Chromium, Trivalent	30	180	NS	mg/kg	14.4	18.6	28.4	15.3	17.1	NA
Cobalt	NS	NS	NS	mg/kg	5.42	8.28	11.5	6.69	4.82	NA
Copper	50	270	NS	mg/kg	11.3	17.6	16.8	11.9	110	NA
Iron	NS	NS	NS	mg/kg	10,900	14,700	21,000	11,500	10,600	NA
Lead	63	400	NS	mg/kg	9.51	96.3	40.3	9.3	3,700	NA
Magnesium	NS	NS	NS	mg/kg	2,360	6,000	10,400	2,250	3,390	NA
Manganese	1600	2000	NS	mg/kg	262	375	609	477	197	NA
Mercury	0.18	0.81	NS	mg/kg	0.0555	1.83	1.88	0.074	2.18	NA
Nickel	30	310	NS	mg/kg	24.2	40.1	89.6	40.6	23	NA
Potassium	NS	NS	NS	mg/kg	1,200 B	2,380 B	3,180 B	1,160	939	NA
Selenium	3.9	180	NS	mg/kg	<2.86 U	<2.94 U	<3.06 U	<2.62 U	<2.89 U	NA
Silver	2	180	NS	mg/kg	<0.571 U	<0.589 U	<0.612 U	<0.524 U	1.94	NA
Sodium	NS	NS	NS	mg/kg	126	227	254	132	192	NA
Thallium	NS	NS	NS	mg/kg	<2.86 U	<2.94 U	<3.06 U	<2.62 U	<2.89 U	NA
Vanadium	NS	NS	NS	mg/kg	15.4	20.2	25.1	14.6	15.2	NA
Zinc	109	10000	NS	mg/kg	19	288	36.3	17.9	326	NA
Metals - TCLP										
Lead	NS	NS	5	mg/l	NA	NA	NA	NA	3.18	NA
General Chemistry										
Solids, Percent	NS	NS	NS	Percent	87.5	85	81.7	95.5	86.4	84.4

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

111 Washington Street
New York, New York
Langan Project No.: 170695201

Analyte	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Restricted Use Restricted- Residential SCOs	RCRA Characteristics of Hazardous Waste	Location		SB04	SB04	SB05	SB05	SB06	SB06
				Sample Name		SB04_14-16	SB04_2-4	SB05_1-3	SB05_6-8	SB06_1-3	SB06_14-16
				Sample Date		10/8/2021	10/8/2021	10/8/2021	10/8/2021	10/8/2021	10/8/2021
				Sample Depth (ft bgs)		14-16	2-4	1-3	6-8	1-3	14-16
Pesticides											
4,4'-DDD	0.0033	13	NS	mg/kg	<0.00239 U	<0.00188 U	<0.00189 U	0.0204 D	<0.0018 U	<0.00188 U	<0.00188 U
4,4'-DDE	0.0033	8.9	NS	mg/kg	<0.00239 U	<0.00188 U	<0.00189 U	0.0273 D	<0.0018 U	<0.00188 U	<0.00188 U
4,4'-DDT	0.0033	7.9	NS	mg/kg	<0.00239 U	<0.00188 U	<0.00189 U	0.236 D	<0.0018 U	<0.00188 U	<0.00188 U
Aldrin	0.005	0.097	NS	mg/kg	<0.00239 U	<0.00188 U	<0.00189 U	<0.00193 U	<0.0018 U	<0.00188 U	<0.00188 U
Alpha BHC (Alpha Hexachlorocyclohexane)	0.02	0.48	NS	mg/kg	<0.00239 U	<0.00188 U	<0.00189 U	<0.00193 U	<0.0018 U	<0.00188 U	<0.00188 U
Alpha Chlordane	0.094	4.2	NS	mg/kg	<0.00239 U	<0.00188 U	<0.00189 U	0.0317 D	<0.0018 U	<0.00188 U	<0.00188 U
Alpha Endosulfan	2.4	24	NS	mg/kg	<0.00239 U	<0.00188 U	<0.00189 U	<0.00193 U	<0.0018 U	<0.00188 U	<0.00188 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.36	NS	mg/kg	<0.00239 U	<0.00188 U	<0.00189 U	<0.00193 U	<0.0018 U	<0.00188 U	<0.00188 U
Beta Endosulfan	2.4	24	NS	mg/kg	<0.00239 U	<0.00188 U	<0.00189 U	<0.00193 U	<0.0018 U	<0.00188 U	<0.00188 U
Chlordane (alpha and gamma)	NS	NS	NS	mg/kg	<0.0478 U	<0.0376 U	<0.0377 U	0.14 D	<0.0361 U	<0.0377 U	<0.0377 U
Delta Bhc (Delta Hexachlorocyclohexane)	0.04	100	NS	mg/kg	<0.00239 U	<0.00188 U	<0.00189 U	<0.00193 U	<0.0018 U	<0.00188 U	<0.00188 U
Dieldrin	0.005	0.2	NS	mg/kg	<0.00239 U	<0.00188 U	<0.00189 U	<0.00193 U	<0.0018 U	<0.00188 U	<0.00188 U
Endosulfan Sulfate	2.4	24	NS	mg/kg	<0.00239 U	<0.00188 U	<0.00189 U	<0.00193 U	<0.0018 U	<0.00188 U	<0.00188 U
Endrin	0.014	11	NS	mg/kg	<0.00239 U	<0.00188 U	<0.00189 U	<0.00193 U	<0.0018 U	<0.00188 U	<0.00188 U
Endrin Aldehyde	NS	NS	NS	mg/kg	<0.00239 U	<0.00188 U	<0.00189 U	<0.00193 U	<0.0018 U	<0.00188 U	<0.00188 U
Endrin Ketone	NS	NS	NS	mg/kg	<0.00239 U	<0.00188 U	<0.00189 U	<0.00193 U	<0.0018 U	<0.00188 U	<0.00188 U
Gamma Bhc (Lindane)	0.1	1.3	NS	mg/kg	<0.00239 U	<0.00188 U	<0.00189 U	<0.00193 U	<0.0018 U	<0.00188 U	<0.00188 U
Gamma-Chlordane	NS	NS	NS	mg/kg	<0.00239 U	<0.00188 U	<0.00189 U	0.0293 D	<0.0018 U	<0.00188 U	<0.00188 U
Heptachlor	0.042	2.1	NS	mg/kg	<0.00239 U	<0.00188 U	<0.00189 U	<0.00193 U	<0.0018 U	<0.00188 U	<0.00188 U
Heptachlor Epoxide	NS	NS	NS	mg/kg	<0.00239 U	<0.00188 U	<0.00189 U	<0.00193 U	<0.0018 U	<0.00188 U	<0.00188 U
Methoxychlor	NS	NS	NS	mg/kg	<0.0119 U	<0.00941 U	<0.00943 U	<0.00964 U	<0.00902 U	<0.00941 U	<0.00941 U
Toxaphene	NS	NS	NS	mg/kg	<0.121 U	<0.0952 U	<0.0954 U	<0.0976 U	<0.0913 U	<0.0953 U	<0.0953 U
Polychlorinated Biphenyls											
PCB-1016 (Aroclor 1016)	NS	NS	NS	mg/kg	<0.0241 U	<0.019 U	<0.019 U	<0.0195 U	<0.0182 U	<0.019 U	<0.019 U
PCB-1221 (Aroclor 1221)	NS	NS	NS	mg/kg	<0.0241 U	<0.019 U	<0.019 U	<0.0195 U	<0.0182 U	<0.019 U	<0.019 U
PCB-1232 (Aroclor 1232)	NS	NS	NS	mg/kg	<0.0241 U	<0.019 U	<0.019 U	<0.0195 U	<0.0182 U	<0.019 U	<0.019 U
PCB-1242 (Aroclor 1242)	NS	NS	NS	mg/kg	<0.0241 U	<0.019 U	<0.019 U	<0.0195 U	<0.0182 U	<0.019 U	<0.019 U
PCB-1248 (Aroclor 1248)	NS	NS	NS	mg/kg	<0.0241 U	<0.019 U	<0.019 U	<0.0195 U	<0.0182 U	<0.019 U	<0.019 U
PCB-1254 (Aroclor 1254)	NS	NS	NS	mg/kg	<0.0241 U	<0.019 U	<0.019 U	<0.0195 U	<0.0182 U	<0.019 U	<0.019 U
PCB-1260 (Aroclor 1260)	NS	NS	NS	mg/kg	<0.0241 U	<0.019 U	<0.019 U	<0.0195 U	<0.0182 U	<0.019 U	<0.019 U
Total PCBs	0.1	1	NS	mg/kg	<0.0241 U	<0.019 U	<0.019 U	<0.0195 U	<0.0182 U	<0.019 U	<0.019 U
Metals											
Aluminum	NS	NS	NS	mg/kg	5,290	6,670	11,400	4,980	7,520	4,700	
Antimony	NS	NS	NS	mg/kg	<3.67 U	<2.88 U	<2.89 U	<2.96 U	<2.78 U	<2.91 U	
Arsenic	13	16	NS	mg/kg	2.49	6.67	<1.73 U	19.1	13	<1.75 U	
Barium	350	400	NS	mg/kg	54.4	175	152	236	70.1	35.8	
Beryllium	7.2	72	NS	mg/kg	<0.073 U	<0.058 U	<0.058 U	<0.059 U	<0.056 U	0.066	
Cadmium	2.5	4.3	NS	mg/kg	<0.44 U	0.632	<0.346 U	1.08	0.469	<0.349 U	
Calcium	NS	NS	NS	mg/kg	13,600 B	39,000 B	16,600 B	26,600 B	45,200 B	1,640 B	
Chromium, Hexavalent	1	110	NS	mg/kg	<0.734 U	<0.576 U	<0.577 U	<0.592 U	<0.556 U	<0.582 U	
Chromium, Total	1	110	NS	mg/kg	13.2	15	23.5	21.8	24.3	11.7	
Chromium, Trivalent	30	180	NS	mg/kg	13.2	15	23.5	22.2	24.3	11.7	
Cobalt	NS	NS	NS	mg/kg	4.55	5.67	10.3	5.2	9.05	4.63	
Copper	50	270	NS	mg/kg	134	60.4	17.9	160	31	7	
Iron	NS	NS	NS	mg/kg	12,300	11,400	20,700	22,200	37,200	12,600	
Lead	63	400	NS	mg/kg	86.5	349	7.18	298	16.5	1.77	
Magnesium	NS	NS	NS	mg/kg	8,400	6,760	8,250	5,530	14,300	2,160	
Manganese	1600	2000	NS	mg/kg	137	334	441	278	299	61.7	
Mercury	0.18	0.81	NS	mg/kg	0.0904	1.54	<0.0346 U	3.55	<0.0334 U	<0.0349 U	
Nickel	30	310	NS	mg/kg	24	20.1	32.7	20.2	41.3	23.4	
Potassium	NS	NS	NS	mg/kg	1,220	1,220	3,480	820	2,030	1,410	
Selenium	3.9	180	NS	mg/kg	<3.67 U	<2.88 U	<2.89 U	<2.96 U	<2.78 U	<2.91 U	
Silver	2	180	NS	mg/kg	<0.734 U	0.803	<0.577 U	2.46	<0.556 U	<0.582 U	
Sodium	NS	NS	NS	mg/kg	180	256	270	364	269	164	
Thallium	NS	NS	NS	mg/kg	<3.67 U	<2.88 U	<2.89 U	<2.96 U	<2.78 U	<2.91 U	
Vanadium	NS	NS	NS	mg/kg	17.4	19.5	26.2	20.2	24.4	15.8	
Zinc	109	10000	NS	mg/kg	60.3	285	38.1	424	84.5	19	
Metals - TCLP											
Lead	NS	NS	5	mg/l	NA	NA	NA	NA	NA	NA	
General Chemistry											
Solids, Percent	NS	NS	NS	Percent	68.1	86.8	86.6	84.4	89.9	85.9	

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

111 Washington Street
New York, New York
Langan Project No.: 170695201

Analyte	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Restricted Use Restricted- Residential SCOs	RCRA Characteristics of Hazardous Waste	Location		SB06	SB08	SB08	SB09	SB12	SB13
				Sample Name		SB06_18-20	SB08_14-16	SB08_3-5	SB09_12-14	SB12_9-11	SB13_13-15
				Sample Date		10/8/2021	10/9/2021	10/9/2021	10/9/2021	10/11/2021	10/11/2021
				Sample Depth (ft bgs)		18-20	14-16	3-5	12-14	9-11	13-15
Pesticides											
4,4'-DDD	0.0033	13	NS	mg/kg	NA	<0.00193 U	<0.00187 U	<0.00186 U	NA	NA	NA
4,4'-DDE	0.0033	8.9	NS	mg/kg	NA	<0.00193 U	<0.00187 U	<0.00186 U	NA	NA	NA
4,4'-DDT	0.0033	7.9	NS	mg/kg	NA	<0.00193 U	<0.00187 U	<0.00186 U	NA	NA	NA
Aldrin	0.005	0.097	NS	mg/kg	NA	<0.00193 U	<0.00187 U	<0.00186 U	NA	NA	NA
Alpha BHC (Alpha Hexachlorocyclohexane)	0.02	0.48	NS	mg/kg	NA	<0.00193 U	<0.00187 U	<0.00186 U	NA	NA	NA
Alpha Chlordane	0.094	4.2	NS	mg/kg	NA	<0.00193 U	<0.00187 U	<0.00186 U	NA	NA	NA
Alpha Endosulfan	2.4	24	NS	mg/kg	NA	<0.00193 U	<0.00187 U	<0.00186 U	NA	NA	NA
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.36	NS	mg/kg	NA	<0.00193 U	<0.00187 U	<0.00186 U	NA	NA	NA
Beta Endosulfan	2.4	24	NS	mg/kg	NA	<0.00193 U	<0.00187 U	<0.00186 U	NA	NA	NA
Chlordane (alpha and gamma)	NS	NS	NS	mg/kg	NA	<0.0386 U	<0.0374 U	<0.0372 U	NA	NA	NA
Delta Bhc (Delta Hexachlorocyclohexane)	0.04	100	NS	mg/kg	NA	<0.00193 U	<0.00187 U	<0.00186 U	NA	NA	NA
Dieldrin	0.005	0.2	NS	mg/kg	NA	<0.00193 U	<0.00187 U	<0.00186 U	NA	NA	NA
Endosulfan Sulfate	2.4	24	NS	mg/kg	NA	<0.00193 U	<0.00187 U	<0.00186 U	NA	NA	NA
Endrin	0.014	11	NS	mg/kg	NA	<0.00193 U	<0.00187 U	<0.00186 U	NA	NA	NA
Endrin Aldehyde	NS	NS	NS	mg/kg	NA	<0.00193 U	<0.00187 U	<0.00186 U	NA	NA	NA
Endrin Ketone	NS	NS	NS	mg/kg	NA	<0.00193 U	<0.00187 U	<0.00186 U	NA	NA	NA
Gamma Bhc (Lindane)	0.1	1.3	NS	mg/kg	NA	<0.00193 U	<0.00187 U	<0.00186 U	NA	NA	NA
Gamma-Chlordane	NS	NS	NS	mg/kg	NA	<0.00193 U	<0.00187 U	<0.00186 U	NA	NA	NA
Heptachlor	0.042	2.1	NS	mg/kg	NA	<0.00193 U	<0.00187 U	<0.00186 U	NA	NA	NA
Heptachlor Epoxide	NS	NS	NS	mg/kg	NA	<0.00193 U	<0.00187 U	<0.00186 U	NA	NA	NA
Methoxychlor	NS	NS	NS	mg/kg	NA	<0.00966 U	<0.00935 U	<0.00931 U	NA	NA	NA
Toxaphene	NS	NS	NS	mg/kg	NA	<0.0977 U	<0.0947 U	<0.0942 U	NA	NA	NA
Polychlorinated Biphenyls											
PCB-1016 (Aroclor 1016)	NS	NS	NS	mg/kg	NA	<0.0195 U	<0.0189 U	<0.0188 U	NA	NA	NA
PCB-1221 (Aroclor 1221)	NS	NS	NS	mg/kg	NA	<0.0195 U	<0.0189 U	<0.0188 U	NA	NA	NA
PCB-1232 (Aroclor 1232)	NS	NS	NS	mg/kg	NA	<0.0195 U	<0.0189 U	<0.0188 U	NA	NA	NA
PCB-1242 (Aroclor 1242)	NS	NS	NS	mg/kg	NA	<0.0195 U	<0.0189 U	<0.0188 U	NA	NA	NA
PCB-1248 (Aroclor 1248)	NS	NS	NS	mg/kg	NA	<0.0195 U	<0.0189 U	<0.0188 U	NA	NA	NA
PCB-1254 (Aroclor 1254)	NS	NS	NS	mg/kg	NA	<0.0195 U	<0.0189 U	<0.0188 U	NA	NA	NA
PCB-1260 (Aroclor 1260)	NS	NS	NS	mg/kg	NA	<0.0195 U	<0.0189 U	<0.0188 U	NA	NA	NA
Total PCBs	0.1	1	NS	mg/kg	NA	<0.0195 U	<0.0189 U	<0.0188 U	NA	NA	NA
Metals											
Aluminum	NS	NS	NS	mg/kg	NA	11,600	9,390	5,980	NA	NA	NA
Antimony	NS	NS	NS	mg/kg	NA	<2.99 U	<2.9 U	<2.88 U	NA	NA	NA
Arsenic	13	16	NS	mg/kg	NA	<1.8 U	<1.74 U	<1.73 U	NA	NA	NA
Barium	350	400	NS	mg/kg	NA	84.9	101	54.7	NA	NA	NA
Beryllium	7.2	72	NS	mg/kg	NA	<0.06 U	<0.058 U	<0.058 U	NA	NA	NA
Cadmium	2.5	4.3	NS	mg/kg	NA	<0.359 U	<0.348 U	<0.345 U	NA	NA	NA
Calcium	NS	NS	NS	mg/kg	NA	5,160	13,900	6,780	NA	NA	NA
Chromium, Hexavalent	1	110	NS	mg/kg	<0.569 U	<0.599 U	<0.58 U	<0.575 U	NA	NA	NA
Chromium, Total	1	110	NS	mg/kg	NA	27.3	21.6	18.7	NA	NA	NA
Chromium, Trivalent	30	180	NS	mg/kg	NA	27.3	21.6	18.7	NA	NA	NA
Cobalt	NS	NS	NS	mg/kg	NA	9.81	9.74	5.39	NA	NA	NA
Copper	50	270	NS	mg/kg	NA	36.7	13.4	16.4	NA	NA	NA
Iron	NS	NS	NS	mg/kg	NA	15,100	18,400	10,500	NA	NA	NA
Lead	63	400	NS	mg/kg	NA	35	14.6	60.6	NA	NA	NA
Magnesium	NS	NS	NS	mg/kg	NA	3,680	8,010	2,470	NA	NA	NA
Manganese	1600	2000	NS	mg/kg	NA	216	387	335	NA	NA	NA
Mercury	0.18	0.81	NS	mg/kg	NA	0.0557	<0.0348 U	0.0782	NA	NA	NA
Nickel	30	310	NS	mg/kg	NA	45.6	50.1	23.2	NA	NA	NA
Potassium	NS	NS	NS	mg/kg	NA	1,260 B	3,040 B	1,370 B	NA	NA	NA
Selenium	3.9	180	NS	mg/kg	NA	<2.99 U	<2.9 U	<2.88 U	NA	NA	NA
Silver	2	180	NS	mg/kg	NA	0.926	<0.58 U	<0.575 U	NA	NA	NA
Sodium	NS	NS	NS	mg/kg	NA	122	231	170	NA	NA	NA
Thallium	NS	NS	NS	mg/kg	NA	<2.99 U	<2.9 U	<2.88 U	NA	NA	NA
Vanadium	NS	NS	NS	mg/kg	NA	22.9	22.6	15	NA	NA	NA
Zinc	109	10000	NS	mg/kg	NA	51.5	47.9	23.7	NA	NA	NA
Metals - TCLP											
Lead	NS	NS	5	mg/l	NA	NA	NA	NA	NA	NA	NA
General Chemistry											
Solids, Percent	NS	NS	NS	Percent	87.8	83.5	86.2	86.9	87.7	84.4	

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

111 Washington Street
 New York, New York
 Langan Project No.: 170695201

Notes:

TCLP - Toxicity Characteristic Leaching Procedure

ft bgs - feet below grade surface

NS - No standard

mg/l - milligram per liter

mg/kg - milligram per kilogram

NA - Not analyzed

RL - Reporting limit

<RL - Not detected

Soil sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use and Restricted Use Restricted-Residential Soil Cleanup Objectives (SCO).

TCLP soil sample analytical results are compared to the 6 New York Codes, Rules and Regulations (NYCRR) Part 371.3 and 40 CFR 261 Subpart C and Table 1 of 40 CFR 261.24 - Environmental Protection Agency (EPA) Resource Conservation and Recovery Act (RCRA) Characteristics of Hazardous Waste.

Criterion comparisons for 3- & 4-methylphenol (m&p cresol) are provided for reference. Promulgated SCOs are for 3-methylphenol (m-cresol) and 4-methylphenol (p-cresol).

Qualifiers:

D - The concentration reported is a result of a diluted sample.

E - The result is estimated and cannot be accurately reported due to levels encountered or interferences.

J - The analyte was detected above the method detection limit (MDL), but below the reporting limit (RL); therefore, the result is an estimated concentration.

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

B - The analyte was found in the associated analysis batch blank.

Exceedance Summary:

10 - Result exceeds Unrestricted Use SCOs

10 - Result exceeds Restricted Use Restricted-Residential SCOs

10 - Result exceeds RCRA Characteristics of Hazardous Waste

Table 3
Phase II Environmental Site Investigation
Groundwater Sample Analytical Results

111 Washington Street
New York, New York
Langan Project No.: 170695201

Analyte	NYSDEC SGVs	Location	TMW01	TMW02	TMW03
		Sample Name	TMW01_101121	TMW02_101121	TMW03_101121
		Sample Date	10/11/2021	10/11/2021	10/11/2021
		Unit	Result	Result	Result
Volatile Organic Compounds					
1,1,1,2-Tetrachloroethane	5	ug/l	<0.2 U	<0.2 U	<0.2 U
1,1,1-Trichloroethane	5	ug/l	<0.2 U	<0.2 U	<0.2 U
1,1,2,2-Tetrachloroethane	5	ug/l	<0.2 U	<0.2 U	<0.2 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	5	ug/l	<0.2 U	<0.2 U	<0.2 U
1,1,2-Trichloroethane	1	ug/l	<0.2 U	<0.2 U	<0.2 U
1,1-Dichloroethane	5	ug/l	<0.2 U	<0.2 U	<0.2 U
1,1-Dichloroethene	5	ug/l	<0.2 U	<0.2 U	<0.2 U
1,2,3-Trichlorobenzene	5	ug/l	<0.2 U	<0.2 U	<0.2 U
1,2,3-Trichloropropane	0.04	ug/l	<0.2 U	<0.2 U	<0.2 U
1,2,4-Trichlorobenzene	5	ug/l	<0.2 U	<0.2 U	<0.2 U
1,2,4-Trimethylbenzene	5	ug/l	0.25 J	<0.2 U	<0.2 U
1,2-Dibromo-3-Chloropropane	0.04	ug/l	<0.2 U	<0.2 U	<0.2 U
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	ug/l	<0.2 U	<0.2 U	<0.2 U
1,2-Dichlorobenzene	3	ug/l	<0.2 U	<0.2 U	<0.2 U
1,2-Dichloroethane	0.6	ug/l	<0.2 U	<0.2 U	<0.2 U
1,2-Dichloropropane	1	ug/l	<0.2 U	<0.2 U	<0.2 U
1,3,5-Trimethylbenzene (Mesitylene)	5	ug/l	<0.2 U	<0.2 U	<0.2 U
1,3-Dichlorobenzene	3	ug/l	<0.2 U	<0.2 U	<0.2 U
1,4-Dichlorobenzene	3	ug/l	<0.2 U	<0.2 U	<0.2 U
1,4-Dioxane (P-Dioxane)	NS	ug/l	<40 U	<40 U	<40 U
2-Hexanone (MBK)	50	ug/l	<0.2 U	<0.2 U	<0.2 U
Acetone	50	ug/l	1.1 J	<1 U	<1 U
Acrolein	5	ug/l	<0.2 U	<0.2 U	<0.2 U
Acrylonitrile	5	ug/l	<0.2 U	<0.2 U	<0.2 U
Benzene	1	ug/l	0.27 J	<0.2 U	<0.2 U
Bromochloromethane	5	ug/l	<0.2 U	<0.2 U	<0.2 U
Bromodichloromethane	50	ug/l	<0.2 U	<0.2 U	<0.2 U
Bromoform	50	ug/l	<0.2 U	<0.2 U	<0.2 U
Bromomethane	5	ug/l	<0.2 U	<0.2 U	<0.2 U
Carbon Disulfide	60	ug/l	0.23 J	<0.2 U	<0.2 U
Carbon Tetrachloride	5	ug/l	<0.2 U	<0.2 U	<0.2 U
Chlorobenzene	5	ug/l	<0.2 U	<0.2 U	<0.2 U
Chloroethane	5	ug/l	<0.2 U	<0.2 U	<0.2 U
Chloroform	7	ug/l	<0.2 U	<0.2 U	<0.2 U
Chloromethane	5	ug/l	<0.2 U	<0.2 U	<0.2 U
Cis-1,2-Dichloroethene	5	ug/l	<0.2 U	<0.2 U	<0.2 U
Cis-1,3-Dichloropropene	0.4	ug/l	<0.2 U	<0.2 U	<0.2 U
Cyclohexane	NS	ug/l	4.6	<0.2 U	<0.2 U
Dibromochloromethane	50	ug/l	<0.2 U	<0.2 U	<0.2 U
Dibromomethane	5	ug/l	<0.2 U	<0.2 U	<0.2 U
Dichlorodifluoromethane	5	ug/l	<0.2 U	<0.2 U	<0.2 U
Ethylbenzene	5	ug/l	<0.2 U	<0.2 U	<0.2 U
Hexachlorobutadiene	0.5	ug/l	<0.2 U	<0.2 U	<0.2 U
Isopropylbenzene (Cumene)	5	ug/l	4.4	<0.2 U	<0.2 U
M,P-Xylene	5	ug/l	0.72 J	<0.5 U	<0.5 U
Methyl Acetate	NS	ug/l	<0.2 U	<0.2 U	<0.2 U
Methyl Ethyl Ketone (2-Butanone)	50	ug/l	<0.2 U	<0.2 U	<0.2 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	ug/l	<0.2 U	<0.2 U	<0.2 U
Methylcyclohexane	NS	ug/l	1.6	<0.2 U	<0.2 U
Methylene Chloride	5	ug/l	<1 U	<1 U	<1 U
n-Butylbenzene	5	ug/l	0.32 J	<0.2 U	<0.2 U
n-Propylbenzene	5	ug/l	2.6	<0.2 U	<0.2 U
o-Xylene (1,2-Dimethylbenzene)	5	ug/l	0.35 J	<0.2 U	<0.2 U
p-Cymene (p-Isopropyltoluene)	NS	ug/l	<0.2 U	<0.2 U	<0.2 U
Sec-Butylbenzene	5	ug/l	1.1	<0.2 U	<0.2 U
Styrene	5	ug/l	<0.2 U	<0.2 U	<0.2 U
T-Butylbenzene	5	ug/l	0.25 J	<0.2 U	<0.2 U
Tert-Butyl Alcohol	NS	ug/l	<0.5 U	<0.5 U	<0.5 U
Tert-Butyl Methyl Ether	10	ug/l	<0.2 U	<0.2 U	<0.2 U
Tetrachloroethene (PCE)	5	ug/l	<0.2 U	<0.2 U	<0.2 U
Toluene	5	ug/l	0.28 J	<0.2 U	<0.2 U
Total Xylenes	5	ug/l	1.1 J	<0.6 U	<0.6 U
Trans-1,2-Dichloroethene	5	ug/l	<0.2 U	<0.2 U	<0.2 U
Trans-1,3-Dichloropropene	0.4	ug/l	<0.2 U	<0.2 U	<0.2 U
Trans-1,4-Dichloro-2-Butene	5	ug/l	<0.2 U	<0.2 U	<0.2 U
Trichloroethene (TCE)	5	ug/l	<0.2 U	<0.2 U	<0.2 U
Trichlorofluoromethane	5	ug/l	<0.2 U	<0.2 U	<0.2 U
Vinyl Chloride	2	ug/l	<0.2 U	<0.2 U	<0.2 U

Table 3
Phase II Environmental Site Investigation
Groundwater Sample Analytical Results

111 Washington Street
New York, New York
Langan Project No.: 170695201

Analyte	NYSDEC SGVs	Location	TMW01	TMW02	TMW03
		Sample Name	TMW01_101121	TMW02_101121	TMW03_101121
		Sample Date	10/11/2021	10/11/2021	10/11/2021
		Unit	Result	Result	Result
Semivolatile Organic Compounds					
1,2,4,5-Tetrachlorobenzene	5	ug/l	<2.78 U	<2.7 U	<2.86 U
1,2,4-Trichlorobenzene	5	ug/l	<2.78 U	<2.7 U	<2.86 U
1,2-Dichlorobenzene	3	ug/l	<2.78 U	<2.7 U	<2.86 U
1,2-Diphenylhydrazine	0	ug/l	<2.78 U	<2.7 U	<2.86 U
1,3-Dichlorobenzene	3	ug/l	<2.78 U	<2.7 U	<2.86 U
1,4-Dichlorobenzene	3	ug/l	<2.78 U	<2.7 U	<2.86 U
2,3,4,6-Tetrachlorophenol	NS	ug/l	<2.78 U	<2.7 U	<2.86 U
2,4,5-Trichlorophenol	NS	ug/l	<2.78 U	<2.7 U	<2.86 U
2,4,6-Trichlorophenol	NS	ug/l	<2.78 U	<2.7 U	<2.86 U
2,4-Dichlorophenol	1	ug/l	<2.78 U	<2.7 U	<2.86 U
2,4-Dimethylphenol	1	ug/l	<2.78 U	<2.7 U	<2.86 U
2,4-Dinitrophenol	1	ug/l	<2.78 U	<2.7 U	<2.86 U
2,4-Dinitrotoluene	5	ug/l	<2.78 U	<2.7 U	<2.86 U
2,6-Dinitrotoluene	5	ug/l	<2.78 U	<2.7 U	<2.86 U
2-Chloronaphthalene	10	ug/l	<2.78 U	<2.7 U	<2.86 U
2-Chlorophenol	NS	ug/l	<2.78 U	<2.7 U	<2.86 U
2-Methylnaphthalene	NS	ug/l	<2.78 U	<2.7 U	<2.86 U
2-Methylphenol (o-Cresol)	NS	ug/l	<2.78 U	<2.7 U	<2.86 U
2-Nitroaniline	5	ug/l	<2.78 U	<2.7 U	<2.86 U
2-Nitrophenol	NS	ug/l	<2.78 U	<2.7 U	<2.86 U
3 & 4 Methylphenol (m&p Cresol)	NS	ug/l	<2.78 U	<2.7 U	<2.86 U
3,3'-Dichlorobenzidine	5	ug/l	<2.78 U	<2.7 U	<2.86 U
3-Nitroaniline	5	ug/l	<2.78 U	<2.7 U	<2.86 U
4,6-Dinitro-2-Methylphenol	NS	ug/l	<2.78 U	<2.7 U	<2.86 U
4-Bromophenyl Phenyl Ether	NS	ug/l	<2.78 U	<2.7 U	<2.86 U
4-Chloro-3-Methylphenol	NS	ug/l	<2.78 U	<2.7 U	<2.86 U
4-Chloroaniline	5	ug/l	<2.78 U	<2.7 U	<2.86 U
4-Chlorophenyl Phenyl Ether	NS	ug/l	<2.78 U	<2.7 U	<2.86 U
4-Nitroaniline	5	ug/l	<2.78 U	<2.7 U	<2.86 U
4-Nitrophenol	NS	ug/l	<2.78 U	<2.7 U	<2.86 U
Acenaphthene	20	ug/l	2.4	0.259	<0.0571 U
Acenaphthylene	NS	ug/l	<0.0556 U	<0.0541 U	<0.0571 U
Acetophenone	NS	ug/l	<2.78 U	<2.7 U	<2.86 U
Aniline (Phenylamine, Aminobenzene)	5	ug/l	<2.78 U	<2.7 U	<2.86 U
Anthracene	50	ug/l	0.144	0.0865	0.0686
Atrazine	7.5	ug/l	<0.556 U	<0.541 U	<0.571 U
Benzaldehyde	NS	ug/l	<2.78 U	<2.7 U	<2.86 U
Benzidine	5	ug/l	<11.1 U	<10.8 U	<11.4 U
Benzo(a)anthracene	0.002	ug/l	<0.0556 U	<0.0541 U	<0.0571 U
Benzo(a)pyrene	0	ug/l	<0.0556 U	<0.0541 U	<0.0571 U
Benzo(b)fluoranthene	0.002	ug/l	<0.0556 U	<0.0541 U	<0.0571 U
Benzo(g,h,i)Perylene	NS	ug/l	<0.0556 U	<0.0541 U	<0.0571 U
Benzo(k)fluoranthene	0.002	ug/l	<0.0556 U	<0.0541 U	<0.0571 U
Benzoic Acid	NS	ug/l	<27.8 U	<27 U	<28.6 U
Benzyl Alcohol	NS	ug/l	<2.78 U	<2.7 U	<2.86 U
Benzyl Butyl Phthalate	50	ug/l	<2.78 U	<2.7 U	<2.86 U
Biphenyl (Diphenyl)	5	ug/l	<2.78 U	<2.7 U	<2.86 U
Bis(2-chloroethoxy) methane	5	ug/l	<2.78 U	<2.7 U	<2.86 U
Bis(2-chloroethyl) ether (2-chloroethyl ether)	1	ug/l	<2.78 U	<2.7 U	<2.86 U
Bis(2-chloroisopropyl) ether	5	ug/l	<2.78 U	<2.7 U	<2.86 U
Bis(2-ethylhexyl) phthalate	5	ug/l	0.789 B	0.627 B	0.571 B
Caprolactam	NS	ug/l	<2.78 U	<2.7 U	<2.86 U
Carbazole	NS	ug/l	<2.78 U	<2.7 U	<2.86 U
Chrysene	0.002	ug/l	<0.0556 U	<0.0541 U	<0.0571 U
Dibenz(a,h)anthracene	NS	ug/l	<0.0556 U	<0.0541 U	<0.0571 U
Dibenzofuran	NS	ug/l	<2.78 U	<2.7 U	<2.86 U
Dibutyl phthalate	50	ug/l	<2.78 U	<2.7 U	<2.86 U
Diethyl phthalate	50	ug/l	<2.78 U	<2.7 U	<2.86 U
Dimethyl phthalate	50	ug/l	<2.78 U	<2.7 U	<2.86 U
Diethyl phthalate	50	ug/l	<2.78 U	<2.7 U	<2.86 U
Diphenylamine	5	ug/l	<2.78 U	<2.7 U	<2.86 U
Fluoranthene	50	ug/l	<0.0556 U	0.4	0.103
Fluorene	50	ug/l	<0.0556 U	<0.0541 U	<0.0571 U
Hexachlorobenzene	0.04	ug/l	<0.0222 U	<0.0216 U	<0.0229 U
Hexachlorobutadiene	0.5	ug/l	<0.556 U	<0.541 U	<0.571 U
Hexachlorocyclopentadiene	5	ug/l	<2.78 U	<2.7 U	<2.86 U
Hexachloroethane	5	ug/l	<0.556 U	<0.541 U	<0.571 U
Indeno(1,2,3-cd)pyrene	0.002	ug/l	<0.0556 U	<0.0541 U	<0.0571 U
Isophorone	50	ug/l	<2.78 U	<2.7 U	<2.86 U
Naphthalene	10	ug/l	0.589	0.0865	0.263
Nitrobenzene	0.4	ug/l	<0.278 U	<0.27 U	<0.286 U
n-Nitrosodimethylamine	NS	ug/l	<0.556 U	<0.541 U	<0.571 U
n-Nitrosodi-N-Propylamine	NS	ug/l	<2.78 U	<2.7 U	<2.86 U
n-Nitrosodiphenylamine	50	ug/l	<2.78 U	<2.7 U	<2.86 U
Pentachlorophenol	1	ug/l	<0.278 U	<0.27 U	<0.286 U
Phenanthrene	50	ug/l	0.267	0.0865	0.137
Phenol	1	ug/l	<2.78 U	<2.7 U	<2.86 U
Pyrene	50	ug/l	0.0556	0.541	0.0914

Table 3
Phase II Environmental Site Investigation
Groundwater Sample Analytical Results

111 Washington Street
New York, New York
Langan Project No.: 170695201

Analyte	NYSDEC SGVs	Location	TMW01	TMW02	TMW03
		Sample Name	TMW01_101121	TMW02_101121	TMW03_101121
		Sample Date	10/11/2021	10/11/2021	10/11/2021
		Unit	Result	Result	Result
Pesticides					
4,4'-DDD	0.3	ug/l	<0.00471 U	<0.00444 U	<0.004 U
4,4'-DDE	0.2	ug/l	<0.00471 U	<0.00444 U	<0.004 U
4,4'-DDT	0.2	ug/l	<0.00471 U	<0.00444 U	<0.004 U
Aldrin	0	ug/l	<0.00471 U	<0.00444 U	<0.004 U
Alpha BHC (Alpha Hexachlorocyclohexane)	0.01	ug/l	<0.00471 U	<0.00444 U	<0.004 U
Alpha Chlordane	NS	ug/l	<0.00471 U	<0.00444 U	<0.004 U
Alpha Endosulfan	NS	ug/l	<0.00471 U	<0.00444 U	<0.004 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.04	ug/l	<0.00471 U	<0.00444 U	<0.004 U
Beta Endosulfan	NS	ug/l	<0.00471 U	<0.00444 U	<0.004 U
Chlordane (alpha and gamma)	0.05	ug/l	<0.0235 U	<0.0222 U	<0.02 U
Delta Bhc (Delta Hexachlorocyclohexane)	0.04	ug/l	<0.00471 U	<0.00444 U	<0.004 U
Dieldrin	0.004	ug/l	<0.00235 U	<0.00222 U	<0.002 U
Endosulfan Sulfate	NS	ug/l	<0.00471 U	<0.00444 U	<0.004 U
Endrin	0	ug/l	<0.00471 U	<0.00444 U	<0.004 U
Endrin Aldehyde	5	ug/l	<0.0118 U	<0.0111 U	<0.01 U
Endrin Ketone	5	ug/l	<0.0118 U	<0.0111 U	<0.01 U
Gamma Bhc (Lindane)	0.05	ug/l	<0.00471 U	<0.00444 U	<0.004 U
Gamma-Chlordane	NS	ug/l	<0.0118 U	<0.0111 U	<0.01 U
Heptachlor	0.04	ug/l	<0.00471 U	<0.00444 U	<0.004 U
Heptachlor Epoxide	0.03	ug/l	<0.00471 U	<0.00444 U	<0.004 U
Methoxychlor	35	ug/l	<0.00471 U	<0.00444 U	<0.004 U
Toxaphene	0.06	ug/l	<0.118 U	<0.111 U	<0.1 U
Polychlorinated Biphenyls					
PCB-1016 (Aroclor 1016)	NS	ug/l	<0.0588 U	<0.0556 U	<0.05 U
PCB-1221 (Aroclor 1221)	NS	ug/l	<0.0588 U	<0.0556 U	<0.05 U
PCB-1232 (Aroclor 1232)	NS	ug/l	<0.0588 U	<0.0556 U	<0.05 U
PCB-1242 (Aroclor 1242)	NS	ug/l	<0.0588 U	<0.0556 U	<0.05 U
PCB-1248 (Aroclor 1248)	NS	ug/l	<0.0588 U	<0.0556 U	<0.05 U
PCB-1254 (Aroclor 1254)	NS	ug/l	<0.0588 U	<0.0556 U	<0.05 U
PCB-1260 (Aroclor 1260)	NS	ug/l	<0.0588 U	<0.0556 U	<0.05 U
Total PCBs	0.09	ug/l	<0.0588 U	<0.0556 U	<0.05 U
Metals - Dissolved					
Aluminum	NS	ug/l	78.5	137	78.9
Antimony	3	ug/l	<1.11 U	<1.11 U	1.24
Arsenic	25	ug/l	<1.11 U	1.89	1.61
Barium	1000	ug/l	60.5	81	82
Beryllium	3	ug/l	<0.333 U	<0.333 U	<0.333 U
Cadmium	5	ug/l	<0.556 U	<0.556 U	<0.556 U
Calcium	NS	ug/l	108,000	121,000	61,500
Chromium, Total	50	ug/l	<5.56 U	<5.56 U	<5.56 U
Cobalt	NS	ug/l	<4.44 U	<4.44 U	<4.44 U
Copper	200	ug/l	<22.2 U	<22.2 U	<22.2 U
Iron	300	ug/l	735	<278 U	<278 U
Lead	25	ug/l	<5.56 U	<5.56 U	<5.56 U
Magnesium	35000	ug/l	23,500	26,600	32,300
Manganese	300	ug/l	1,810	953	1,140
Mercury	0.7	ug/l	<0.2 U	<0.2 U	<0.2 U
Nickel	100	ug/l	<11.1 U	<11.1 U	<11.1 U
Potassium	NS	ug/l	19,200	26,300	16,800
Selenium	10	ug/l	<1.11 U	<1.11 U	2.31
Silver	50	ug/l	<5.56 U	<5.56 U	<5.56 U
Sodium	20000	ug/l	51,800	29,400	183,000
Thallium	0.5	ug/l	<1.11 U	<1.11 U	<1.11 U
Vanadium	NS	ug/l	<11.1 U	<11.1 U	<11.1 U
Zinc	2000	ug/l	<27.8 U	<27.8 U	<27.8 U
Metals - Total					
Aluminum	NS	ug/l	354	<55.6 U	<55.6 U
Antimony	3	ug/l	<1.11 U	<1.11 U	<1.11 U
Arsenic	25	ug/l	<1.11 U	1.73	1.55
Barium	1000	ug/l	99.1	88.2	84.4
Beryllium	3	ug/l	<0.333 U	<0.333 U	<0.333 U
Cadmium	5	ug/l	<0.556 U	<0.556 U	<0.556 U
Calcium	NS	ug/l	101,000 B	101,000 B	58,800 B
Chromium, Hexavalent	50	ug/l	<10 U	<10 U	<10 U
Chromium, Total	50	ug/l	<5.56 U	<5.56 U	<5.56 U
Chromium, Trivalent	NS	ug/l	<10 U	<10 U	<10 U
Cobalt	NS	ug/l	<4.44 U	<4.44 U	<4.44 U
Copper	200	ug/l	<22.2 U	<22.2 U	<22.2 U
Iron	300	ug/l	3,610	2,530	<278 U
Lead	25	ug/l	<5.56 U	<5.56 U	<5.56 U
Magnesium	35000	ug/l	24,100	24,000	29,300
Manganese	300	ug/l	1,770	1,700	1,200
Mercury	0.7	ug/l	<0.2 U	<0.2 U	<0.2 U
Nickel	100	ug/l	<11.1 U	<11.1 U	<11.1 U
Potassium	NS	ug/l	17,900	17,800	15,800
Selenium	10	ug/l	<1.11 U	<1.11 U	3.16
Silver	50	ug/l	<5.56 U	<5.56 U	<5.56 U
Sodium	20000	ug/l	49,600	48,300	176,000
Thallium	0.5	ug/l	<1.11 U	<1.11 U	<1.11 U
Vanadium	NS	ug/l	<11.1 U	<11.1 U	<11.1 U
Zinc	2000	ug/l	<27.8 U	<27.8 U	29.6

111 Washington Street
New York, New York
Langan Project No.: 170695201

Notes:

CAS - Chemical Abstract Service

NS - No standard

ug/l - microgram per liter

NA - Not analyzed

RL - Reporting limit

<RL - Not detected

Groundwater sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 703.5 and the NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values for Class GA Water (herein collectively referenced as "NYSDEC SGVs").

Qualifiers:

J - The analyte was detected above the method detection limit (MDL), but below the reporting limit (RL); therefore, the result is an estimated concentration.

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

B - The analyte was found in the associated analysis batch blank.

Exceedance Summary:

10 - Result exceeds NYSDEC SGVs

Table 4
Phase II Environmental Site Investigation
Soil Vapor Analytical Results

111 Washington Street
New York, New York
Langan Project No.: 170695201

Analyte	NYSDOH Decision Matrices Minimum Concentrations	Location	AA01	SV01	SV02	SV03
		Sample Name	AA01_100921	SV01_100921	SV02_100921	SV03_100921
		Sample Date	10/9/2021	10/9/2021	10/9/2021	10/9/2021
		Sample Type	AA	SV	SV	SV
		Unit	Result	Result	Result	Result
Volatile Organic Compounds						
1,1,1,2-Tetrachloroethane	NS	ug/m3	<1 U	<5.4 U	<1.9 U	<1.1 U
1,1,1-Trichloroethane	100	ug/m3	<0.82 U	<4.3 U	<1.5 U	1.8 D
1,1,2,2-Tetrachloroethane	NS	ug/m3	<1 U	<5.4 U	<1.9 U	<1.1 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NS	ug/m3	<1.2 U	<6 U	<2.1 U	<1.3 U
1,1,2-Trichloroethane	NS	ug/m3	<0.82 U	<4.3 U	<1.5 U	<0.91 U
1,1-Dichloroethane	NS	ug/m3	<0.61 U	<3.2 U	<1.1 U	<0.67 U
1,1-Dichloroethene	6	ug/m3	<0.15 U	<0.78 U	<0.28 U	<0.17 U
1,2,4-Trichlorobenzene	NS	ug/m3	<1.1 U	<5.8 U	<2.1 U	<1.2 U
1,2,4-Trimethylbenzene	NS	ug/m3	<0.74 U	27 D	16 D	23 D
1,2-Dibromoethane (Ethylene Dibromide)	NS	ug/m3	<1.2 U	<6 U	<2.1 U	<1.3 U
1,2-Dichlorobenzene	NS	ug/m3	<0.91 U	<4.7 U	<1.7 U	<1 U
1,2-Dichloroethane	NS	ug/m3	<0.61 U	<3.2 U	<1.1 U	<0.67 U
1,2-Dichloropropane	NS	ug/m3	<0.7 U	<3.6 U	<1.3 U	<0.77 U
1,2-Dichlorotetrafluoroethane	NS	ug/m3	<1.1 U	<5.5 U	<2 U	<1.2 U
1,3,5-Trimethylbenzene (Mesitylene)	NS	ug/m3	<0.74 U	8.5 D	4.7 D	6.8 D
1,3-Butadiene	NS	ug/m3	<1 U	<5.2 U	17 D	<1 U
1,3-Dichlorobenzene	NS	ug/m3	<0.91 U	<4.7 U	<1.7 U	<1 U
1,3-Dichloropropane	NS	ug/m3	<0.7 U	<3.6 U	<1.3 U	<0.77 U
1,4-Dichlorobenzene	NS	ug/m3	<0.91 U	<4.7 U	<1.7 U	<1 U
1,4-Dioxane (P-Dioxane)	NS	ug/m3	<1.1 U	<5.7 U	<2 U	<1.2 U
2-Hexanone (MBK)	NS	ug/m3	<1.2 U	<6.4 U	<2.3 U	<1.4 U
4-Ethyltoluene	NS	ug/m3	<0.74 U	27 D	15 D	21 D
Acetone	NS	ug/m3	5.6 D	120 D	47 D	36 D
Acrylonitrile	NS	ug/m3	<0.33 U	<1.7 U	<0.61 U	<0.36 U
Allyl Chloride (3-Chloropropene)	NS	ug/m3	<2.4 U	<12 U	<4.4 U	<2.6 U
Benzene	NS	ug/m3	<0.48 U	13 D	7.7 D	2.9 D
Benzyl Chloride	NS	ug/m3	<0.78 U	<4.1 U	<1.4 U	<0.86 U
Bromodichloromethane	NS	ug/m3	<1 U	<5.3 U	<1.9 U	<1.1 U
Bromoethene	NS	ug/m3	<0.66 U	<3.4 U	<1.2 U	<0.73 U
Bromoform	NS	ug/m3	<1.6 U	<8.1 U	<2.9 U	<1.7 U
Bromomethane	NS	ug/m3	<0.59 U	<3.1 U	<1.1 U	<0.65 U
Carbon Disulfide	NS	ug/m3	<0.47 U	23 D	13 D	1 D
Carbon Tetrachloride	6	ug/m3	0.38 D	<1.2 U	<0.44 U	<0.26 U
Chlorobenzene	NS	ug/m3	<0.7 U	<3.6 U	<1.3 U	<0.77 U
Chloroethane	NS	ug/m3	<0.4 U	<2.1 U	<0.74 U	<0.44 U
Chloroform	NS	ug/m3	<0.74 U	4.6 D	1.4 D	18 D
Chloromethane	NS	ug/m3	1.3 D	<1.6 U	<0.58 U	<0.34 U
Cis-1,2-Dichloroethene	6	ug/m3	<0.15 U	<0.78 U	<0.28 U	<0.17 U
Cis-1,3-Dichloropropene	NS	ug/m3	<0.69 U	<3.6 U	<1.3 U	<0.76 U
Cyclohexane	NS	ug/m3	<0.52 U	140 D	9 D	1.9 D
Dibromochloromethane	NS	ug/m3	<1.3 U	<6.7 U	<2.4 U	<1.4 U
Dichlorodifluoromethane	NS	ug/m3	2.1 D	<3.9 U	2.1 D	2.1 D
Ethyl Acetate	NS	ug/m3	<1.1 U	<5.7 U	<2 U	<1.2 U
Ethylbenzene	NS	ug/m3	<0.66 U	23 D	8.5 D	11 D
Hexachlorobutadiene	NS	ug/m3	<1.6 U	<8.4 U	<3 U	<1.8 U
Isopropanol	NS	ug/m3	3.9 D	21 D	6.5 D	2.9 D
M,P-Xylene	NS	ug/m3	<1.3 U	72 D	31 D	40 D
Methyl Ethyl Ketone (2-Butanone)	NS	ug/m3	0.62 D	45 D	12 D	10 D
Methyl Isobutyl Ketone (4-Methyl-2-Pentanol)	NS	ug/m3	<0.62 U	<3.2 U	3.4 D	<0.68 U
Methyl Methacrylate	NS	ug/m3	1.7 D	<3.2 U	<1.1 U	<0.68 U
Methylene Chloride	100	ug/m3	5.5 D	<5.5 U	40 D	<1.2 U
n-Heptane	NS	ug/m3	<0.62 U	<3.2 U	20 D	4.4 D
n-Hexane	NS	ug/m3	<0.53 U	200 D	28 D	4.8 D
o-Xylene (1,2-Dimethylbenzene)	NS	ug/m3	<0.66 U	25 D	12 D	15 D
Propylene	NS	ug/m3	<0.26 U	78 D	130 D	<0.29 U
Styrene	NS	ug/m3	<0.64 U	<3.3 U	1.4 D	1.7 D
Tert-Butyl Methyl Ether	NS	ug/m3	<0.54 U	<2.8 U	<1 U	<0.6 U
Tetrachloroethene (PCE)	100	ug/m3	<1 U	<5.3 U	6.1 D	26 D
Tetrahydrofuran	NS	ug/m3	<0.89 U	32 D	15 D	22 D
Toluene	NS	ug/m3	1.1 D	52 D	31 D	35 D
Trans-1,2-Dichloroethene	NS	ug/m3	<0.6 U	<3.1 U	<1.1 U	<0.66 U
Trans-1,3-Dichloropropene	NS	ug/m3	<0.69 U	<3.6 U	<1.3 U	<0.76 U
Trichloroethene (TCE)	6	ug/m3	<0.2 U	<1.1 U	<0.38 U	<0.22 U
Trichlorofluoromethane	NS	ug/m3	1.1 D	<4.4 U	<1.6 U	1.3 D
Vinyl Acetate	NS	ug/m3	<0.53 U	<2.8 U	<0.98 U	<0.59 U
Vinyl Chloride	6	ug/m3	<0.19 U	<1 U	<0.36 U	<0.21 U
Total VOCs	NS	ug/m3	23.3	791.22	477.8	288.6

111 Washington Street
New York, New York
Langan Project No.: 170695201

Notes:

AA - Ambient Air
SV - Soil Vapor
CAS - Chemical Abstract Service
NS - No standard
ug/m3 - microgram per cubic meter
NA - Not analyzed
RL - Reporting limit
<RL - Not detected

Soil vapor sample analytical results are compared to the minimum soil vapor concentrations at which mitigation is recommended as set forth in the New York State Department of Health (NYSDOH) October 2006 Guidance for Evaluating Soil Vapor Intrusion in the State of New York Decision Matrices for Sub-Slab Vapor and Indoor Air and subsequent updates (2017).

Ambient air sample analytical results are shown for reference only.

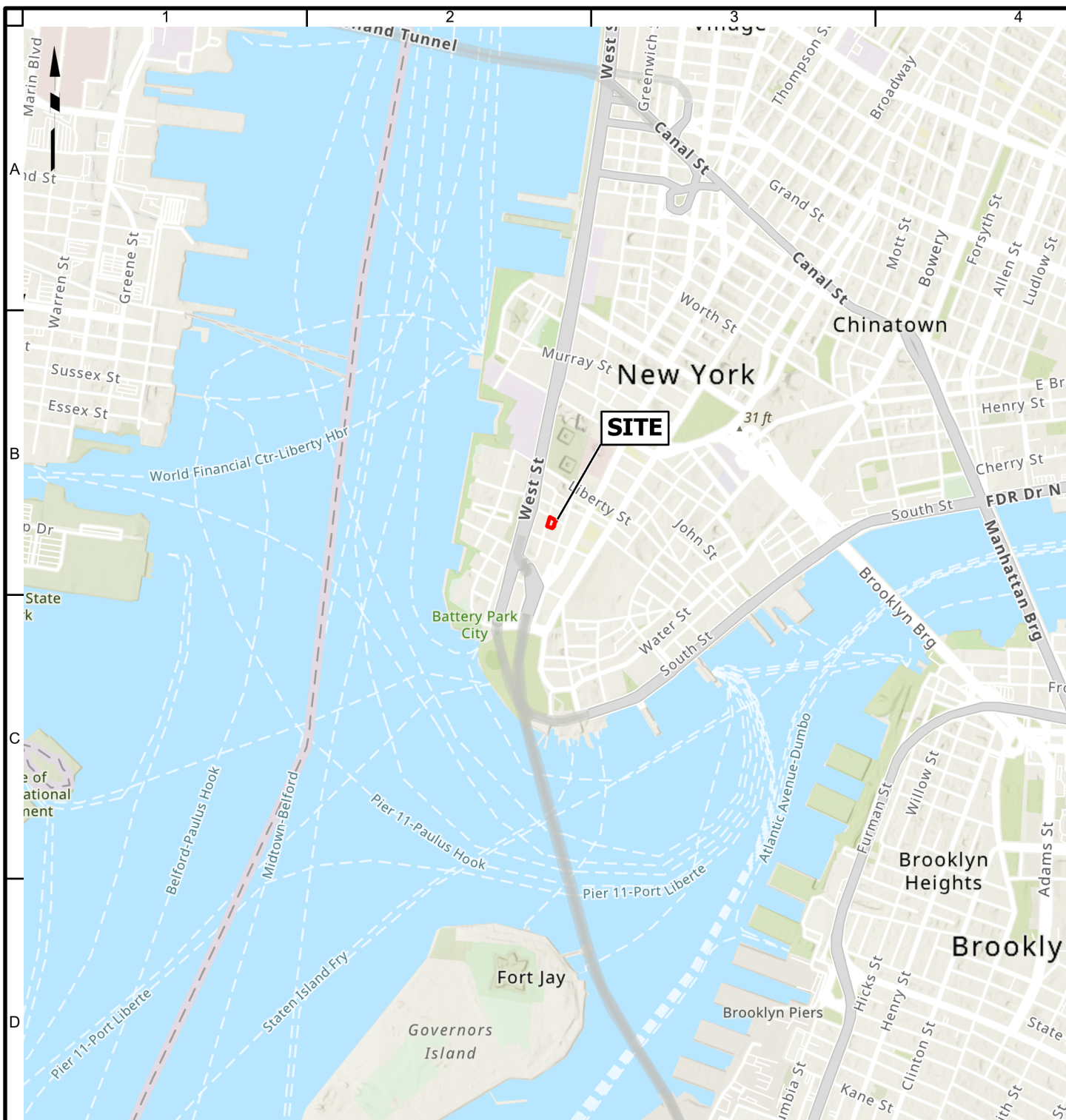
Qualifiers:

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

Exceedance Summary:

10 - Result exceeds minimum soil vapor concentrations recommending mitigation

FIGURES



Legend

Site Boundary



NOTES:

1. TOPOGRAPHIC BASEMAP PROVIDED THROUGH LANGAN'S ESRI ARCGIS SOFTWARE LICENSING AND ARCGIS ONLINE, NATIONAL GEOGRAPHIC SOCIETY, I-CUBED.
2. ALL FEATURES SHOWN ARE APPROXIMATE

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Langan Engineering, Environmental, Surveying,
Landscape Architecture and Geology, D.P.C.
Langan International LLC

Collectively known as Langan

Project

**111 WASHINGTON
STREET**
NEW YORK

NEW YORK COUNTY NEW YORK

Figure Title

**SITE
LOCATION MAP**

Project No.

170695201

Date

11/4/2021

Scale

1"=2,000'

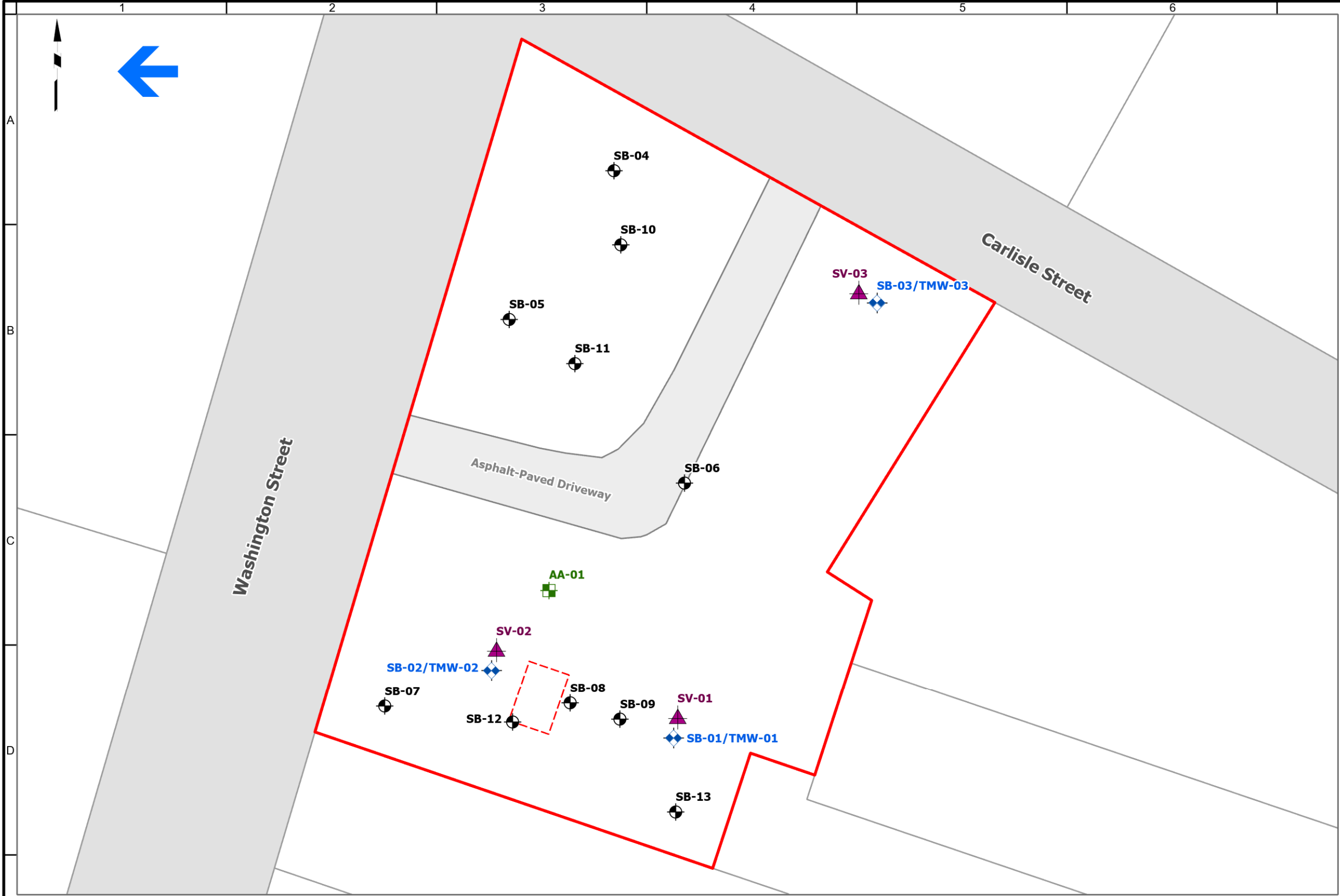
Drawn By

GS

Submission Date

Figure No.

1



NOTES:
1. TAX PARCEL DATA PROVIDED BY THE NEW YORK CITY DEPARTMENT OF CITY PLANNING
2. ALL FEATURES SHOWN ARE APPROXIMATE.
3. UST - UNDERGROUND STORAGE TANK.

Legend

Ambient Air Sampling Location

Soil Boring Location

Soil Boring and Temporary Monitoring Well Location

Soil Vapor Sample Location

Approximate UST Location

Site Boundary

Tax Lot Boundary

Inferred Groundwater Flow



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Project

111 WASHINGTON STREET
NEW YORK

NEW YORK COUNTYNEW YORK

Figure Title

SAMPLE LOCATION PLAN

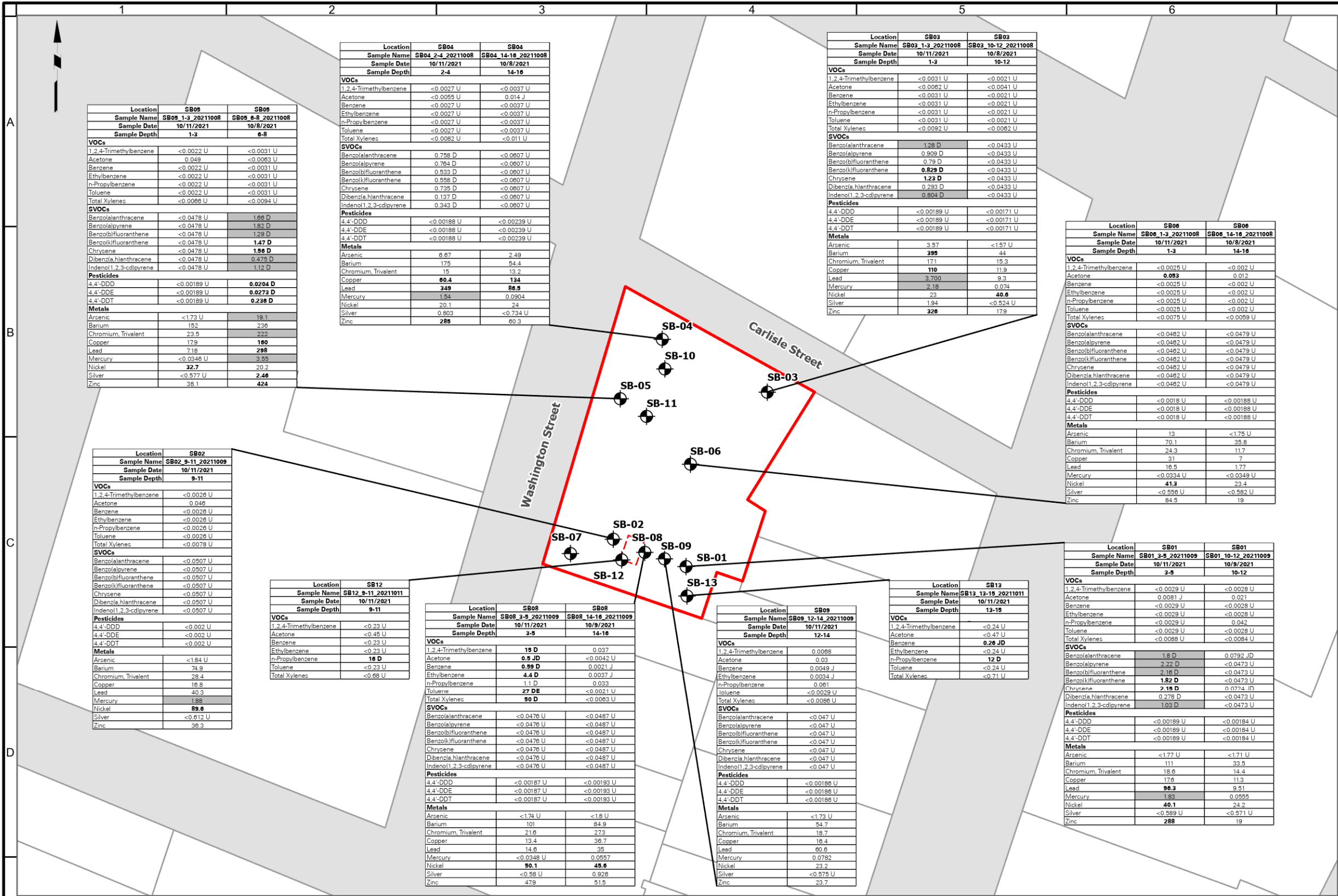
Project No.
170695201

Date
11/9/2021

Scale
1"=20'

Drawn By
GS

Figure No.
2



Analyte	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Restricted Use Restricted- Residential SCOs
VOCs		
1,2,4-Trimethylbenzene	3.6	52
Acetone	0.05	100
Benzene	0.06	4.8
Ethylbenzene	1	41
n-Propylbenzene	3.9	100
Toluene	0.7	100
Total Xylenes	0.26	100
SVOCs		
Benzo(a)anthracene	1	1
Benzo(a)pyrene	1	1
Benzo(b)fluoranthene	1	1
Benzo(k)fluoranthene	0.8	3.9
Chrysene	1	3.9
Dibenz(a,h)anthracene	0.33	0.33
Indeno(1,2,3-cd)pyrene	0.5	0.5
Pesticides		
4,4'-DDD	0.0033	13
4,4'-DDE	0.0033	8.9
4,4'-DDT	0.0033	7.9
Metals		
Arsenic	13	16
Barium	350	400
Chromium, Trivalent	30	180
Copper	50	270
Lead	63	400
Mercury	0.18	0.81
Nickel	30	310
Silver	2	180
Zinc	109	10000

NOTES

- TAX PARCEL DATA PROVIDED BY THE NEW YORK CITY DEPARTMENT OF CITY PLANNING
- ALL SAMPLE LOCATIONS SHOWN ARE APPROXIMATE.
- ALL CONCENTRATIONS SHOWN ARE IN MILLIGRAMS PER KILOGRAM (mg/kg).
- SOIL SAMPLE ANALYTICAL RESULTS ARE COMPARED TO THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYSDEC) TITLE 6 OF THE OFFICIAL COMPILATION OF NEW YORK CODES, RULES, AND REGULATIONS (NYCRR) PART 375 UNRESTRICTED USE (UU) AND RESTRICTED USE RESTRICTED - RESIDENTIAL (RURR) SOIL CLEANUP OBJECTIVES (SCOs).
- SAMPLES WERE NOT COLLECTED FROM SOIL BORINGS SB10 AND SB11 BECAUSE THE BORINGS WERE ADVANCED TO INVESTIGATE POTENTIAL PHYSICAL EVIDENCE OF PETROLEUM ONLY AND EVIDENCE OF PETROLEUM- OR CHEMICAL-LIKE CONTAMINATION WAS NOT OBSERVED.
- VOC - VOLATILE ORGANIC COMPOUND
- SVOC - SEMIVOLATILE ORGANIC COMPOUND
- BORING LOCATIONS WITH NO ANALYTICAL RESULTS SHOWN DID NOT HAVE ANALYTES EXCEEDING THE UU OR RURR SCOs.
- UST - UNDERGROUND STORAGE TANK.

QUALIFIERS:
D = THE CONCENTRATION REPORTED IS A RESULT OF A DILUTED SAMPLE.
E = THE RESULT IS ESTIMATED AND CANNOT BE ACCURATELY REPORTED DUE TO LEVELS ENCOUNTERED OR INTERFERENCES.
J = THE ANALYTE WAS DETECTED ABOVE THE METHOD DETECTION LIMIT (MDL), BUT BELOW THE REPORTING LIMIT (RL); THEREFORE, THE RESULT IS AN ESTIMATED CONCENTRATION.
U = THE ANALYTE WAS ANALYZED FOR, BUT WAS NOT DETECTED AT A LEVEL GREATER THAN OR EQUAL TO THE RL; THE VALUE SHOWN IN THE TABLE IS THE RL.

Legend

- Soil Boring Location
- Approximate UST Location
- Site Boundary
- Tax Lot Boundary

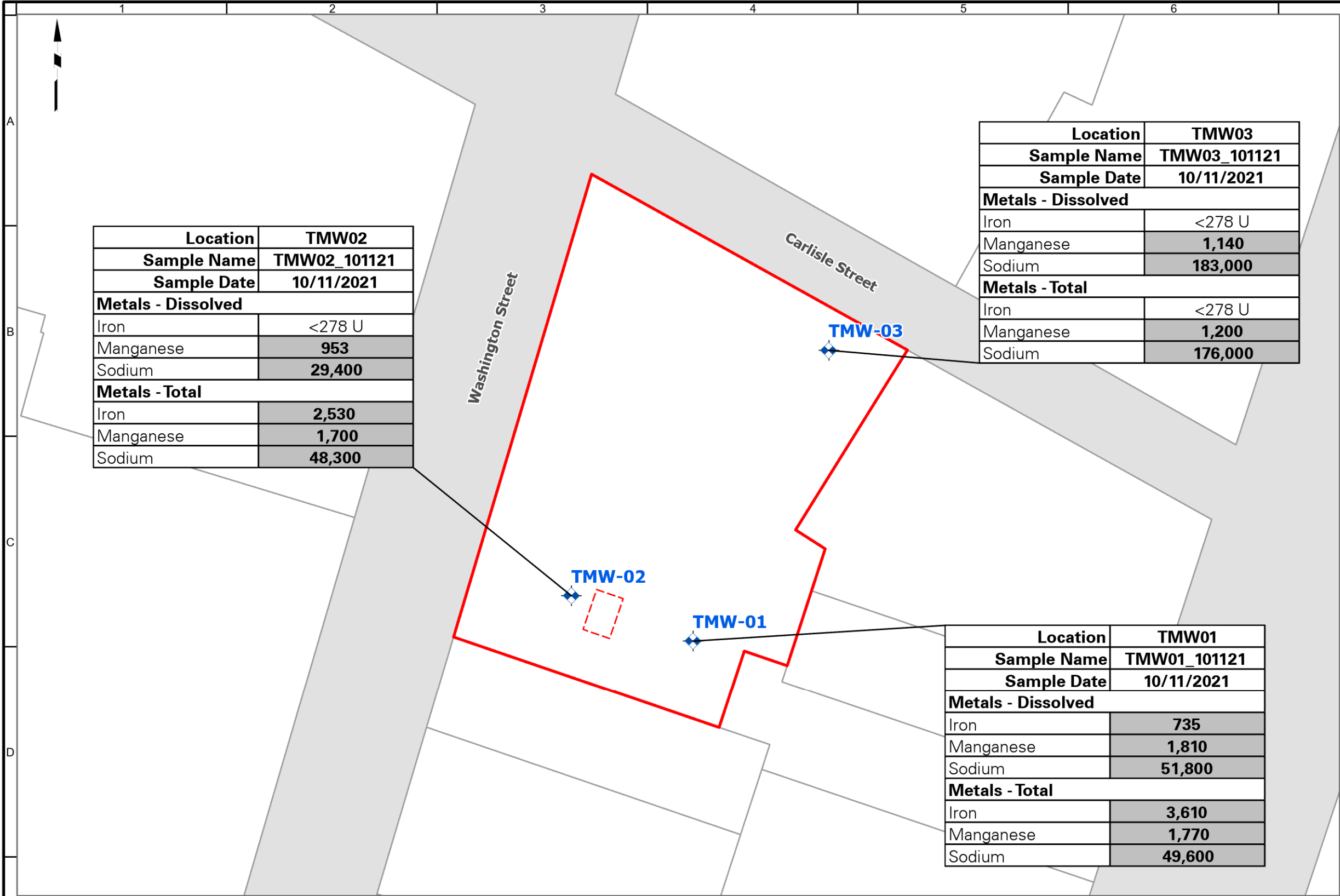


LANGAN
Langan Engineering, Environmental, Surveying,
Landscape Architecture and Geology, D.P.C.
21 Penn Plaza, 360 West 31st Street, 8th Floor
New York, NY 10001
T: 212.479.5400 F: 212.479.5444 www.langan.com

Project
**111 WASHINGTON
STREET**
NEW YORK
NEW YORK COUNTY NEW YORK

Figure Title
**SOIL SAMPLE
ANALYTICAL
RESULTS MAP**

Project No. 170695201	Figure No. 3
Date 11/9/2021	
Scale 1"=50'	
Drawn By GS	



Analyte	NYSDEC SGVs
Metals - Dissolved	
Iron	300
Manganese	300
Sodium	20000
Metals - Total	
Iron	300
Manganese	300
Sodium	20000

NOTES
1. TAX PARCEL DATA PROVIDED BY THE NEW YORK CITY DEPARTMENT OF CITY PLANNING
2. ALL SAMPLE LOCATIONS SHOWN ARE APPROXIMATE.
3. ALL CONCENTRATIONS SHOWN IN MICROGRAMS PER LITER (µg/L).
4. GROUNDWATER SAMPLE ANALYTICAL RESULTS ARE COMPARED TO THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYSDEC) TITLE 6 OF THE OFFICIAL COMPILATION OF NEW YORK CODES, RULES, AND REGULATIONS (NYCRR) PART 703.5 AND THE NYSDEC TECHNICAL AND OPERATIONAL GUIDANCE SERIES (TOGS) 1.1.1 AMBIENT WATER QUALITY STANDARDS AND GUIDANCE VALUES FOR CLASS GA WATER (HEREIN COLLECTIVELY REFERENCED AS "NYSDEC SGVS").
5. UST - UNDERGROUND STORAGE TANK.

QUALIFIERS:
U = THE ANALYTE WAS ANALYZED FOR, BUT WAS NOT DETECTED AT A LEVEL GREATER THAN OR EQUAL TO THE RL; THE VALUE SHOWN IN THE TABLE IS THE RL.

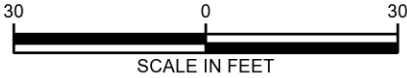
Legend

Soil Boring and Temporary Monitoring Well Location

Site Boundary

Approximate UST Location

Tax Lot Boundary



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Project

111 WASHINGTON STREET
NEW YORK

NEW YORK COUNTY NEW YORK

Figure Title

GROUNDWATER
SAMPLE ANALYTICAL
RESULTS MAP

Project No.
170695201

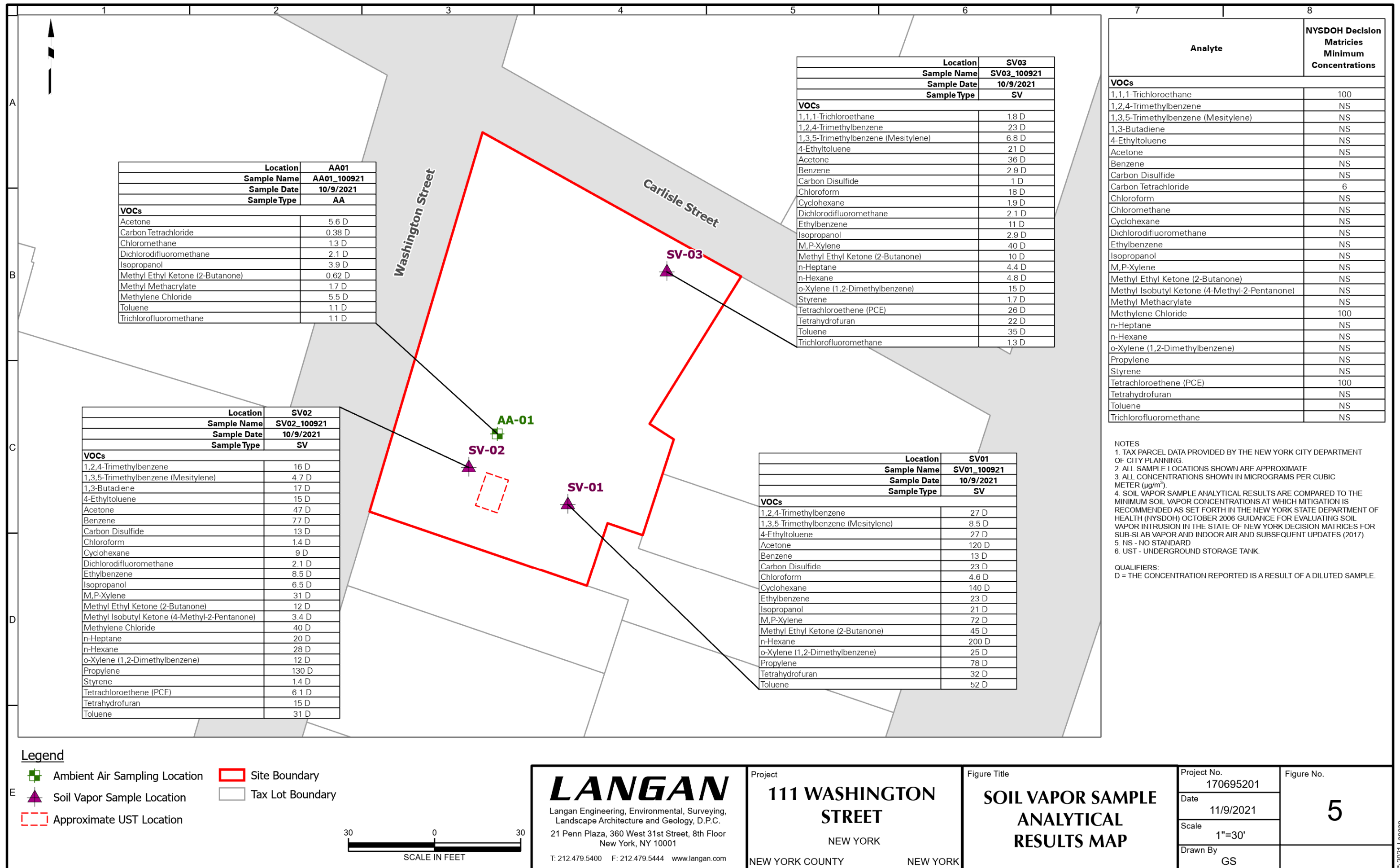
Date
11/9/2021

Scale
1"=30'

Drawn By
GS

Figure No.

4



APPENDIX A
GEOPHYSICAL SURVEY REPORT

GEOPHYSICAL ENGINEERING SURVEY REPORT

Commercial Vacant Property
111 Washington Street,
New York, New York 10006

NOVA PROJECT NUMBER:
21-2407

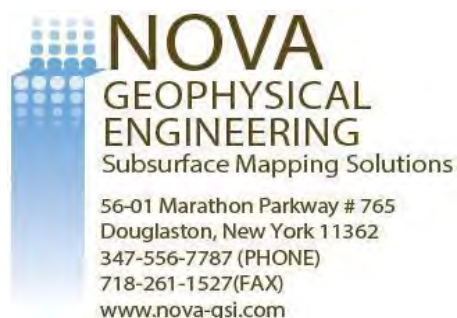
DATED:
October 11, 2021

PREPARED FOR:

LANGAN

21 Penn Plaza
360 West 31st Street, 8th Floor
Brooklyn, New York 11217-2727

PREPARED BY:



NOVA GEOPHYSICAL SERVICES

SUBSURFACE MAPPING SOLUTIONS

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

October 11, 2021

Woo Kim
Project Manager

LANGAN

21 Penn Plaza
360 West 31st Street, 8th Floor
Bronx, New York 10472-2727
Direct: 212.479.5499 x5733
Mobile: 267.399.6336
E: wkim@langan.com

Re: Geophysical Engineering Survey (GES) Report
Commercial Vacant Property
111 Washington Street
New York, New York 10006
Langan Project# 170695201

Dear Mr. Kim;

Nova Geophysical Services (NOVA) is pleased to provide the findings of the geophysical engineering survey (GES) at the above referenced project site: 111 Washington Street, New York, New York (the "Site").

INTRODUCTION TO GEOPHYSICAL ENGINEERING SURVEY (GES)

NOVA performed a geophysical engineering survey (GES) consisting of a Ground Penetrating Radar (GPR) and Electromagnetic (EM) survey at the site. The purpose of this survey is to locate and identify utilities, underground storage tanks (USTs) and other substructures that maybe located within the vicinity of proposed boring locations on October 8th, 2021.

The equipment selected for this investigation was a Sensors and Software Noggin 250 MHz ground penetrating radar (GPR) with a shielded antenna, a Maggie Electro-magnetometer and a RadioDetection RD7100 Electromagnetic utility locator.

A GPR system consists of a radar control unit, control cable, and transducer (antenna). The control unit transmits a trigger pulse at a normal repetition rate of 250 MHz. The trigger pulse is sent to the transmitter electronics in the transducer via the control cable. The transmitter electronics amplify the trigger pulse into bipolar pulses that are radiated to the surface. The transformed pulses vary in shape and frequency

according to the transducer used. In the subsurface, variations of the signal occur at boundaries where there is a dielectric contrast (void, steel, soil type, etc.). Signal reflections travel back to the control unit and are represented as color graphic images for interpolation.

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

GEOPHYSICAL METHODS

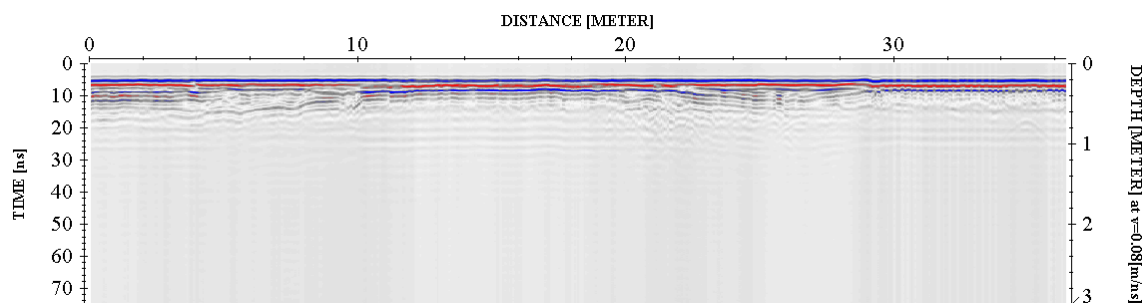
The project site was screened using GPR to search the specified area and inspected for reflections, which could be indicative of substructures and utilities within the subsurface. An EM utility locator was used to help determine the locations of utilities within the survey area.

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

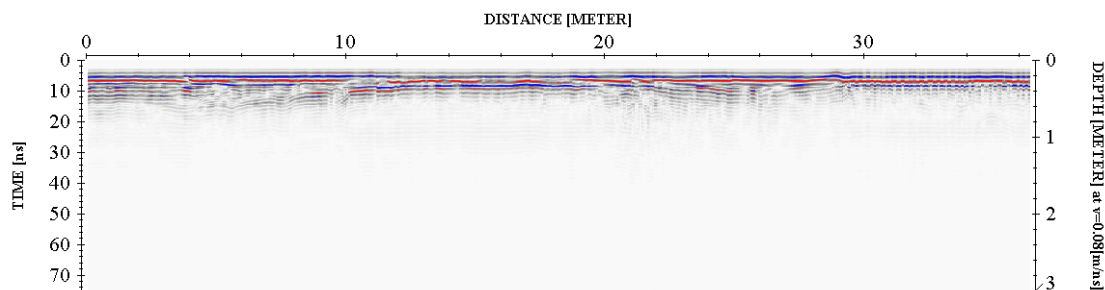
DATA PROCESSING

To improve the quality of the results and to better identify anomalies NOVA processed the collected data. The processing workflow is briefly described in this section.

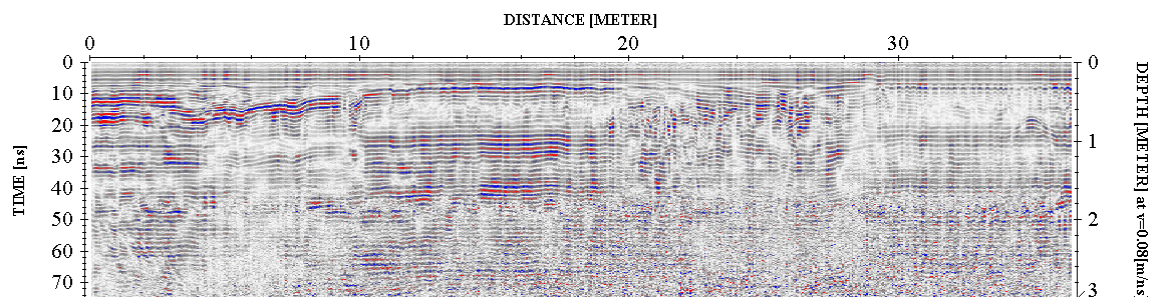
Step 1. Import Raw RAMAC data to standard processing format



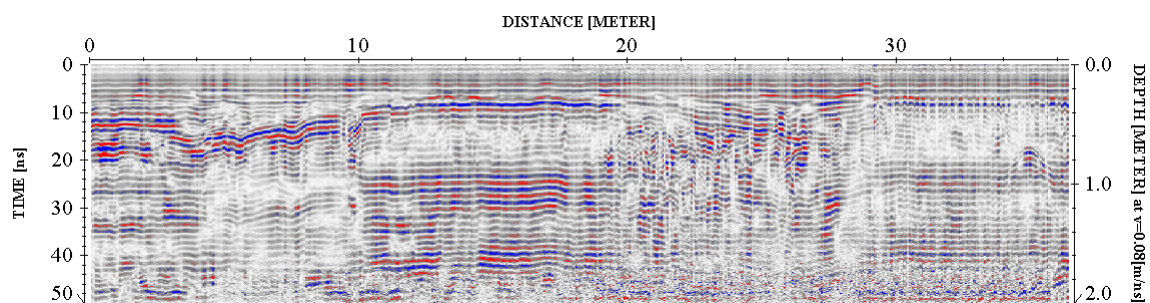
Step 2. Remove instrument noise (*dewow*)



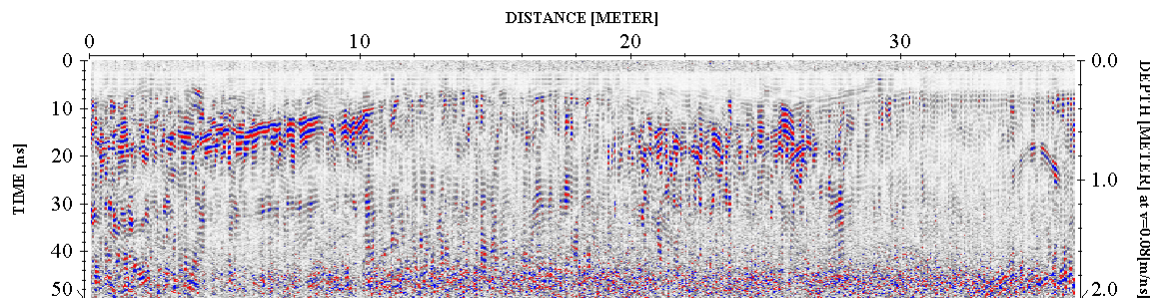
Step 3. Correct for attenuation losses (*energy decay function*)



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



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



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

PHYSICAL SETTINGS

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

Weather: Overcast

Temperature: 77° F

Surface: Overgrown Vegetation, Gravel, some Asphalt and Concrete

Survey Parameters: A GPR grid scan was conducted within the survey areas as shown on the survey plan. The approximate line spacing of the grid survey was approximately 4'. Additional GPR data was collected over features of interest. An EM utility locator was used in conjunction with GPR throughout the survey area.

Limitations: The geophysical noise level (GNL) at the site was high due to excessive overgrown vegetation with limited GPR access and being in an urban environment. Several dumped materials including metal plates, metal frames, etc across portions of the site also contributed to the high GNL.

RESULTS

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

- Anomalies resembling potential subsurface utilities (such as water, sewer, gas, telecom and electric) were identified within the surveyed areas. The approximate locations are shown in the survey plan.
- The GES identified scattered anomalies identified with a magnetometer located throughout of the site. Based on their reflection rate and proximity, these anomalies were covered surficial (dumped) metal containing materials.
- The GES additionally identified a geophysical anomaly consistent with concrete structure located at the site. However, due to excessive geophysical noise and limited GPR access, NOVA could not verify the nature of this anomaly.
- No other large geophysical anomalies resembling an underground storage tank (UST) were identified during the GES.
- All cleared boring locations are shown in the survey plan.

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

Sincerely,

NOVA Geophysical Services



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

Project Engineer

Attachments:

Location Map

Survey Plan

Geophysical Images



FIGURE 1
SITE LOCATION MAP

NOVA
Geophysical Services

Subsurface Mapping Solutions

56-01 Marathon Pkwy, # 765, Douglaston, NY11362
(347) 556-7787 Fax (718) 261-1528

www.novaqsi.com

SITE: Commercial Property
111 Washington Street
New York, New York

SCALE: See Map



NOVA Geophysical Services

Subsurface Mapping Solutions
56-01 Marathon Parkway, PO Box 765
Douglaston, New York 11362
Phone (347) 556-7787 * Fax (718) 261-1527
www.novagsi.com

GEOPHYSICAL SURVEY PLAN

SITE : Commercial Property
111 Washington Street
New York, New York

CLIENT: **LANGAN**
DATE: October 8, 2021
Scale: See Map

INFORMATION

- Survey Area
- Anomaly (Possible Concrete)
- Scattered Anomaly
- Utility Structure
- Shed
- Proposed Boring Areas



15 Ft.

All anomalies were marked in the field.

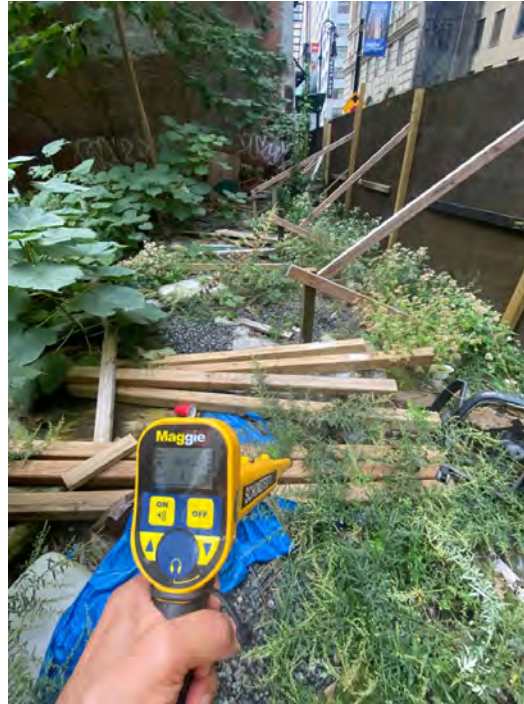
GEOPHYSICAL IMAGES

Commercial Property

111 Washington Street

New York, New York

October 8th, 2021



GEOPHYSICAL IMAGES

Commercial Property

111 Washington Street

New York, New York

October 8th, 2021



GEOPHYSICAL IMAGES

Commercial Property

111 Washington Street

New York, New York

October 8th, 2021



GEOPHYSICAL IMAGES

Commercial Property

111 Washington Street

New York, New York

October 8th, 2021



GEOPHYSICAL IMAGES

Commercial Property

111 Washington Street

New York, New York

October 8th, 2021



APPENDIX B

SOIL BORING LOGS

Project						Project No.							
Location						Elevation and Datum							
Drilling Company						Date Started				Date Finished			
Drilling Equipment						Completion Depth				Rock Depth			
Size and Type of Bit						Number of Samples		Disturbed		Undisturbed		Core	
Casing Diameter (in)						Water Level (ft.)		First		Completion		24 HR.	
Casing Hammer													
Sampler						Field Engineer							
Sampler Hammer						Jacob Menken							
Sample Description						Sample Data						Remarks	
MATERIAL SYMBOL						Depth Scale						(Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)	
Elev. (ft)						Number						PID (ppm)	
Type						Recov. (in)							
Penetr. resist BLU/in													
R1a (0-19") Dark gray to light black fine-medium SAND, some fine gravel, trace silt (dry) [FILL]						0						0.1	
R1b (19-27") Light gray fine-medium SAND, some silt, some fine gravel, trace fine red gravel (dry) [FILL]						1						0.0	
R2a (0-10") Dark brown to reddish brown silty fine-medium SAND, some fine gravel, trace fine red gravel, coal (moist) [FILL]						2						0.1	
R2b (10-20") Light gray fine-medium SAND, some fine gravel, some silt (dry) [FILL]						3						0.0	
R2c (20-23") Reddish brown to tannish brown fine-medium SAND (dry) [FILL]						4						0.0	
R3a (0-6") Reddish brown to tannish brown fine-medium SAND (dry) [FILL]						5						0.0	
R3b (6-10") Dark brown silty fine-medium SAND, wood (moist) [FILL]						6						0.2	
R3c (10-25") Light gray to tan fine-medium SAND, wood (moist) [FILL]						7						0.0	
						8						0.2	
						9						0.2	
						10						57.9	
						11						111.0	
						12							

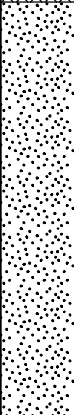
Project			111 Washington Street			Project No.			170695201		
Location			New York, New York			Elevation and Datum			N/A		
MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)		
				Number	Type	Recov. (in)	Penetr. resist. BL/6in	PID (ppm)			
		R4a (0-16") Light gray fine-medium SAND, some silt, some fine gravel, trace fine red gravel, wood (wet) [FILL]	12	R-4	Macrocore	16/48			0.8		
			13								
			14								
			15								
			16								
			17								
			18								
			19								
			20								
			21								
		R5a (0-14") Light gray fine-medium SAND, some silt, some fine gravel (wet) [FILL]	22	R-5	Macrocore	14/48			1.1		
			23								
			24								
			25								
			26								
			27								
			28								
			29								
			30								
			31								
End of boring (EOB) at 20 feet below grade surface (bgs), set 10 feet of 0.010-slotted screen at 20 feet bgs, sampled, backfilled and abandoned with clean soil cuttings, capped at grade with topsoil											

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Project 111 Washington Street				Project No. 170695201			
Location New York, New York				Elevation and Datum N/A			
Drilling Company Lakewood Environmental Services Corp.				Date Started 10/09/2021		Date Finished 10/09/2021	
Drilling Equipment Geoprobe 54LT				Completion Depth 20 ft		Rock Depth NA	
Size and Type of Bit 2in Direct Push				Number of Samples 5		Disturbed NA	
Casing Diameter (in) NA		Casing Depth (ft) NA		Water Level (ft.) First ∇ 8		Undisturbed Completion ∇ 11.6	
Casing Hammer NA		Weight (lbs) NA		Drop (in) NA		24 HR. ∇ 11.6	
Sampler 4-foot stainless steel macrocore sampler				Drilling Foreman Tim Kelly			
Sampler Hammer NA				Field Engineer Jacob Menken			

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (in)	Penetr. resist BLU6in	PID (ppm)	
X		R1a (0-11") Dark brown to black fine-medium SAND, trace silt, glass fragments (dry) [FILL]	0					0.0	Soil sample SB02_0-2
		R1b (11-17") Dark brown to reddish brown fine-medium SAND, trace silt, trace fine gravel (dry) [FILL]	1				0.0		
			2	R-1	Macrocore	17/48		0.0	
			R2a (0-9") Dark brown to reddish brown fine-medium SAND, trace silt, trace fine gravel (dry) [FILL]	4					Soil sample SB02_6-8
		R2b (9-18") Dark brown to reddish brown fine-medium SAND, trace silt, trace fine gravel, trace fine red gravel, coal ash, wood (moist) [FILL]	5						
			6	R-2	Macrocore	18/48		0.0	
			7				0.0		
			8				0.0		
		R3a (0-15") Dark brown to reddish brown fine-medium SAND, trace silt, trace fine gravel, trace fine red gravel, coal ash, wood (moist) [FILL]	8						
		R3b (15-25") Dark brown to light black fine-medium SAND, some silt, trace fine red gravel, wood (moist) [FILL]	9				0.0	Soil sample SB02_9-11	
		R3c (25-31") Dark brown to reddish brown fine-medium SAND, trace silt (wet) [FILL]	10				0.2		
			11	R-3	Macrocore	31/48			0.8
		12				0.0			

Project			Project No.						
111 Washington Street			170695201						
Location			Elevation and Datum						
New York, New York			N/A						
MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (in)	Penetr. resist. BL/6in	PID (ppm)	
		R4a (0-16") Dark brown to reddish brown fine-medium SAND, trace silt (wet) [FILL]	12	R-4	Macrocore	16/48			
			13						
			14						
			15						
			16						
		R5a (0-39") Dark brown to reddish brown fine-medium SAND, trace silt, shell fragments (wet) [SP]	16	R-5	Macrocore	39/48			
			17						
			18						
			19						
			20						
			20						EOB at 20 feet bgs, set 10 feet of 0.010-slotted screen at 20 feet bgs, sampled, backfilled and abandoned with clean soil cuttings, capped at grade with topsoil
			21						
			22						
			23						
			24						
			25						
			26						
			27						

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Project 111 Washington Street				Project No. 170695201			
Location New York, New York				Elevation and Datum N/A			
Drilling Company Lakewood Environmental Services Corp.				Date Started 10/08/2021		Date Finished 10/08/2021	
Drilling Equipment Geoprobe 54LT				Completion Depth 20 ft		Rock Depth NA	
Size and Type of Bit 2in Direct Push				Number of Samples 5		Disturbed NA	
Casing Diameter (in) NA		Casing Depth (ft) NA		Water Level (ft.) First ∇ 8		Undisturbed Completion $\blacktriangledown$ 11.9	
Casing Hammer NA		Weight (lbs) NA		Drop (in) NA		Core NA	
Sampler 4-foot stainless steel macrocore sampler				Drilling Foreman Tim Kelly			
Sampler Hammer NA				Field Engineer Jacob Menken			

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data						Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)	
				Number	Type	Recov. (in)	Penetr. resist	BLU6in	PID (ppm)		
		R1a (0-6") Grayish black fine GRAVEL, some fine sand (dry) [FILL]	0								
		R1b (6-27") Tannish brown to light gray fine-medium SAND, some fine gravel, trace silt, trace fine red gravel, coal ash, coal, metal fragments (dry) [FILL]	1						5.4	Soil sample SB03_1-3	
								10.3			
								12.2			
								6.6			
		R2a (0-20") Reddish brown fine-medium SAND, some fine gravel, trace fine red gravel, coal ash, metal fragments (dry) [FILL]	4							Soil sample SB03_6-8	
		R3a (0-22") Brown fine-medium SAND, some fine gravel, trace silt (wet) [FILL]	8							Soil sample SB03_10-12	
			12								

Project			Project No.						
111 Washington Street			170695201						
Location			Elevation and Datum						
New York, New York			N/A						
MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (in)	Penetr. resist. BL/6in	PID (ppm)	
		R4a (0-25") Brown fine-medium SAND, some fine gravel, trace silt (wet) [FILL]	12	R-4	Macrocore	25/48		7.7	EOB at 20 feet bgs, set 10 feet of 0.010-slotted screen at 20 feet bgs, sampled, backfilled and abandoned with clean soil cuttings, capped at grade with topsoil
			13						
			14						
			15						
			16						
			17						
			18						
			19						
			20						
			21						
		R5a (0-22") Brown fine-medium SAND, some fine gravel, trace silt (wet) [FILL]	22	R-5	Macrocore	22/48		8.2	
			23						
			24						
			25						
			26						
			27						
			28						

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Project 111 Washington Street				Project No. 170695201						
Location New York, New York				Elevation and Datum N/A						
Drilling Company Lakewood Environmental Services Corp.				Date Started 10/08/2021		Date Finished 10/08/2021				
Drilling Equipment Geoprobe 54LT				Completion Depth 20 ft		Rock Depth NA				
Size and Type of Bit 2in Direct Push				Number of Samples 5		Disturbed NA				
Casing Diameter (in) NA		Casing Depth (ft) NA		Water Level (ft.) First ∇ 12		Undisturbed NA				
Casing Hammer NA		Weight (lbs) NA		Drop (in) NA		Completion NA				
Sampler 4-foot stainless steel macrocore sampler				Drilling Foreman Tim Kelly						
Sampler Hammer NA				Field Engineer Jacob Menken						
MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)	
				Number	Type	Recov. (in)	Penetr. resist	BLU6in		PID (ppm)
X		R1a (0-10") Light gray fine GRAVEL, some fine sand, trace silt (dry) [FILL]	0						7.9	Soil sample SB04_2-4
		R1b (10-22") Light brown to grayish tan fine-medium SAND, trace silt, some fine gravel, trace fine red gravel, coal (dry) [FILL]	1						17.9	
			2	R-1	Macrocore	22/48			21.1	
			3						6.4	
		R2a (0-9") Light brown to grayish tan fine-medium SAND, some fine gravel, trace silt, trace fine red gravel, coal (dry) [FILL]	4							
		R2b (9-20") Tannish brown fine-medium SAND, some silt, trace fine gravel, trace fine red gravel (dry) [FILL]	5							
			6	R-2	Macrocore	20/48			11.7	
			7						12.1	
			8						13.3	
		R3a (0-19") Dark brown to light reddish brown fine-medium SAND, some fine gravel, trace silt, trace fine red gravel (moist) [FILL]	9						6.4	
			10	R-3	Macrocore	19/48			5.8	
			11						6.1	
		12						5.1		

Project	111 Washington Street	Project No.	170695201
Location	New York, New York	Elevation and Datum	N/A

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (in)	Penetr. resist. BL/6in	PID (ppm)	
		R4a (0-15") Dark brown fine-medium SAND, some fine gravel, trace silt, trace fine red gravel, organic materials, wood, shell fragments (wet) [FILL]	12	R-4	Macrocore	15/48		2.4	Soil sample SB04_14-16
			13						
			14						
			15					10.6	
			16	R-5	Macrocore	14/48		7.9	
		R5a (0-14") Light brown to dark gray fine-medium SAND, some fine gravel, trace silt, trace fine sand, trace fine red gravel (wet) [FILL]	16					12.2	
			17						
			18						
			19					0.0	
			20					0.0	
			21						
			22						
			23						
			24						
			25						
			26						
			27						
									EOB at 20 feet bgs, sampled, backfilled and abandoned with clean soil cuttings, capped at grade with topsoil

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Project 111 Washington Street				Project No. 170695201					
Location New York, New York				Elevation and Datum N/A					
Drilling Company Lakewood Environmental Services Corp.				Date Started 10/08/2021		Date Finished 10/08/2021			
Drilling Equipment Geoprobe 54LT				Completion Depth 20 ft		Rock Depth NA			
Size and Type of Bit 2in Direct Push				Number of Samples 5		Disturbed NA			
Casing Diameter (in) NA		Casing Depth (ft) NA		Water Level (ft.) First ∇ 12		Undisturbed NA			
Casing Hammer NA		Weight (lbs) NA		Drop (in) NA		Completion NA			
Sampler 4-foot stainless steel macrocore sampler				Drilling Foreman Tim Kelly					
Sampler Hammer NA				Field Engineer Jacob Menken					
MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (in)	Penetr. resist	PID (ppm)	
X		R1a (0-9") Dark gray to grayish black fine-coarse SAND, some fine gravel, trace silt (dry) [FILL]	0					5.2	Soil sample SB05_1-3
		R1b (9-15") Light gray to grayish tan fine-medium SAND, some fine gravel, trace silt (dry) [FILL]	1				5.8		
		R1c (15-27") Light brown to dark brown fine SAND, some silt, trace fine gravel, trace fine red gravel (moist) [FILL]	2	R-1	Macrocore	27/48	4.6		
			3				0.8		
		R2a (0-18") Light brown to dark brown fine SAND, some silt, trace fine gravel, trace fine red gravel, coal, coal ash (dry) [FILL]	4					Soil sample SB05_6-8	
			5				0.0		
			6	R-2	Macrocore	18/48	0.0		
			7				0.0		
				8				0.0	
		R3a (0-20") Light brown to dark brown fine SAND, some silt, trace fine gravel, trace fine red gravel, coal, coal ash (wet) [FILL]	9						
			10	R-3	Macrocore	20/48	0.8		
			11				0.2		
		12				0.2			

Project	111 Washington Street	Project No.	170695201
Location	New York, New York	Elevation and Datum	N/A

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (in)	Penetr. resist. BL/6in	PID (ppm)	
		R4a (0-24") Dark brown to light brownish black fine-medium SAND, some fine gravel, trace silt, trace fine red gravel (wet) [FILL]	12	R-4	Macrocore	24/48			
			13						
			14						
			15					0.0	
			16					0.0	
			17					0.0	
			18						
			19						
			20					0.0	
			21					0.0	
		R5a (0-12") Dark brown to light brownish black fine-medium SAND, some fine gravel, trace silt, trace fine red gravel (wet) [FILL]	16	R-5	Macrocore	12/48			EOB at 20 feet bgs, sampled, backfilled and abandoned with clean soil cuttings, capped at grade with topsoil
			17						
			18						
			19						
			20						
			21						
			22						
			23						
			24						
			25						
			26						
			27						

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Project 111 Washington Street				Project No. 170695201																																																																																																																																				
Location New York, New York				Elevation and Datum N/A																																																																																																																																				
Drilling Company Lakewood Environmental Services Corp.				Date Started 10/08/2021		Date Finished 10/08/2021																																																																																																																																		
Drilling Equipment Geoprobe 54LT				Completion Depth 20 ft		Rock Depth NA																																																																																																																																		
Size and Type of Bit 2in Direct Push				Number of Samples 5		Disturbed NA																																																																																																																																		
Casing Diameter (in) NA		Casing Depth (ft) NA		Water Level (ft.) First ∇ 12		Undisturbed NA																																																																																																																																		
Casing Hammer NA		Weight (lbs) NA		Drop (in) NA		Completion NA																																																																																																																																		
Sampler 4-foot stainless steel macrocore sampler				Drilling Foreman Tim Kelly																																																																																																																																				
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<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">MATERIAL SYMBOL</th> <th rowspan="2">Elev. (ft)</th> <th rowspan="2">Sample Description</th> <th rowspan="2">Depth Scale</th> <th colspan="5">Sample Data</th> <th rowspan="2">Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)</th> </tr> <tr> <th>Number</th> <th>Type</th> <th>Recov. (in)</th> <th>Penetr. resist</th> <th>BLU6in</th> <th>PID (ppm)</th> </tr> </thead> <tbody> <tr> <td rowspan="12" style="background-image: linear-gradient(to bottom, transparent 49%, black 49% 51%, black 51% 53%, transparent 53%); background-size: 10px 10px;"></td> <td></td> <td>R1a (0-26") Dark gray to grayish brown fine-medium SAND, some fine gravel, trace silt, trace fine red gravel (dry) [FILL]</td> <td>0</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0.0</td> <td rowspan="5">Soil sample SB06_1-3</td> </tr> <tr> <td></td> <td></td> <td>2</td> <td>R-1</td> <td>Macrocore</td> <td>37/48</td> <td></td> <td></td> <td>0.0</td> </tr> <tr> <td></td> <td>R1b (26-37") Reddish brown silty fine-medium SAND, some fine gravel, trace fine red gravel (dry) [FILL]</td> <td>3</td> <td></td> <td></td> <td></td> <td></td> <td>0.0</td> </tr> <tr> <td></td> <td></td> <td>4</td> <td></td> <td></td> <td></td> <td></td> <td>0.0</td> </tr> <tr> <td></td> <td></td> <td>5</td> <td></td> <td></td> <td></td> <td></td> <td>0.0</td> </tr> <tr> <td></td> <td>R2a (0-32") Reddish brown silty fine-medium SAND, some fine gravel, trace fine red gravel (dry) [FILL]</td> <td>6</td> <td>R-2</td> <td>Macrocore</td> <td>32/48</td> <td></td> <td></td> <td>0.0</td> <td rowspan="7"></td> </tr> <tr> <td></td> <td></td> <td>7</td> <td></td> <td></td> <td></td> <td></td> <td>0.0</td> </tr> <tr> <td></td> <td></td> <td>8</td> <td></td> <td></td> <td></td> <td></td> <td>0.0</td> </tr> <tr> <td></td> <td>R3a (0-24") Reddish brown silty fine-medium SAND, some fine gravel, trace fine red gravel (dry) [FILL]</td> <td>9</td> <td></td> <td></td> <td></td> <td></td> <td>0.0</td> </tr> <tr> <td></td> <td></td> <td>10</td> <td>R-3</td> <td>Macrocore</td> <td>24/48</td> <td></td> <td></td> <td>0.0</td> </tr> <tr> <td></td> <td></td> <td>11</td> <td></td> <td></td> <td></td> <td></td> <td>0.0</td> </tr> <tr> <td></td> <td></td> <td>12</td> <td></td> <td></td> <td></td> <td></td> <td>0.0</td> </tr> </tbody> </table>								MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)	Number	Type	Recov. (in)	Penetr. resist	BLU6in	PID (ppm)			R1a (0-26") Dark gray to grayish brown fine-medium SAND, some fine gravel, trace silt, trace fine red gravel (dry) [FILL]	0										1						0.0	Soil sample SB06_1-3			2	R-1	Macrocore	37/48			0.0		R1b (26-37") Reddish brown silty fine-medium SAND, some fine gravel, trace fine red gravel (dry) [FILL]	3					0.0			4					0.0			5					0.0		R2a (0-32") Reddish brown silty fine-medium SAND, some fine gravel, trace fine red gravel (dry) [FILL]	6	R-2	Macrocore	32/48			0.0				7					0.0			8					0.0		R3a (0-24") Reddish brown silty fine-medium SAND, some fine gravel, trace fine red gravel (dry) [FILL]	9					0.0			10	R-3	Macrocore	24/48			0.0			11					0.0			12					0.0
MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data								Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)																																																																																																																												
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			1						0.0	Soil sample SB06_1-3																																																																																																																														
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			4					0.0																																																																																																																																
			5					0.0																																																																																																																																
		R2a (0-32") Reddish brown silty fine-medium SAND, some fine gravel, trace fine red gravel (dry) [FILL]	6	R-2	Macrocore	32/48			0.0																																																																																																																															
			7					0.0																																																																																																																																
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			10	R-3	Macrocore	24/48			0.0																																																																																																																															
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Project	111 Washington Street	Project No.	170695201
Location	New York, New York	Elevation and Datum	N/A

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (in)	Penetr. resist. BL/6in	PID (ppm)	
		R4a (0-7") Reddish brown silty fine-medium SAND, some fine gravel, trace fine red gravel (wet) [FILL]	12	R-4	Macrocore	21/48			Soil sample SB06_14-16
		R4b (7-11") Brownish yellow fine-medium SAND, wood (wet) [FILL]	13					0.0	
		R4c (11-21") Dark brown to grayish tan silty fine SAND, some fine gravel, wood (wet) [FILL]	14					0.0	
			15					0.0	
		R5a (0-18") Dark brown to grayish tan silty fine SAND, some fine gravel, wood (wet) [FILL]	16	R-5	Macrocore	18/48			Soil sample SB06_18-20
			17					0.0	
			18					0.0	
			19					0.0	
			20						
			21						EOB at 20 feet bgs, sampled, backfilled and abandoned with clean soil cuttings, capped at grade with topsoil
			22						
			23						
			24						
			25						
			26						
			27						

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Project 111 Washington Street				Project No. 170695201					
Location New York, New York				Elevation and Datum N/A					
Drilling Company Lakewood Environmental Services Corp.				Date Started 10/09/2021		Date Finished 10/09/2021			
Drilling Equipment Geoprobe 54LT				Completion Depth 20 ft		Rock Depth NA			
Size and Type of Bit 2in Direct Push				Number of Samples 5		Disturbed NA			
Casing Diameter (in) NA		Casing Depth (ft) NA		Water Level (ft.) First ∇ 16		Undisturbed NA			
Casing Hammer NA		Weight (lbs) NA		Drop (in) NA		Completion NA			
Sampler 4-foot stainless steel macrocore sampler				Drilling Foreman Tim Kelly					
Sampler Hammer NA				Field Engineer Jacob Menken					
MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (in)	Penetr. resist. BLU/in	PID (ppm)	
X		R1a (0-13") Dark brown to light black fine-medium SAND, some silt, some fine gravel (dry) [FILL]	0					0.0	Soil sample SB07_3-5
		R1b (13-19") Grayish tan to gray fine-medium SAND, some silt, some fine gravel (dry) [FILL]	1				0.0		
		R1c (19-24") Dark brown to light fine-medium SAND, trace silt, trace fine gravel, trace fine red gravel, glass fragments (dry) [FILL]	2	R-1	Macrocore	24/48		0.0	
		R2a (0-9") Dark brown to light fine-medium SAND, trace silt, trace fine gravel, trace fine red gravel, glass fragments (dry) [FILL]	4						Soil sample SB07_6-8
		R2b (9-14") Light black to gray fine-medium SAND, trace silt, trace fine gravel, coal, glass (dry) [FILL]	5						
			6	R-2	Macrocore	14/48			
		R3a (0-6") Light black to gray fine-medium SAND, trace silt, trace fine gravel, coal, glass fragments (wet) [FILL]	8					0.0	Soil sample SB07_10-12
		R3b (6-24") Dark brown to reddish brown silty fine-medium SAND, trace fine gravel, trace fine red gravel, wood (wet) [FILL]	9					0.0	
			10	R-3	Macrocore	24/48		0.0	
				11					0.0
				12					0.0

Project	111 Washington Street	Project No.	170695201
Location	New York, New York	Elevation and Datum	N/A

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (in)	Penetr. resist. BL/6in	PID (ppm)	
		R4a (0-18") Dark brown to light black fine-medium SAND, trace silt, trace fine gravel (dry) [FILL]	12	R-4	Macrocore	18/48			
			13						
			14					0.0	
			15					0.0	
			16					0.0	
		R5a (0-26") Dark brown to light black fine-medium SAND, trace silt, trace fine gravel (wet) [FILL]	16	R-5	Macrocore	26/48			
			17						
			18					0.0	
			19					0.0	
			20					0.0	
			21						
			22						
			23						
			24						
			25						
			26						
			27						
									EOB at 20 feet bgs, sampled, backfilled and abandoned with clean soil cuttings, capped at grade with topsoil

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Project 111 Washington Street				Project No. 170695201					
Location New York, New York				Elevation and Datum N/A					
Drilling Company Lakewood Environmental Services Corp.				Date Started 10/09/2021		Date Finished 10/09/2021			
Drilling Equipment Geoprobe 54LT				Completion Depth 20 ft		Rock Depth NA			
Size and Type of Bit 2in Direct Push				Number of Samples 5		Disturbed NA			
Casing Diameter (in) NA		Casing Depth (ft) NA		Water Level (ft.) First 8		Undisturbed NA			
Casing Hammer NA		Weight (lbs) NA		Drop (in) NA		Completion NA			
Sampler 4-foot stainless steel macrocore sampler				Drilling Foreman Tim Kelly					
Sampler Hammer NA				Field Engineer Jacob Menken					
MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (in)	Penetr. resist. BLU/in	PID (ppm)	
X		R1a (0-16") Dark brown to light black fine-medium SAND, some silt, some fine gravel, glass (dry) [FILL]	0					0.4	Soil sample SB08_3-5 Petroleum-like odor from approximately 4 to 16 feet bgs
			1					0.8	
		R1b (16-23") Dark brown to reddish brown silty fine-medium SAND, trace fine gravel (dry) [FILL]	2	R-1	Macrocore	23/48		1.1	
			3						
		R2a (0-22") Dark brown to reddish brown silty fine-medium SAND, trace fine gravel, trace fine red gravel (dry) [FILL]	4						
			5						
			6	R-2	Macrocore	22/48			
			7					319.9	
			8					70.1	
		R3a (0-15") Dark brown to reddish brown silty fine-medium SAND, trace fine gravel, trace fine red gravel (wet) [FILL]	9					6.2	
			10	R-3	Macrocore	15/48		2.5	
			11					8.5	
		12					2.5		

Project	111 Washington Street	Project No.	170695201
Location	New York, New York	Elevation and Datum	N/A

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (in)	Penetr. resist. BL/6in	PID (ppm)	
		R4a (0-10") Dark brown to reddish brown silty fine-medium SAND, trace fine gravel (wet) [FILL]	12	R-4	Macrocore	16/48			Soil sample SB08_14-16
		R4b (10-16") Dark brown to light black silty fine-medium SAND (wet) [FILL]	13						
			14					11.1	
			15					294.0	
			16	R-5	Macrocore	46/48		224.2	
		R5a (0-46") Dark brown to light black silty fine-medium SAND, trace fine red gravel (wet) [FILL]	16					254.6	
			17					3.0	
			18					1.4	
			19					0.7	
			20					0.3	
			21					0.2	
			22					0.2	
			23					0.4	
			24						EOB at 20 feet bgs, sampled, backfilled and abandoned with clean soil cuttings, capped at grade with topsoil
			25						
			26						
			27						

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[illegible]

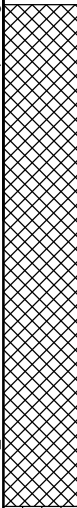
Project	111 Washington Street	Project No.	170695201
Location	New York, New York	Elevation and Datum	N/A

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (in)	Penetr. resist. BL/6in	PID (ppm)	
		R4a (0-20") Light black to dark brown silty fine-medium SAND, trace fine gravel (wet) [FILL]	12	R-4	Macrocore	20/48			Soil sample SB09_12-14
			13						
			14					47.4	
			15					28.2	
			16					10.7	
		R5a (0-18") Light black to dark brown silty fine-medium SAND, trace fine gravel (wet) [FILL]	16	R-5	Macrocore	18/48			
			17						
			18					0.7	
			19					0.4	
			20					0.4	
			20						EOB at 20 feet bgs, sampled, backfilled and abandoned with clean soil cuttings, capped at grade with topsoil
			21						
			22						
			23						
			24						
			25						
			26						
			27						

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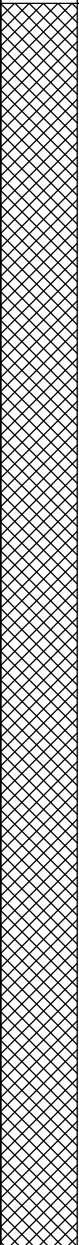
Project 111 Washington Street				Project No. 170695201																																																																																																																																																												
Location New York, New York				Elevation and Datum N/A																																																																																																																																																												
Drilling Company Lakewood Environmental Services Corp.				Date Started 10/11/2021		Date Finished 10/11/2021																																																																																																																																																										
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Casing Diameter (in) NA		Casing Depth (ft) NA		Water Level (ft.) First ∇ 8		Undisturbed NA																																																																																																																																																										
Casing Hammer NA		Weight (lbs) NA		Drop (in) NA		Completion NA																																																																																																																																																										
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<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">MATERIAL SYMBOL</th> <th rowspan="2">Elev. (ft)</th> <th rowspan="2">Sample Description</th> <th rowspan="2">Depth Scale</th> <th colspan="5">Sample Data</th> <th rowspan="2">Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)</th> </tr> <tr> <th>Number</th> <th>Type</th> <th>Recov. (in)</th> <th>Penetr. resist BLU6in</th> <th>PID (ppm)</th> </tr> </thead> <tbody> <tr> <td rowspan="5" style="background-color: #cccccc; text-align: center;">X</td> <td></td> <td>R1a (0-11) Light black to dark brown fine-medium SAND, some silt, some fine gravel, glass fragments (dry) [FILL]</td> <td>0</td> <td></td> <td></td> <td></td> <td></td> <td>0.0</td> <td></td> </tr> <tr> <td></td> <td>R1b (11-30") Light brown to brown fine-medium SAND, some fine gravel, trace silt, trace fine red gravel (dry) [FILL]</td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td>0.0</td> <td></td> </tr> <tr> <td></td> <td></td> <td>2</td> <td>R-1</td> <td>Macrocore</td> <td>30/48</td> <td></td> <td>0.0</td> <td></td> </tr> <tr> <td></td> <td></td> <td>3</td> <td></td> <td></td> <td></td> <td></td> <td>0.0</td> <td></td> </tr> <tr> <td></td> <td></td> <td>4</td> <td></td> <td></td> <td></td> <td></td> <td>0.0</td> <td></td> </tr> <tr> <td rowspan="5" style="background-color: #cccccc; text-align: center;">X</td> <td></td> <td>R2a (0-28") Dark black to light brown fine-medium SAND, trace silt, trace fine gravel, trace fine red gravel (moist) [FILL]</td> <td>4</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>5</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>6</td> <td>R-2</td> <td>Macrocore</td> <td>28/48</td> <td></td> <td>0.0</td> <td></td> </tr> <tr> <td></td> <td></td> <td>7</td> <td></td> <td></td> <td></td> <td></td> <td>0.0</td> <td></td> </tr> <tr> <td></td> <td></td> <td>8</td> <td></td> <td></td> <td></td> <td></td> <td>0.0</td> <td></td> </tr> <tr> <td rowspan="5" style="background-color: #cccccc; text-align: center;">X</td> <td></td> <td>R3a (0-8") Dark black to light brown fine-medium SAND, trace silt, trace fine gravel, trace fine red gravel, wood (moist) [FILL]</td> <td>8</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>R3b (8-17") Dark brown to reddish brown silty fine SAND, trace fine gravel (wet) [FILL]</td> <td>9</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>10</td> <td>R-3</td> <td>Macrocore</td> <td>17/48</td> <td></td> <td>0.0</td> <td></td> </tr> <tr> <td></td> <td></td> <td>11</td> <td></td> <td></td> <td></td> <td></td> <td>0.0</td> <td></td> </tr> <tr> <td></td> <td></td> <td>12</td> <td></td> <td></td> <td></td> <td></td> <td>0.0</td> <td></td> </tr> </tbody> </table>								MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)	Number	Type	Recov. (in)	Penetr. resist BLU6in	PID (ppm)	X		R1a (0-11) Light black to dark brown fine-medium SAND, some silt, some fine gravel, glass fragments (dry) [FILL]	0					0.0			R1b (11-30") Light brown to brown fine-medium SAND, some fine gravel, trace silt, trace fine red gravel (dry) [FILL]	1					0.0				2	R-1	Macrocore	30/48		0.0				3					0.0				4					0.0		X		R2a (0-28") Dark black to light brown fine-medium SAND, trace silt, trace fine gravel, trace fine red gravel (moist) [FILL]	4									5									6	R-2	Macrocore	28/48		0.0				7					0.0				8					0.0		X		R3a (0-8") Dark black to light brown fine-medium SAND, trace silt, trace fine gravel, trace fine red gravel, wood (moist) [FILL]	8								R3b (8-17") Dark brown to reddish brown silty fine SAND, trace fine gravel (wet) [FILL]	9									10	R-3	Macrocore	17/48		0.0				11					0.0				12					0.0	
MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data								Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)																																																																																																																																																				
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			3					0.0																																																																																																																																																								
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Project			Project No.						
111 Washington Street			170695201						
Location			Elevation and Datum						
New York, New York			N/A						
MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (in)	Penetr. resist. BL/6in	PID (ppm)	
		R4a (0-9") Light black to dark brown fine-medium SAND, trace fine gravel (wet) [FILL]	12	R-4	Macrocore	17/48		0.0 0.0	
		R4b (9-17") Brown to reddish brown fine-medium SAND, trace fine gravel (wet) [FILL]	13						
			14						
			15						
		R5a (0-10") Brown to reddish brown fine-medium SAND, trace fine gravel (wet) [FILL]	16	R-5	Macrocore	17/48		0.0 0.0	
		R5b (10-17") Dark brown to gray SILT, some clay, trace fine sand, shell fragments (wet) [SILT]	17						
			18						
			19						
			20						EOB at 20 feet bgs, no samples collected, backfilled and abandoned with clean soil cuttings, capped at grade with topsoil
			21						
			22						
			23						
			24						
			25						
			26						
			27						

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Project 111 Washington Street				Project No. 170695201			
Location New York, New York				Elevation and Datum N/A			
Drilling Company Lakewood Environmental Services Corp.				Date Started 10/11/2021		Date Finished 10/11/2021	
Drilling Equipment Geoprobe 54LT				Completion Depth 20 ft		Rock Depth NA	
Size and Type of Bit 2in Direct Push				Number of Samples 5		Disturbed NA	
Casing Diameter (in) NA		Casing Depth (ft) NA		Water Level (ft.) First ∇ 12		Undisturbed NA	
Casing Hammer NA		Weight (lbs) NA		Drop (in) NA		Completion NA	
Sampler 4-foot stainless steel macrocore sampler				Drilling Foreman Tim Kelly			
Sampler Hammer NA				Field Engineer Jacob Menken			
Weight (lbs) NA		Drop (in) NA					

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)	
				Number	Type	Recov. (in)	Penetr. resist BLU/in	PID (ppm)		
		R1a (0-15") Light black to dark brown fine-medium SAND, some fine gravel, trace silt, trace fine red gravel, glass fragments (dry) [FILL]	0							Soil sample SB11_2-4
			1					0.0		
		R1b (15-27") Brown to reddish brown fine-medium SAND, some silt, some fine gravel (dry) [FILL]	2	R-1	Macrocore	27/48		0.0		
			3							
		R2a (0-30") Brown to reddish brown fine-medium SAND, some silt, some fine gravel, trace fine red gravel (dry) [FILL]	4							
			5							
			6	R-2	Macrocore	30/48		0.0		
			7					0.0		
			8					0.0		
		R3a (0-16") Brown to reddish brown fine-medium SAND, some silt, some fine gravel, trace fine red gravel (dry) [FILL]	9							
			10	R-3	Macrocore	30/48		0.0		
		R3b (16-30") Brown to dark brown fine-medium SAND, some fine gravel, trace silt, trace fine red gravel (moist) [FILL]	11					0.0		
							0.0			

Project	111 Washington Street	Project No.	170695201
Location	New York, New York	Elevation and Datum	N/A

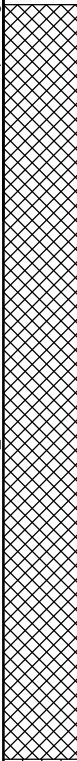
MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (in)	Penetr. resist. BL/6in	PID (ppm)	
		R4a (0-24") Brown to reddish brown fine-medium SAND, trace silt, trace fine gravel (wet) [FILL]	12	R-4	Macrocore	24/48			
			13						
			14						
			15					0.0	
			16					0.0	
			17					0.0	
			18					0.0	
			19					0.0	
			20						
			21						
		R5a (0-30") Brown to reddish brown fine-medium SAND, trace silt, trace fine gravel (wet) [FILL]	16	4-5	Macrocore	30/48			EOB at 20 feet bgs, sampled, backfilled and abandoned with clean soil cuttings, capped at grade with topsoil
			17						
			18						
			19						
			20						
			21						
			22						
			23						
			24						
			25						
			26						
			27						

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Project 111 Washington Street				Project No. 170695201			
Location New York, New York				Elevation and Datum N/A			
Drilling Company Lakewood Environmental Services Corp.				Date Started 10/11/2021		Date Finished 10/11/2021	
Drilling Equipment Geoprobe 54LT				Completion Depth 20 ft		Rock Depth NA	
Size and Type of Bit 2in Direct Push				Number of Samples 5		Disturbed NA	
Casing Diameter (in) NA		Casing Depth (ft) NA		Water Level (ft.) First ∇ 8		Undisturbed Completion ∇ NA	
Casing Hammer NA		Weight (lbs) NA		Drop (in) NA		Drilling Foreman Tim Kelly	
Sampler 4-foot stainless steel macrocore sampler				Field Engineer Jacob Menken			
Sampler Hammer NA		Weight (lbs) NA		Drop (in) NA			

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (in)	Penetr. resist	PID (ppm)	
X		R1a (0-6") Dark gray to light black fine-medium SAND, some silt, some fine gravel, glass fragments (dry) [FILL]	0		Macrocore	22/48			0.0 0.0 0.0 0.0 0.0 0.0 1.2 383.5 268.4
		R1b (6-22") Reddish brown to light brown fine-medium SAND, some silt, trace fine gravel, trace fine red gravel (dry) [FILL]	1						
			2						
			3						
		R2a (0-14") Reddish brown to light brown fine-medium SAND, some silt, trace fine gravel (dry) [FILL]	4	R-2	Macrocore	24/48			
			5						
		R2b (14-24") Reddish brown to light brown fine-medium SAND, some silt, trace fine gravel (moist) [FILL]	6						
			7	R-3	Macrocore	25/48			
		R3a (0-10") Reddish brown to light black fine-medium SAND, some silt, some fine gravel, trace fine red gravel (wet) [FILL]	8						
			9						
		R3b (10-25") Dark brown to grayish brown fine-medium SAND, trace silt, trace fine gravel, wood (wet) [FILL]	10						
			11						
		12							

Project 111 Washington Street			Project No. 170695201						
Location New York, New York			Elevation and Datum N/A						
MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (in)	Penetr. resist. BL/6in	PID (ppm)	
		R4a (0-2") Reddish brown to light brown fine-medium SAND, some silt, trace fine gravel, trace fine red gravel (wet) [FILL] R4b (2-25") Dark brown to grayish black fine SAND, some silt, trace fine gravel, trace fine red gravel, wood (wet) [FILL]	12					217.3	EOB at 20 feet bgs, sampled, backfilled and abandoned with clean soil cuttings, capped at grade with topsoil
			13						
			14	R-4	Macrocore	25/48		10.8	
			15					7.2	
			16					1.2	
		R5a (0-24") Dark brown to grayish black fine SAND, some silt, trace fine gravel, trace fine red gravel, shell fragments (wet) [FILL]	16						
			17					4.5	
			18	R-5	Macrocore	30/48		3.4	
			19					2.0	
			20					1.2	
							0.7		
	R5a (24-30") Dark brown to grayish black SILT, trace fine sand, trace clay, shell fragments (wet) [SILT]	20							
		21							
		22							
		23							
		24							
		25							
		26							
		27							

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Project 111 Washington Street				Project No. 170695201					
Location New York, New York				Elevation and Datum N/A					
Drilling Company Lakewood Environmental Services Corp.				Date Started 10/11/2021		Date Finished 10/11/2021			
Drilling Equipment Geoprobe 54LT				Completion Depth 20 ft		Rock Depth NA			
Size and Type of Bit 2in Direct Push				Number of Samples 5		Disturbed NA			
Casing Diameter (in) NA		Casing Depth (ft) NA		Water Level (ft.) First ∇ 8		Undisturbed NA			
Casing Hammer NA		Weight (lbs) NA		Drop (in) NA		Completion NA			
Sampler 4-foot stainless steel macrocore sampler				Drilling Foreman Tim Kelly					
Sampler Hammer NA				Field Engineer Jacob Menken					
MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (in)	Penetr. resist BLU/in	PID (ppm)	
X		R1a (0-9") Dark brown to light black fine-medium SAND, some silt, trace fine gravel, glass fragments (dry) [FILL]	0	R-1 Macrocore	24/48			0.0	
		R1b (9-24") Dark brown to brown fine-medium SAND, some silt, trace fine gravel (dry) [FILL]	1					0.0	
			2					0.0	
			3						
		R2a (0-19") Dark brown to brown fine-medium SAND, some silt, trace fine gravel, trace fine red gravel (dry) [FILL]	4	R-2 Macrocore	19/48			0.0	
			5					0.0	
			6					0.0	
			7						
		R3a (0-8") Dark brown to brown fine-medium SAND, some silt, trace fine gravel, trace fine red gravel (dry) [FILL]	8	R-3 Macrocore	22/48			0.4	
		R3b (8-22") Dark brown to gray fine-medium SAND, trace silt, trace fine gravel (wet) [FILL]	9					1.6	
			10					9.8	
			11						
		12							

Project	111 Washington Street	Project No.	170695201
Location	New York, New York	Elevation and Datum	N/A

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (in)	Penetr. resist. BL/6in	PID (ppm)	
		R4a (0-28") Dark brown to gray fine-medium SAND, some silt, trace fine gravel (wet) [FILL]	12	R-4	Macrocore	28/48			Soil sample SB13_13-15
			13					51.5	
			14					19.9	
			15					15.1	
			16					228.6	
			17	R-5	Macrocore	40/48		10.7	
		R5a (0-30") Dark brown to gray fine-medium SAND, some silt, trace fine gravel, (wet) [FILL]	16						
			17					0.2	
			18					0.1	
			19					0.1	
		R5b (30-40") Dark brown to black clayey SILT, trace fine sand (wet) [SILT]	20					0.2	
			21						EOB at 20 feet bgs, sampled, backfilled and abandoned with clean soil cuttings, capped at grade with topsoil
			22						
			23						
			24						
			25						
			26						
			27						

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APPENDIX C
GROUNDWATER SAMPLING LOGS

[illegible]

APPENDIX D
SOIL VAPOR SAMPLING LOGS

SOIL VAPOR SAMPLING LOG SHEET

Sample Number: SV01

PROJECT: 111 Washington Street		PROJECT NO.: 170695201																										
LOCATION: New York, New York		SURFACE ELEVATION AND DATUM: NA																										
DRILLING FIRM OR LANGAN INSTALLER: Lakewood Environmental Services Corp.		INSTALLATION DATE STARTED: 10/9/2021	DATE FINISHED: 10/9/2021																									
INSTALLATION FOREMAN: Tim Kelly		SAMPLE DATE STARTED: 10/9/2021	DATE FINISHED: 10/9/2021																									
INSTALLATION EQUIPMENT: Geoprobe® 54LT		TYPE OF SAMPLING DEVICE: 6-Liter Summa Canister																										
INSPECTOR: Jacob Menken		SAMPLER: Jacob Menken																										
POTENTIAL SAMPLE INTERFERENCES: NA		WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.): Temp: 65F Wind: 5-8 mph, NE Precipitation: NA Pressure: 30.23" Hg																										
METHOD OF INSTALLATION AND PURGING: Lakewood advanced Geoprobe 54DT to 10 feet below grade surface (bgs), 2 feet above the water table, installed 2-inch soil vapor probe, backfill with No. 2 sand to 0.5 feet bgs, sealed with hydrated bentonite to 0 feet bgs.																												
TUBING TYPE/DIAMETER: 1/4-Inch Teflon-lined Polyethylene Tubing		TYPE OF MATERIAL ABOVE SEAL: NA																										
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: 2-Inch Teflon		SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.): Bentonite																										
BOREHOLE DIAMETER: 2-inch		FILTER PACK MATERIAL (Sand or Glass Beads): No. 2 Sand																										
PURGE VOLUME (L): 0.20 PURGE FLOW RATE (ML/MIN): 200 PID AFTER PURGE (PPM): 22.1 HELIUM TESTS <table border="1"> <thead> <tr> <th></th> <th>Pre-sampling</th> <th>Post-sampling</th> </tr> </thead> <tbody> <tr> <td>HELIUM TEST IN BUCKET(%):</td> <td>14.9%</td> <td>12.0%</td> </tr> <tr> <td>HELIUM TEST IN TUBE (PPM):</td> <td>0.0%</td> <td>0.0%</td> </tr> </tbody> </table> SAMPLE START TIME: 11:12 SAMPLE STOP TIME: 13:12 TOTAL SAMPLE TIME (MIN): 120 REGULATOR FLOW RATE (L/MIN): 0.05 VOLUME OF SAMPLE (LITERS): 6 PID AFTER SAMPLE (PPM): 14.2 SAMPLE MOISTURE CONTENT: NA CAN SERIAL NUMBER: 17346 REGULATOR SERIAL NUMBER: 7095 CAN START VACUUM PRESS. (" HG): -30.00 CAN STOP VACUUM PRESS. (" HG): -10.00			Pre-sampling	Post-sampling	HELIUM TEST IN BUCKET(%):	14.9%	12.0%	HELIUM TEST IN TUBE (PPM):	0.0%	0.0%	<table border="1"> <thead> <tr> <th colspan="2">IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)</th> <th>DEPTH (FEET FROM SURFACE)</th> <th>NOTES</th> </tr> </thead> <tbody> <tr> <td>SURFACE</td> <td>SURFACE</td> <td></td> <td></td> </tr> <tr> <td colspan="2" rowspan="3"> </td> <td>0.00</td> <td></td> </tr> <tr> <td>0.50</td> <td></td> </tr> <tr> <td>10.00</td> <td></td> </tr> </tbody> </table>		IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)		DEPTH (FEET FROM SURFACE)	NOTES	SURFACE	SURFACE					0.00		0.50		10.00	
	Pre-sampling	Post-sampling																										
HELIUM TEST IN BUCKET(%):	14.9%	12.0%																										
HELIUM TEST IN TUBE (PPM):	0.0%	0.0%																										
IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)		DEPTH (FEET FROM SURFACE)	NOTES																									
SURFACE	SURFACE																											
		0.00																										
		0.50																										
		10.00																										
SAMPLE LOCATION SKETCH		NOTES																										
See Sample Location Plan																												
Langan Engineering, Environmental, Surveying, Landscape Architecture, and Geology D.P.C. 21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, New York 10001-2727																												

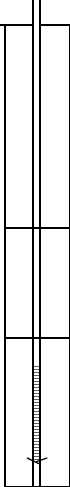
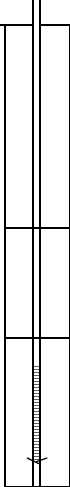
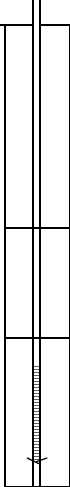
SOIL VAPOR SAMPLING LOG SHEET

Sample Number: SV02

PROJECT: 111 Washington Street		PROJECT NO.: 170695201																										
LOCATION: New York, New York		SURFACE ELEVATION AND DATUM: NA																										
DRILLING FIRM OR LANGAN INSTALLER: Lakewood Environmental Services Corp.		INSTALLATION DATE STARTED: 10/9/2021	DATE FINISHED: 10/9/2021																									
INSTALLATION FOREMAN: Tim Kelly		SAMPLE DATE STARTED: 10/9/2021	DATE FINISHED: 10/9/2021																									
INSTALLATION EQUIPMENT: Geoprobe® 54LT		TYPE OF SAMPLING DEVICE: 6-Liter Summa Canister																										
INSPECTOR: Jacob Menken		SAMPLER: Jacob Menken																										
POTENTIAL SAMPLE INTERFERENCES: NA		WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.): Temp: 65F Wind: 5-8 mph, NE Precipitation: NA Pressure: 30.23" Hg																										
METHOD OF INSTALLATION AND PURGING: Lakewood advanced Geoprobe 54DT to 10 feet bgs, 2 feet above the water table, installed 2-inch soil vapor probe, backfill with No. 2 sand to 0.5 feet bgs, sealed with hydrated bentonite to 0 feet bgs.																												
TUBING TYPE/DIAMETER: 1/4-Inch Teflon-lined Polyethylene Tubing		TYPE OF MATERIAL ABOVE SEAL: NA																										
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: 2-Inch Teflon		SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.): Bentonite																										
BOREHOLE DIAMETER: 2-inch		FILTER PACK MATERIAL (Sand or Glass Beads): No. 2 Sand																										
PURGE VOLUME (L): 0.20 PURGE FLOW RATE (ML/MIN): 200 PID AFTER PURGE (PPM): 1.2 HELIUM TESTS <table border="1"> <thead> <tr> <th></th> <th>Pre-sampling</th> <th>Post-sampling</th> </tr> </thead> <tbody> <tr> <td>HELIUM TEST IN BUCKET(%):</td> <td>15.7%</td> <td>13.1%</td> </tr> <tr> <td>HELIUM TEST IN TUBE (PPM):</td> <td>0.0%</td> <td>0.0%</td> </tr> </tbody> </table> SAMPLE START TIME: 11:13 SAMPLE STOP TIME: 13:13 TOTAL SAMPLE TIME (MIN): 120 REGULATOR FLOW RATE (L/MIN): 0.05 VOLUME OF SAMPLE (LITERS): 6 PID AFTER SAMPLE (PPM): 0 SAMPLE MOISTURE CONTENT: NA CAN SERIAL NUMBER: 23800 REGULATOR SERIAL NUMBER: 13573 CAN START VACUUM PRESS. (" HG): -27.4 CAN STOP VACUUM PRESS. (" HG): -3.52			Pre-sampling	Post-sampling	HELIUM TEST IN BUCKET(%):	15.7%	13.1%	HELIUM TEST IN TUBE (PPM):	0.0%	0.0%	<table border="1"> <thead> <tr> <th colspan="2">IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)</th> <th>DEPTH (FEET FROM SURFACE)</th> <th>NOTES</th> </tr> </thead> <tbody> <tr> <td>SURFACE</td> <td>SURFACE</td> <td></td> <td></td> </tr> <tr> <td colspan="2" rowspan="3"> </td> <td>Top of Seal</td> <td>0.00</td> </tr> <tr> <td>Top of Pack</td> <td>0.50</td> </tr> <tr> <td>Probe Depth</td> <td>10.00</td> </tr> </tbody> </table>		IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)		DEPTH (FEET FROM SURFACE)	NOTES	SURFACE	SURFACE					Top of Seal	0.00	Top of Pack	0.50	Probe Depth	10.00
	Pre-sampling	Post-sampling																										
HELIUM TEST IN BUCKET(%):	15.7%	13.1%																										
HELIUM TEST IN TUBE (PPM):	0.0%	0.0%																										
IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)		DEPTH (FEET FROM SURFACE)	NOTES																									
SURFACE	SURFACE																											
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SAMPLE LOCATION SKETCH		NOTES																										
See Sample Location Plan																												
Langan Engineering, Environmental, Surveying, Landscape Architecture, and Geology D.P.C. 21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, New York 10001-2727																												

SOIL VAPOR SAMPLING LOG SHEET

Sample Number: SV03

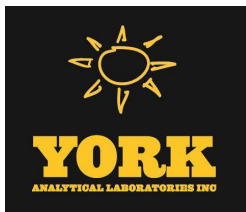
PROJECT: 111 Washington Street		PROJECT NO.: 170695201																			
LOCATION: New York, New York		SURFACE ELEVATION AND DATUM: NA																			
DRILLING FIRM OR LANGAN INSTALLER: Lakewood Environmental Services Corp.		INSTALLATION DATE STARTED: 10/8/2021	DATE FINISHED: 10/8/2021																		
INSTALLATION FOREMAN: Tim Kelly		SAMPLE DATE STARTED: 10/9/2021	DATE FINISHED: 10/9/2021																		
INSTALLATION EQUIPMENT: Geoprobe® 54LT		TYPE OF SAMPLING DEVICE: 6-Liter Summa Canister																			
INSPECTOR: Jacob Menken		SAMPLER: Jacob Menken																			
POTENTIAL SAMPLE INTERFERENCES: NA		WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.): Temp: 65F Wind: 5-8 mph, NE Precipitation: NA Pressure: 30.23" Hg																			
METHOD OF INSTALLATION AND PURGING: Lakewood advanced Geoprobe 54DT to 10 feet bgs, 2 feet above the water table, installed 2-inch soil vapor probe, backfill with No. 2 sand to 0.5 feet bgs, sealed with hydrated bentonite to 0 feet bgs.																					
TUBING TYPE/DIAMETER: 1/4-Inch Teflon-lined Polyethylene Tubing		TYPE OF MATERIAL ABOVE SEAL: NA																			
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: 2-Inch Teflon		SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.): Bentonite																			
BOREHOLE DIAMETER: 2-inch		FILTER PACK MATERIAL (Sand or Glass Beads): No. 2 Sand																			
PURGE VOLUME (L):	0.20	<table border="1"> <thead> <tr> <th colspan="2">IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)</th> <th>DEPTH (FEET FROM SURFACE)</th> <th>NOTES</th> </tr> </thead> <tbody> <tr> <td>SURFACE</td> <td>SURFACE</td> <td></td> <td></td> </tr> <tr> <td colspan="2" rowspan="4">  </td> <td>0.00</td> <td></td> </tr> <tr> <td>0.50</td> <td></td> </tr> <tr> <td>10.00</td> <td></td> </tr> <tr> <td></td> <td></td> </tr> </tbody> </table>		IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)		DEPTH (FEET FROM SURFACE)	NOTES	SURFACE	SURFACE					0.00		0.50		10.00			
IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)				DEPTH (FEET FROM SURFACE)	NOTES																
SURFACE	SURFACE																				
				0.00																	
				0.50																	
				10.00																	
PURGE FLOW RATE (ML/MIN):	200																				
PID AFTER PURGE (PPM):	0																				
HELIUM TESTS																					
	Pre-sampling Post-sampling																				
HELIUM TEST IN BUCKET(%):	12.2% 16.9%																				
HELIUM TEST IN TUBE (PPM):	0.0% 0.0%																				
SAMPLE START TIME:	11:11																				
SAMPLE STOP TIME:	13:11																				
TOTAL SAMPLE TIME (MIN):	120																				
REGULATOR FLOW RATE (L/MIN):	0.05																				
VOLUME OF SAMPLE (LITERS):	6																				
PID AFTER SAMPLE (PPM):	0.3																				
SAMPLE MOISTURE CONTENT:	NA																				
CAN SERIAL NUMBER:	23998																				
REGULATOR SERIAL NUMBER:	7082																				
CAN START VACUUM PRESS. (" HG):	-28.00																				
CAN STOP VACUUM PRESS. (" HG):	-6.00																				
SAMPLE LOCATION SKETCH		NOTES																			
See Sample Location Plan																					
Langan Engineering, Environmental, Surveying, Landscape Architecture, and Geology D.P.C. 21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, New York 10001-2727																					

AIR SAMPLING LOG SHEET

Sample Number: AA01

PROJECT: 111 Washington Street		PROJECT NO.: 170695201	
LOCATION: New York, New York		SURFACE ELEVATION AND DATUM: N/A	
SAMPLER: Jacob Menken		SAMPLE DATE STARTED: 10/9/2021	DATE FINISHED: 10/9/2021
INSPECTOR: Jacob Menken		TYPE OF SAMPLING DEVICE: 6-Liter Summa Canister	
POTENTIAL SAMPLE INTERFERENCES: NA		WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):	
		Temp:	65F
		Wind:	0-8 mph, NE
		Precipitation:	NA
		Pressure:	30.23" Hg
METHOD OF INSTALLATION AND SAMPLING: Langan field screened the sample location with a MiniRAE 3000 photoionization detector prior to sampling. Sample consisted of 6L Summa canister fitted with a 2-hour flow control valve. The flow controller was zeroed and valve opened to initiate the 2-hour sample collection. The sample and flow controller were checked each half hour during sampling to ensure proper operation.			
SAMPLE DETAILS		SAMPLE LOCATION SKETCH	
HEIGHT ABOVE GROUND (FT):	3	See Sample Location Plan	
PID BEFORE SAMPLE (PPM):	0.0		
SAMPLE START TIME:	11:10		
SAMPLE STOP TIME:	13:10		
TOTAL SAMPLE TIME (MIN):	120		
REGULATOR FLOW RATE (L/MIN):	0.5		
VOLUME OF SAMPLE (LITERS):	6		
PID AFTER SAMPLE (PPM):	0.0		
SAMPLE MOISTURE CONTENT:	NA		
CAN SERIAL NUMBER:	24115		
REGULATOR SERIAL NUMBER:	5604		
CAN START VACUUM PRESS. (" HG):	-29.33		
CAN STOP VACUUM PRESS. (" HG):	-4.69		
NOTES			
Langan Engineering, Environmental, Surveying, Landscape Architecture, and Geology D.P.C. 21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, New York 10001-2727			

APPENDIX E
LABORATORY ANALYTICAL REPORTS



Technical Report

prepared for:

Langan Engineering & Environmental Services (NYC)

21 Penn Plaza, 360 West 31st Street

New York NY, 10001

Attention: Woo-Jun Kim

Report Date: 11/02/2021

Client Project ID: 170695201

York Project (SDG) No.: 21J0426

Revision No. 1.0



CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037

New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

Report Date: 11/02/2021
Client Project ID: 170695201
York Project (SDG) No.: 21J0426

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Woo-Jun Kim

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 October 08, 2021 and listed below. The project was identified as your project: **170695201**.

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>
21J0426-01	SB03_6-8	Soil	10/08/2021	10/08/2021
21J0426-02	SB03_10-12	Soil	10/08/2021	10/08/2021
21J0426-03	SB03_1-3	Soil	10/08/2021	10/08/2021
21J0426-04	SB04_2-4	Soil	10/08/2021	10/08/2021
21J0426-05	SB04_14-16	Soil	10/08/2021	10/08/2021
21J0426-06	SB05_1-3	Soil	10/08/2021	10/08/2021
21J0426-07	SB05_6-8	Soil	10/08/2021	10/08/2021
21J0426-08	SB06_1-3	Soil	10/08/2021	10/08/2021
21J0426-09	SB06_14-16	Soil	10/08/2021	10/08/2021
21J0426-10	SB06_18-20	Soil	10/08/2021	10/08/2021

General Notes for York Project (SDG) No.: 21J0426

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

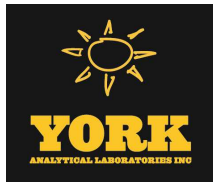
Approved By



Cassie L. Mosher
Laboratory Manager

Date: 11/02/2021





Sample Information

Client Sample ID: SB03_6-8

York Sample ID: 21J0426-01

York Project (SDG) No.

21J0426

Client Project ID

170695201

Matrix

Soil

Collection Date/Time

October 8, 2021 9:30 am

Date Received

10/08/2021

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.593	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	10/12/2021 14:10	10/12/2021 20:26	ZTS

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	84.4		%	0.100	1	SM 2540G Certifications: CTDOH	10/18/2021 09:51	10/18/2021 13:48	VR



Sample Information

Client Sample ID: SB03_10-12

York Sample ID: 21J0426-02

York Project (SDG) No.
21J0426

Client Project ID
170695201

Matrix
Soil

Collection Date/Time
October 8, 2021 9:45 am

Date Received
10/08/2021

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		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:25	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:25	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:25	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	10/13/2021 12:00	10/14/2021 04:25	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:25	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:25	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:25	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:25	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	10/13/2021 12:00	10/14/2021 04:25	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:25	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:25	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:25	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:25	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:25	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:25	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:25	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:25	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:25	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:25	BMC
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.041	0.083	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:25	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:25	BMC



Sample Information

Client Sample ID: SB03_10-12

York Sample ID: 21J0426-02

York Project (SDG) No.
21J0426

Client Project ID
170695201

Matrix
Soil

Collection Date/Time
October 8, 2021 9:45 am

Date Received
10/08/2021

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
591-78-6	2-Hexanone	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:25	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:25	BMC
67-64-1	Acetone	ND		mg/kg dry	0.0041	0.0083	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:25	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0041	0.0083	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:25	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:25	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:25	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:25	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:25	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:25	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:25	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:25	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:25	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:25	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:25	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:25	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:25	BMC
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:25	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:25	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:25	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:25	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:25	BMC
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:25	BMC



Sample Information

Client Sample ID: SB03_10-12

York Sample ID: 21J0426-02

York Project (SDG) No.
21J0426

Client Project ID
170695201

Matrix
Soil

Collection Date/Time
October 8, 2021 9:45 am

Date Received
10/08/2021

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
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:25	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:25	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:25	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:25	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:25	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:25	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.0041	0.0083	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:25	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:25	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:25	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:25	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0041	0.0083	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:25	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:25	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:25	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:25	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:25	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:25	BMC
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:25	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:25	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:25	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:25	BMC
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH	10/13/2021 12:00	10/14/2021 04:25	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:25	BMC



Sample Information

Client Sample ID: SB03_10-12

York Sample ID: 21J0426-02

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21J0426

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October 8, 2021 9:45 am

Date Received
10/08/2021

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
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:25	BMC
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:25	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0062	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	10/13/2021 12:00	10/14/2021 04:25	BMC
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	115 %		77-125							
2037-26-5	Surrogate: SURR: Toluene-d8	105 %		85-120							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	99.8 %		76-130							

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0433	0.0865	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 11:28	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0865	0.173	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 11:28	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0433	0.0865	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 11:28	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0433	0.0865	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	10/15/2021 13:20	10/18/2021 11:28	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0433	0.0865	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 11:28	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0433	0.0865	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	10/15/2021 13:20	10/18/2021 11:28	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0433	0.0865	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	10/15/2021 13:20	10/18/2021 11:28	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0865	0.173	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 11:28	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0433	0.0865	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 11:28	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0433	0.0865	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 11:28	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0433	0.0865	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 11:28	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0433	0.0865	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 11:28	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0865	0.173	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 11:28	KH



Sample Information

Client Sample ID: SB03_10-12

York Sample ID: 21J0426-02

York Project (SDG) No.
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Client Project ID
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Matrix
Soil

Collection Date/Time
October 8, 2021 9:45 am

Date Received
10/08/2021

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0433	0.0865	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 11:28	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0433	0.0865	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 11:28	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0433	0.0865	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 11:28	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0433	0.0865	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 11:28	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0433	0.0865	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 11:28	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0433	0.0865	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 11:28	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0865	0.173	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 11:28	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0433	0.0865	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 11:28	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0433	0.0865	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 11:28	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0433	0.0865	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 11:28	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0865	0.173	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 11:28	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0865	0.173	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 11:28	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0433	0.0865	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 11:28	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0433	0.0865	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 11:28	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0433	0.0865	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 11:28	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0433	0.0865	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 11:28	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0865	0.173	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 11:28	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0865	0.173	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 11:28	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0433	0.0865	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 11:28	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0433	0.0865	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 11:28	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0433	0.0865	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 11:28	KH
62-53-3	Aniline	ND		mg/kg dry	0.173	0.346	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 11:28	KH



Sample Information

Client Sample ID: SB03_10-12

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21J0426

Client Project ID
170695201

Matrix
Soil

Collection Date/Time
October 8, 2021 9:45 am

Date Received
10/08/2021

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-12-7	Anthracene	ND		mg/kg dry	0.0433	0.0865	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 11:28	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0433	0.0865	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 11:28	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0433	0.0865	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 11:28	KH
92-87-5	Benzidine	ND		mg/kg dry	0.173	0.346	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	10/15/2021 13:20	10/18/2021 11:28	KH
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0433	0.0865	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 11:28	KH
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0433	0.0865	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 11:28	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0433	0.0865	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 11:28	KH
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0433	0.0865	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 11:28	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0433	0.0865	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 11:28	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0433	0.0865	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 11:28	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0433	0.0865	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 11:28	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0433	0.0865	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 11:28	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0433	0.0865	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 11:28	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0433	0.0865	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 11:28	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0433	0.0865	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 11:28	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0433	0.0865	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 11:28	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0865	0.173	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 11:28	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0433	0.0865	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 11:28	KH
218-01-9	Chrysene	ND		mg/kg dry	0.0433	0.0865	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 11:28	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0433	0.0865	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 11:28	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0433	0.0865	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 11:28	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0433	0.0865	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 11:28	KH



Sample Information

Client Sample ID: SB03_10-12

York Sample ID: 21J0426-02

York Project (SDG) No.
21J0426

Client Project ID
170695201

Matrix
Soil

Collection Date/Time
October 8, 2021 9:45 am

Date Received
10/08/2021

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0433	0.0865	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 11:28	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0433	0.0865	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 11:28	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0433	0.0865	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 11:28	KH
122-39-4	* Diphenylamine	ND		mg/kg dry	0.0865	0.173	2	EPA 8270D Certifications:	10/15/2021 13:20	10/18/2021 11:28	KH
206-44-0	Fluoranthene	ND		mg/kg dry	0.0433	0.0865	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 11:28	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0433	0.0865	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 11:28	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0433	0.0865	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 11:28	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0433	0.0865	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 11:28	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0433	0.0865	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 11:28	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0433	0.0865	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 11:28	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0433	0.0865	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 11:28	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0433	0.0865	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 11:28	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0433	0.0865	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 11:28	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0433	0.0865	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 11:28	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0433	0.0865	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 11:28	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0433	0.0865	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 11:28	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0433	0.0865	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 11:28	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0433	0.0865	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 11:28	KH
85-01-8	Phenanthrene	ND		mg/kg dry	0.0433	0.0865	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 11:28	KH
108-95-2	Phenol	ND		mg/kg dry	0.0433	0.0865	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 11:28	KH
129-00-0	Pyrene	ND		mg/kg dry	0.0433	0.0865	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 11:28	KH
Surrogate Recoveries		Result	Acceptance Range								



Sample Information

Client Sample ID: SB03_10-12

York Sample ID: 21J0426-02

York Project (SDG) No.
21J0426

Client Project ID
170695201

Matrix
Soil

Collection Date/Time
October 8, 2021 9:45 am

Date Received
10/08/2021

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
367-12-4	Surrogate: SURR: 2-Fluorophenol	64.1 %			20-108						
4165-62-2	Surrogate: SURR: Phenol-d5	62.4 %			23-114						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	75.3 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	59.0 %			21-113						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	77.2 %			19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	65.6 %			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		mg/kg dry	0.00171	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 12:32	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00171	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 12:32	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00171	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 12:32	CM
309-00-2	Aldrin	ND		mg/kg dry	0.00171	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 12:32	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00171	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 12:32	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00171	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	10/15/2021 13:22	10/18/2021 12:32	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00171	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 12:32	CM
57-74-9	Chlordane, total	ND		mg/kg dry	0.0342	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 12:32	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00171	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 12:32	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00171	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 12:32	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00171	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 12:32	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00171	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	10/15/2021 13:22	10/18/2021 12:32	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00171	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 12:32	CM
72-20-8	Endrin	ND		mg/kg dry	0.00171	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 12:32	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00171	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 12:32	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00171	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 12:32	CM



Sample Information

Client Sample ID: SB03_10-12

York Sample ID: 21J0426-02

York Project (SDG) No.
21J0426

Client Project ID
170695201

Matrix
Soil

Collection Date/Time
October 8, 2021 9:45 am

Date Received
10/08/2021

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00171	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 12:32	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00171	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	10/15/2021 13:22	10/18/2021 12:32	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00171	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 12:32	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00171	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 12:32	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00855	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 12:32	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.0866	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 12:32	CM
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	63.6 %								
877-09-8	Surrogate: Tetrachloro-m-xylene	83.8 %								

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	0.0173	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 12:48	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0173	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 12:48	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0173	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 12:48	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0173	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 12:48	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0173	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 12:48	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0173	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 12:48	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0173	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 12:48	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0173	1	EPA 8082A Certifications:	10/15/2021 13:22	10/18/2021 12:48	BJ
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	82.5 %								
2051-24-3	Surrogate: Decachlorobiphenyl	54.0 %								

Metals, Target Analyte

Log-in Notes:

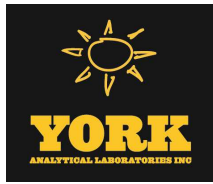
Sample Notes:

120 RESEARCH DRIVE
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(203) 325-1371

132-02 89th AVENUE
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RICHMOND HILL, NY 11418
ClientServices@yorklab.com



Sample Information

Client Sample ID: SB03_10-12

York Sample ID: 21J0426-02

York Project (SDG) No.

21J0426

Client Project ID

170695201

Matrix

Soil

Collection Date/Time

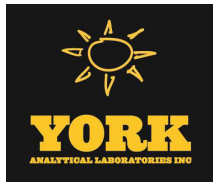
October 8, 2021 9:45 am

Date Received

10/08/2021

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	6230		mg/kg dry	5.24	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:09	10/14/2021 23:02	EM
7440-36-0	Antimony	ND		mg/kg dry	2.62	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:09	10/14/2021 23:02	EM
7440-38-2	Arsenic	ND		mg/kg dry	1.57	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:09	10/14/2021 23:02	EM
7440-39-3	Barium	44.0		mg/kg dry	2.62	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:09	10/14/2021 23:02	EM
7440-41-7	Beryllium	ND		mg/kg dry	0.052	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:09	10/14/2021 23:02	EM
7440-43-9	Cadmium	ND		mg/kg dry	0.314	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:09	10/14/2021 23:02	EM
7440-70-2	Calcium	1430		mg/kg dry	5.24	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:09	10/14/2021 23:02	EM
7440-47-3	Chromium	15.3		mg/kg dry	0.524	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:09	10/14/2021 23:02	EM
7440-48-4	Cobalt	6.69		mg/kg dry	0.419	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:09	10/14/2021 23:02	EM
7440-50-8	Copper	11.9		mg/kg dry	2.09	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:09	10/14/2021 23:02	EM
7439-89-6	Iron	11500		mg/kg dry	26.2	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:09	10/14/2021 23:02	EM
7439-92-1	Lead	9.30		mg/kg dry	0.524	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:09	10/14/2021 23:02	EM
7439-95-4	Magnesium	2250		mg/kg dry	5.24	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:09	10/14/2021 23:02	EM
7439-96-5	Manganese	477		mg/kg dry	0.524	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:09	10/14/2021 23:02	EM
7440-02-0	Nickel	40.6		mg/kg dry	1.05	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:09	10/14/2021 23:02	EM
7440-09-7	Potassium	1160		mg/kg dry	5.24	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:09	10/14/2021 23:02	EM
7782-49-2	Selenium	ND		mg/kg dry	2.62	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:09	10/14/2021 23:02	EM
7440-22-4	Silver	ND		mg/kg dry	0.524	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:09	10/14/2021 23:02	EM
7440-23-5	Sodium	132		mg/kg dry	52.4	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:09	10/14/2021 23:02	EM
7440-28-0	Thallium	ND		mg/kg dry	2.62	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:09	10/14/2021 23:02	EM
7440-62-2	Vanadium	14.6		mg/kg dry	1.05	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:09	10/14/2021 23:02	EM
7440-66-6	Zinc	17.9		mg/kg dry	2.62	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:09	10/14/2021 23:02	EM



Sample Information

Client Sample ID: SB03_10-12

York Sample ID: 21J0426-02

York Project (SDG) No.

21J0426

Client Project ID

170695201

Matrix

Soil

Collection Date/Time

October 8, 2021 9:45 am

Date Received

10/08/2021

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.0740		mg/kg dry	0.0314	1	EPA 7473	10/15/2021 10:13	10/15/2021 15:47	BR
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.524	1	EPA 7196A	10/12/2021 14:10	10/12/2021 20:26	ZTS
							Certifications:	NJDEP,CTDOH,NELAC-NY10854,PADEP		

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	15.3		mg/kg	0.500	1	Calculation	10/15/2021 12:51	10/18/2021 14:26	PAM
							Certifications:			

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	95.5		%	0.100	1	SM 2540G	10/15/2021 15:56	10/18/2021 09:38	TAJ
							Certifications:	CTDOH		



Sample Information

Client Sample ID: SB03_1-3

York Sample ID: 21J0426-03

York Project (SDG) No.

21J0426

Client Project ID

170695201

Matrix

Soil

Collection Date/Time

October 8, 2021 10:25 am

Date Received

10/08/2021

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		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:51	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:51	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:51	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	10/13/2021 12:00	10/14/2021 04:51	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:51	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:51	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:51	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:51	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	10/13/2021 12:00	10/14/2021 04:51	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:51	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:51	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:51	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:51	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:51	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:51	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:51	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:51	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:51	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:51	BMC
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.062	0.12	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:51	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:51	BMC



Sample Information

Client Sample ID: SB03_1-3

York Sample ID: 21J0426-03

York Project (SDG) No.
21J0426

Client Project ID
170695201

Matrix
Soil

Collection Date/Time
October 8, 2021 10:25 am

Date Received
10/08/2021

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
591-78-6	2-Hexanone	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:51	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:51	BMC
67-64-1	Acetone	ND		mg/kg dry	0.0062	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:51	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0062	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:51	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:51	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:51	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:51	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:51	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:51	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:51	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:51	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:51	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:51	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:51	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:51	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:51	BMC
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:51	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:51	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:51	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:51	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:51	BMC
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:51	BMC



Sample Information

Client Sample ID: SB03_1-3

York Sample ID: 21J0426-03

York Project (SDG) No.

21J0426

Client Project ID

170695201

Matrix

Soil

Collection Date/Time

October 8, 2021 10:25 am

Date Received

10/08/2021

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
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:51	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:51	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:51	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:51	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:51	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:51	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.0062	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:51	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:51	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:51	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:51	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0062	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:51	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:51	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:51	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:51	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:51	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:51	BMC
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:51	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:51	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:51	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:51	BMC
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH	10/13/2021 12:00	10/14/2021 04:51	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:51	BMC

120 RESEARCH DRIVE

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Sample Information

Client Sample ID: SB03_1-3

York Sample ID: 21J0426-03

York Project (SDG) No.

21J0426

Client Project ID

170695201

Matrix

Soil

Collection Date/Time

October 8, 2021 10:25 am

Date Received

10/08/2021

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
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:51	BMC
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 04:51	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0092	0.018	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	10/13/2021 12:00	10/14/2021 04:51	BMC
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	115 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	106 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	98.9 %	76-130								

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:00	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0953	0.190	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:00	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:00	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	10/15/2021 13:20	10/18/2021 12:00	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:00	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	10/15/2021 13:20	10/18/2021 12:00	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	10/15/2021 13:20	10/18/2021 12:00	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0953	0.190	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:00	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:00	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:00	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:00	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:00	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0953	0.190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:00	KH



Sample Information

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York Sample ID: 21J0426-03

York Project (SDG) No.
21J0426

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October 8, 2021 10:25 am

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Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:00	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:00	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:00	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:00	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:00	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:00	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0953	0.190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:00	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:00	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:00	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:00	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0953	0.190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:00	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0953	0.190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:00	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:00	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:00	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:00	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:00	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0953	0.190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:00	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0953	0.190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:00	KH
83-32-9	Acenaphthene	0.126		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:00	KH
208-96-8	Acenaphthylene	0.162		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:00	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:00	KH
62-53-3	Aniline	ND		mg/kg dry	0.191	0.382	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:00	KH



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Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-12-7	Anthracene	0.467		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:00	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:00	KH
100-52-7	Benzaldehyde	0.114		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:00	KH
92-87-5	Benzidine	ND		mg/kg dry	0.191	0.382	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	10/15/2021 13:20	10/18/2021 12:00	KH
56-55-3	Benzo(a)anthracene	1.28		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:00	KH
50-32-8	Benzo(a)pyrene	0.909	CCV-E	mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:00	KH
205-99-2	Benzo(b)fluoranthene	0.790	CCV-E	mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:00	KH
191-24-2	Benzo(g,h,i)perylene	0.875		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:00	KH
207-08-9	Benzo(k)fluoranthene	0.829	CCV-E	mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:00	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:00	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:00	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:00	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:00	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:00	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:00	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:00	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0953	0.190	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:00	KH
86-74-8	Carbazole	0.222		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:00	KH
218-01-9	Chrysene	1.23		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:00	KH
53-70-3	Dibenzo(a,h)anthracene	0.293		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:00	KH
132-64-9	Dibenzofuran	0.104		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:00	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:00	KH

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Sample Information

Client Sample ID: SB03_1-3

York Sample ID: 21J0426-03

York Project (SDG) No.
21J0426

Client Project ID
170695201

Matrix
Soil

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October 8, 2021 10:25 am

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Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:00	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:00	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:00	KH
122-39-4	* Diphenylamine	ND		mg/kg dry	0.0953	0.190	2	EPA 8270D Certifications:	10/15/2021 13:20	10/18/2021 12:00	KH
206-44-0	Fluoranthene	2.93		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:00	KH
86-73-7	Fluorene	0.158		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:00	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:00	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:00	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:00	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:00	KH
193-39-5	Indeno(1,2,3-cd)pyrene	0.804		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:00	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:00	KH
91-20-3	Naphthalene	0.0564	J	mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:00	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:00	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:00	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:00	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:00	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:00	KH
85-01-8	Phenanthrene	2.20		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:00	KH
108-95-2	Phenol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:00	KH
129-00-0	Pyrene	6.34		mg/kg dry	0.239	0.477	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:22	KH
Surrogate Recoveries		Result	Acceptance Range								



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Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
367-12-4	Surrogate: SURR: 2-Fluorophenol	51.9 %			20-108						
4165-62-2	Surrogate: SURR: Phenol-d5	53.2 %			23-114						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	64.0 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	50.1 %			21-113						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	64.0 %			19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	88.2 %			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		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 12:49	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 12:49	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 12:49	CM
309-00-2	Aldrin	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 12:49	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 12:49	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	10/15/2021 13:22	10/18/2021 12:49	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 12:49	CM
57-74-9	Chlordane, total	ND		mg/kg dry	0.0378	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 12:49	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 12:49	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 12:49	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 12:49	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	10/15/2021 13:22	10/18/2021 12:49	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 12:49	CM
72-20-8	Endrin	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 12:49	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 12:49	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 12:49	CM



Sample Information

Client Sample ID: SB03_1-3

York Sample ID: 21J0426-03

York Project (SDG) No.
21J0426

Client Project ID
170695201

Matrix
Soil

Collection Date/Time
October 8, 2021 10:25 am

Date Received
10/08/2021

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 12:49	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	10/15/2021 13:22	10/18/2021 12:49	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 12:49	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 12:49	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00946	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 12:49	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.0957	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 12:49	CM
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	60.7 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	56.1 %	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
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0191	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 13:02	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0191	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 13:02	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0191	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 13:02	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0191	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 13:02	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0191	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 13:02	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0191	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 13:02	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0191	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 13:02	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0191	1	EPA 8082A Certifications:	10/15/2021 13:22	10/18/2021 13:02	BJ
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	63.0 %	30-140							
2051-24-3	Surrogate: Decachlorobiphenyl	40.0 %	30-140							

Lead TCLP by EPA 6010

Log-in Notes:

Sample Notes:

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Sample Information

Client Sample ID: SB03_1-3

York Sample ID: 21J0426-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21J0426

170695201

Soil

October 8, 2021 10:25 am

10/08/2021

Sample Prepared by Method: EPA 3015A/1311

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	3.18		mg/L	0.125	1	EPA 6010D/1311 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/02/2021 07:40	11/02/2021 14:34	RTH

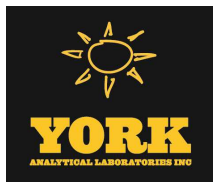
Metals, Target Analyte

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	6970		mg/kg dry	5.79	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 21:01	EM
7440-36-0	Antimony	ND		mg/kg dry	2.89	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 21:01	EM
7440-38-2	Arsenic	3.57		mg/kg dry	1.74	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 21:01	EM
7440-39-3	Barium	395		mg/kg dry	2.89	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 21:01	EM
7440-41-7	Beryllium	ND		mg/kg dry	0.058	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 21:01	EM
7440-43-9	Cadmium	0.884		mg/kg dry	0.347	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 21:01	EM
7440-70-2	Calcium	13000	B	mg/kg dry	5.79	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 21:01	EM
7440-47-3	Chromium	17.1		mg/kg dry	0.579	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 21:01	EM
7440-48-4	Cobalt	4.82		mg/kg dry	0.463	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 21:01	EM
7440-50-8	Copper	110		mg/kg dry	2.32	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 21:01	EM
7439-89-6	Iron	10600		mg/kg dry	28.9	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 21:01	EM
7439-92-1	Lead	3700		mg/kg dry	0.579	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 21:01	EM
7439-95-4	Magnesium	3390		mg/kg dry	5.79	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 21:01	EM
7439-96-5	Manganese	197		mg/kg dry	0.579	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 21:01	EM
7440-02-0	Nickel	23.0		mg/kg dry	1.16	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 21:01	EM
7440-09-7	Potassium	939		mg/kg dry	5.79	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 21:01	EM
7782-49-2	Selenium	ND		mg/kg dry	2.89	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 21:01	EM
7440-22-4	Silver	1.94		mg/kg dry	0.579	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 21:01	EM
7440-23-5	Sodium	192		mg/kg dry	57.9	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 21:01	EM



Sample Information

Client Sample ID: SB03_1-3

York Sample ID: 21J0426-03

York Project (SDG) No.

21J0426

Client Project ID

170695201

Matrix

Soil

Collection Date/Time

October 8, 2021 10:25 am

Date Received

10/08/2021

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-28-0	Thallium	ND		mg/kg dry	2.89	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 21:01	EM
7440-62-2	Vanadium	15.2		mg/kg dry	1.16	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 21:01	EM
7440-66-6	Zinc	326		mg/kg dry	2.89	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 21:01	EM

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	2.18		mg/kg dry	0.0347	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	10/18/2021 12:53	10/18/2021 15:37	BR

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.579	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	10/12/2021 14:10	10/12/2021 20:26	ZTS

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	17.1		mg/kg	0.500	1	Calculation Certifications:	10/15/2021 12:51	10/18/2021 14:26	PAM

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	86.4		%	0.100	1	SM 2540G Certifications: CTDOH	10/15/2021 15:56	10/18/2021 09:38	TAJ

TCLP Extraction for METALS EPA 1311

Log-in Notes:

Sample Notes: EXT-Temp

Sample Prepared by Method: EPA SW 846-1311 TCLP ext. for metals

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	TCLP Extraction	Completed		N/A	1.00	1	EPA 1311 Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	11/01/2021 16:16	11/02/2021 13:33	TAJ

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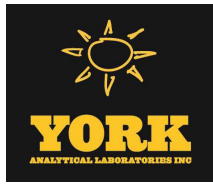


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Sample Information

Client Sample ID: SB03_1-3

York Sample ID: 21J0426-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21J0426

170695201

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October 8, 2021 10:25 am

10/08/2021



Sample Information

Client Sample ID: SB04_2-4

York Sample ID: 21J0426-04

York Project (SDG) No.

Client Project ID

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Collection Date/Time

Date Received

21J0426

170695201

Soil

October 8, 2021 11:35 am

10/08/2021

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		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 05:17	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 05:17	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 05:17	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	10/13/2021 12:00	10/14/2021 05:17	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 05:17	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 05:17	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 05:17	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 05:17	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	10/13/2021 12:00	10/14/2021 05:17	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 05:17	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 05:17	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 05:17	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 05:17	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 05:17	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 05:17	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 05:17	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 05:17	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 05:17	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 05:17	BMC
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.055	0.11	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 05:17	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 05:17	BMC



Sample Information

Client Sample ID: SB04_2-4

York Sample ID: 21J0426-04

York Project (SDG) No.
21J0426

Client Project ID
170695201

Matrix
Soil

Collection Date/Time
October 8, 2021 11:35 am

Date Received
10/08/2021

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
591-78-6	2-Hexanone	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 05:17	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 05:17	BMC
67-64-1	Acetone	ND		mg/kg dry	0.0055	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 05:17	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0055	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 05:17	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 05:17	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 05:17	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 05:17	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 05:17	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 05:17	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 05:17	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 05:17	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 05:17	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 05:17	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 05:17	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 05:17	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 05:17	BMC
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 05:17	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 05:17	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 05:17	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 05:17	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 05:17	BMC
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 05:17	BMC



Sample Information

Client Sample ID: SB04_2-4

York Sample ID: 21J0426-04

York Project (SDG) No.

21J0426

Client Project ID

170695201

Matrix

Soil

Collection Date/Time

October 8, 2021 11:35 am

Date Received

10/08/2021

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
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 05:17	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 05:17	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 05:17	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 05:17	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 05:17	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 05:17	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.0055	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 05:17	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 05:17	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 05:17	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 05:17	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0055	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 05:17	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 05:17	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 05:17	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 05:17	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 05:17	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 05:17	BMC
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 05:17	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 05:17	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 05:17	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 05:17	BMC
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH	10/13/2021 12:00	10/14/2021 05:17	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 05:17	BMC

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Sample Information

Client Sample ID: SB04_2-4

York Sample ID: 21J0426-04

York Project (SDG) No.
21J0426

Client Project ID
170695201

Matrix
Soil

Collection Date/Time
October 8, 2021 11:35 am

Date Received
10/08/2021

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
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 05:17	BMC
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 05:17	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0082	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	10/13/2021 12:00	10/14/2021 05:17	BMC
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	114 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	107 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	98.5 %			76-130						

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:31	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0948	0.189	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:31	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:31	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	10/15/2021 13:20	10/18/2021 12:31	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:31	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	10/15/2021 13:20	10/18/2021 12:31	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	10/15/2021 13:20	10/18/2021 12:31	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0948	0.189	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:31	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:31	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:31	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:31	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:31	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0948	0.189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:31	KH



Sample Information

Client Sample ID: SB04_2-4

York Sample ID: 21J0426-04

York Project (SDG) No.
21J0426

Client Project ID
170695201

Matrix
Soil

Collection Date/Time
October 8, 2021 11:35 am

Date Received
10/08/2021

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:31	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:31	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:31	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:31	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:31	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:31	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0948	0.189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:31	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:31	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:31	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:31	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0948	0.189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:31	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0948	0.189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:31	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:31	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:31	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:31	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:31	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0948	0.189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:31	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0948	0.189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:31	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:31	KH
208-96-8	Acenaphthylene	0.120		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:31	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:31	KH
62-53-3	Aniline	ND		mg/kg dry	0.190	0.380	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:31	KH



Sample Information

Client Sample ID: SB04_2-4

York Sample ID: 21J0426-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21J0426

170695201

Soil

October 8, 2021 11:35 am

10/08/2021

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-12-7	Anthracene	0.255		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:31	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:31	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:31	KH
92-87-5	Benzidine	ND		mg/kg dry	0.190	0.380	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	10/15/2021 13:20	10/18/2021 12:31	KH
56-55-3	Benzo(a)anthracene	0.758		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:31	KH
50-32-8	Benzo(a)pyrene	0.764	CCV-E	mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:31	KH
205-99-2	Benzo(b)fluoranthene	0.533	CCV-E	mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:31	KH
191-24-2	Benzo(g,h,i)perylene	0.422		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:31	KH
207-08-9	Benzo(k)fluoranthene	0.558	CCV-E	mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:31	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:31	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:31	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:31	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:31	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:31	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:31	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:31	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0948	0.189	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:31	KH
86-74-8	Carbazole	0.0553	J	mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:31	KH
218-01-9	Chrysene	0.735		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:31	KH
53-70-3	Dibenzo(a,h)anthracene	0.137		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:31	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:31	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:31	KH



Sample Information

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York Sample ID: 21J0426-04

York Project (SDG) No.
21J0426

Client Project ID
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Matrix
Soil

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October 8, 2021 11:35 am

Date Received
10/08/2021

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:31	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:31	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:31	KH
122-39-4	* Diphenylamine	ND		mg/kg dry	0.0948	0.189	2	EPA 8270D Certifications:	10/15/2021 13:20	10/18/2021 12:31	KH
206-44-0	Fluoranthene	1.08		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:31	KH
86-73-7	Fluorene	0.0727	J	mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:31	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:31	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:31	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:31	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:31	KH
193-39-5	Indeno(1,2,3-cd)pyrene	0.343		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:31	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:31	KH
91-20-3	Naphthalene	0.0598	J	mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:31	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:31	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:31	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:31	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:31	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:31	KH
85-01-8	Phenanthrene	0.696		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:31	KH
108-95-2	Phenol	ND		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:31	KH
129-00-0	Pyrene	1.92		mg/kg dry	0.0475	0.0948	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 12:31	KH
Surrogate Recoveries		Result	Acceptance Range								



Sample Information

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Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
367-12-4	Surrogate: SURR: 2-Fluorophenol	30.8 %			20-108						
4165-62-2	Surrogate: SURR: Phenol-d5	39.2 %			23-114						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	44.1 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	39.8 %			21-113						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	29.6 %			19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	55.7 %			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		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 13:23	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 13:23	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 13:23	CM
309-00-2	Aldrin	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 13:23	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 13:23	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	10/15/2021 13:22	10/18/2021 13:23	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 13:23	CM
57-74-9	Chlordane, total	ND		mg/kg dry	0.0376	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 13:23	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 13:23	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 13:23	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 13:23	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	10/15/2021 13:22	10/18/2021 13:23	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 13:23	CM
72-20-8	Endrin	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 13:23	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 13:23	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 13:23	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
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 13:23	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	10/15/2021 13:22	10/18/2021 13:23	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 13:23	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 13:23	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00941	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 13:23	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.0952	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 13:23	CM
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	53.7 %					30-150			
877-09-8	Surrogate: Tetrachloro-m-xylene	58.9 %					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
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 13:15	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 13:15	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 13:15	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 13:15	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 13:15	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 13:15	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 13:15	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications:	10/15/2021 13:22	10/18/2021 13:15	BJ
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	65.0 %					30-140			
2051-24-3	Surrogate: Decachlorobiphenyl	43.0 %					30-140			

Metals, Target Analyte

Log-in Notes:

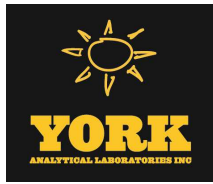
Sample Notes:

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132-02 89th AVENUE
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Sample Information

Client Sample ID: SB04_2-4

York Sample ID: 21J0426-04

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10/08/2021

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	6670		mg/kg dry	5.76	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 21:03	EM
7440-36-0	Antimony	ND		mg/kg dry	2.88	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 21:03	EM
7440-38-2	Arsenic	6.67		mg/kg dry	1.73	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 21:03	EM
7440-39-3	Barium	175		mg/kg dry	2.88	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 21:03	EM
7440-41-7	Beryllium	ND		mg/kg dry	0.058	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 21:03	EM
7440-43-9	Cadmium	0.632		mg/kg dry	0.345	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 21:03	EM
7440-70-2	Calcium	39000	B	mg/kg dry	5.76	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 21:03	EM
7440-47-3	Chromium	15.0		mg/kg dry	0.576	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 21:03	EM
7440-48-4	Cobalt	5.67		mg/kg dry	0.461	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 21:03	EM
7440-50-8	Copper	60.4		mg/kg dry	2.30	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 21:03	EM
7439-89-6	Iron	11400		mg/kg dry	28.8	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 21:03	EM
7439-92-1	Lead	349		mg/kg dry	0.576	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 21:03	EM
7439-95-4	Magnesium	6760		mg/kg dry	5.76	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 21:03	EM
7439-96-5	Manganese	334		mg/kg dry	0.576	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 21:03	EM
7440-02-0	Nickel	20.1		mg/kg dry	1.15	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 21:03	EM
7440-09-7	Potassium	1220		mg/kg dry	5.76	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 21:03	EM
7782-49-2	Selenium	ND		mg/kg dry	2.88	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 21:03	EM
7440-22-4	Silver	0.803		mg/kg dry	0.576	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 21:03	EM
7440-23-5	Sodium	256		mg/kg dry	57.6	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 21:03	EM
7440-28-0	Thallium	ND		mg/kg dry	2.88	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 21:03	EM
7440-62-2	Vanadium	19.5		mg/kg dry	1.15	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 21:03	EM
7440-66-6	Zinc	285		mg/kg dry	2.88	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 21:03	EM



Sample Information

Client Sample ID: SB04_2-4

York Sample ID: 21J0426-04

York Project (SDG) No.
21J0426

Client Project ID
170695201

Matrix
Soil

Collection Date/Time
October 8, 2021 11:35 am

Date Received
10/08/2021

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	1.54		mg/kg dry	0.0345	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	10/18/2021 12:53	10/18/2021 15:47	BR

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.576	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	10/12/2021 14:10	10/12/2021 20:26	ZTS

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	15.0		mg/kg	0.500	1	Calculation Certifications:	10/15/2021 12:51	10/18/2021 14:26	PAM

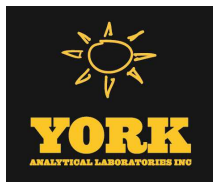
Total Solids

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	86.8		%	0.100	1	SM 2540G Certifications: CTDOH	10/15/2021 15:56	10/18/2021 09:38	TAJ



Sample Information

Client Sample ID: SB04_14-16

York Sample ID: 21J0426-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21J0426

170695201

Soil

October 8, 2021 11:55 am

10/08/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes: VOA-Re

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 02:13	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 02:13	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 02:13	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	10/14/2021 06:56	10/16/2021 02:13	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 02:13	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 02:13	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 02:13	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 02:13	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	10/14/2021 06:56	10/16/2021 02:13	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 02:13	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 02:13	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 02:13	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 02:13	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 02:13	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 02:13	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 02:13	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 02:13	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 02:13	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 02:13	BMC
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.073	0.15	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 02:13	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 02:13	BMC



Sample Information

Client Sample ID: SB04_14-16

York Sample ID: 21J0426-05

York Project (SDG) No.
21J0426

Client Project ID
170695201

Matrix
Soil

Collection Date/Time
October 8, 2021 11:55 am

Date Received
10/08/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes: VOA-Re

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 02:13	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 02:13	BMC
67-64-1	Acetone	0.014	J	mg/kg dry	0.0073	0.015	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 02:13	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0073	0.015	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 02:13	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 02:13	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 02:13	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 02:13	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 02:13	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 02:13	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 02:13	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 02:13	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 02:13	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 02:13	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 02:13	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 02:13	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 02:13	BMC
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 02:13	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 02:13	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 02:13	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 02:13	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 02:13	BMC
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 02:13	BMC



Sample Information

Client Sample ID: SB04_14-16

York Sample ID: 21J0426-05

York Project (SDG) No.
21J0426

Client Project ID
170695201

Matrix
Soil

Collection Date/Time
October 8, 2021 11:55 am

Date Received
10/08/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes: VOA-Re

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 02:13	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 02:13	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 02:13	BMC
79-20-9	Methyl acetate	0.0067	J	mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 02:13	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 02:13	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 02:13	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.0073	0.015	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 02:13	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 02:13	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 02:13	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 02:13	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0073	0.015	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 02:13	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 02:13	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 02:13	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 02:13	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 02:13	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 02:13	BMC
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 02:13	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 02:13	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 02:13	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 02:13	BMC
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH	10/14/2021 06:56	10/16/2021 02:13	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 02:13	BMC



Sample Information

Client Sample ID: SB04_14-16

York Sample ID: 21J0426-05

York Project (SDG) No.
21J0426

Client Project ID
170695201

Matrix
Soil

Collection Date/Time
October 8, 2021 11:55 am

Date Received
10/08/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes: VOA-Re

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 02:13	BMC
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0037	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 02:13	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.011	0.022	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	10/14/2021 06:56	10/16/2021 02:13	BMC
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	112 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	104 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	101 %	76-130								

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0607	0.121	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:03	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.121	0.242	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:03	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0607	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:03	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0607	0.121	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	10/15/2021 13:20	10/18/2021 13:03	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0607	0.121	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:03	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0607	0.121	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	10/15/2021 13:20	10/18/2021 13:03	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0607	0.121	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	10/15/2021 13:20	10/18/2021 13:03	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.121	0.242	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:03	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0607	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:03	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0607	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:03	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0607	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:03	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0607	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:03	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.121	0.242	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:03	KH



Sample Information

Client Sample ID: SB04_14-16

York Sample ID: 21J0426-05

York Project (SDG) No.
21J0426

Client Project ID
170695201

Matrix
Soil

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October 8, 2021 11:55 am

Date Received
10/08/2021

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0607	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:03	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0607	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:03	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0607	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:03	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0607	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:03	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0607	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:03	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0607	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:03	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.121	0.242	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:03	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0607	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:03	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0607	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:03	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0607	0.121	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:03	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.121	0.242	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:03	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.121	0.242	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:03	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0607	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:03	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0607	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:03	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0607	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:03	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0607	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:03	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.121	0.242	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:03	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.121	0.242	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:03	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0607	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:03	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0607	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:03	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0607	0.121	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:03	KH
62-53-3	Aniline	ND		mg/kg dry	0.243	0.485	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:03	KH



Sample Information

Client Sample ID: SB04_14-16

York Sample ID: 21J0426-05

York Project (SDG) No.

Client Project ID

Matrix

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21J0426

170695201

Soil

October 8, 2021 11:55 am

10/08/2021

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-12-7	Anthracene	ND		mg/kg dry	0.0607	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:03	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0607	0.121	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:03	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0607	0.121	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:03	KH
92-87-5	Benzidine	ND		mg/kg dry	0.243	0.485	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	10/15/2021 13:20	10/18/2021 13:03	KH
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0607	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:03	KH
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0607	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:03	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0607	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:03	KH
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0607	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:03	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0607	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:03	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0607	0.121	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:03	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0607	0.121	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:03	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0607	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:03	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0607	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:03	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0607	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:03	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0607	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:03	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0607	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:03	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.121	0.242	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:03	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0607	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:03	KH
218-01-9	Chrysene	ND		mg/kg dry	0.0607	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:03	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0607	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:03	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0607	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:03	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0607	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:03	KH



Sample Information

Client Sample ID: SB04_14-16

York Sample ID: 21J0426-05

York Project (SDG) No.
21J0426

Client Project ID
170695201

Matrix
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October 8, 2021 11:55 am

Date Received
10/08/2021

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0607	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:03	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0607	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:03	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0607	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:03	KH
122-39-4	* Diphenylamine	ND		mg/kg dry	0.121	0.242	2	EPA 8270D Certifications:	10/15/2021 13:20	10/18/2021 13:03	KH
206-44-0	Fluoranthene	ND		mg/kg dry	0.0607	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:03	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0607	0.121	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:03	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0607	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:03	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0607	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:03	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0607	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:03	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0607	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:03	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0607	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:03	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0607	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:03	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0607	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:03	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0607	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:03	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0607	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:03	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0607	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:03	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0607	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:03	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0607	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:03	KH
85-01-8	Phenanthrene	ND		mg/kg dry	0.0607	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:03	KH
108-95-2	Phenol	ND		mg/kg dry	0.0607	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:03	KH
129-00-0	Pyrene	ND		mg/kg dry	0.0607	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:03	KH
Surrogate Recoveries		Result	Acceptance Range								



Sample Information

Client Sample ID: SB04_14-16

York Sample ID: 21J0426-05

York Project (SDG) No.
21J0426

Client Project ID
170695201

Matrix
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Collection Date/Time
October 8, 2021 11:55 am

Date Received
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Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
367-12-4	Surrogate: SURR: 2-Fluorophenol	50.6 %			20-108						
4165-62-2	Surrogate: SURR: Phenol-d5	49.8 %			23-114						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	55.0 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	45.4 %			21-113						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	64.0 %			19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	57.5 %			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		mg/kg dry	0.00239	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 13:40	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00239	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 13:40	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00239	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 13:40	CM
309-00-2	Aldrin	ND		mg/kg dry	0.00239	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 13:40	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00239	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 13:40	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00239	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	10/15/2021 13:22	10/18/2021 13:40	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00239	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 13:40	CM
57-74-9	Chlordane, total	ND		mg/kg dry	0.0478	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 13:40	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00239	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 13:40	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00239	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 13:40	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00239	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 13:40	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00239	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	10/15/2021 13:22	10/18/2021 13:40	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00239	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 13:40	CM
72-20-8	Endrin	ND		mg/kg dry	0.00239	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 13:40	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00239	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 13:40	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00239	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 13:40	CM



Sample Information

Client Sample ID: SB04_14-16

York Sample ID: 21J0426-05

York Project (SDG) No.

21J0426

Client Project ID

170695201

Matrix

Soil

Collection Date/Time

October 8, 2021 11:55 am

Date Received

10/08/2021

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00239	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 13:40	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00239	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	10/15/2021 13:22	10/18/2021 13:40	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00239	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 13:40	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00239	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 13:40	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.0119	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 13:40	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.121	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 13:40	CM
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	52.0 %					30-150			
877-09-8	Surrogate: Tetrachloro-m-xylene	76.7 %					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
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0241	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 13:29	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0241	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 13:29	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0241	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 13:29	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0241	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 13:29	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0241	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 13:29	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0241	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 13:29	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0241	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 13:29	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0241	1	EPA 8082A Certifications:	10/15/2021 13:22	10/18/2021 13:29	BJ
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	67.0 %					30-140			
2051-24-3	Surrogate: Decachlorobiphenyl	43.0 %					30-140			

Metals, Target Analyte

Log-in Notes:

Sample Notes:

120 RESEARCH DRIVE

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STRATFORD, CT 06615

(203) 325-1371

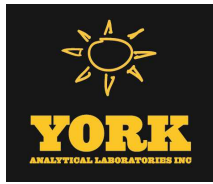


132-02 89th AVENUE

FAX (203) 357-0166

RICHMOND HILL, NY 11418

ClientServices@yorklab.com



Sample Information

Client Sample ID: SB04_14-16

York Sample ID: 21J0426-05

York Project (SDG) No.

21J0426

Client Project ID

170695201

Matrix

Soil

Collection Date/Time

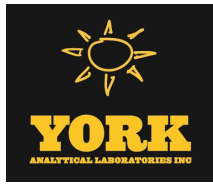
October 8, 2021 11:55 am

Date Received

10/08/2021

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	5290		mg/kg dry	7.34	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 21:06	EM
7440-36-0	Antimony	ND		mg/kg dry	3.67	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 21:06	EM
7440-38-2	Arsenic	2.49		mg/kg dry	2.20	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 21:06	EM
7440-39-3	Barium	54.4		mg/kg dry	3.67	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 21:06	EM
7440-41-7	Beryllium	ND		mg/kg dry	0.073	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 21:06	EM
7440-43-9	Cadmium	ND		mg/kg dry	0.440	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 21:06	EM
7440-70-2	Calcium	13600	B	mg/kg dry	7.34	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 21:06	EM
7440-47-3	Chromium	13.2		mg/kg dry	0.734	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 21:06	EM
7440-48-4	Cobalt	4.55		mg/kg dry	0.587	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 21:06	EM
7440-50-8	Copper	134		mg/kg dry	2.94	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 21:06	EM
7439-89-6	Iron	12300		mg/kg dry	36.7	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 21:06	EM
7439-92-1	Lead	86.5		mg/kg dry	0.734	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 21:06	EM
7439-95-4	Magnesium	8400		mg/kg dry	7.34	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 21:06	EM
7439-96-5	Manganese	137		mg/kg dry	0.734	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 21:06	EM
7440-02-0	Nickel	24.0		mg/kg dry	1.47	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 21:06	EM
7440-09-7	Potassium	1220		mg/kg dry	7.34	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 21:06	EM
7782-49-2	Selenium	ND		mg/kg dry	3.67	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 21:06	EM
7440-22-4	Silver	ND		mg/kg dry	0.734	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 21:06	EM
7440-23-5	Sodium	180		mg/kg dry	73.4	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 21:06	EM
7440-28-0	Thallium	ND		mg/kg dry	3.67	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 21:06	EM
7440-62-2	Vanadium	17.4		mg/kg dry	1.47	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 21:06	EM
7440-66-6	Zinc	60.3		mg/kg dry	3.67	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 21:06	EM



Sample Information

Client Sample ID: SB04_14-16

York Sample ID: 21J0426-05

York Project (SDG) No.

21J0426

Client Project ID

170695201

Matrix

Soil

Collection Date/Time

October 8, 2021 11:55 am

Date Received

10/08/2021

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.0904		mg/kg dry	0.0440	1	EPA 7473	10/18/2021 12:53	10/18/2021 15:59	BR
Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP										

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.734	1	EPA 7196A	10/12/2021 14:10	10/12/2021 20:26	ZTS
Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP										

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	13.2		mg/kg	0.500	1	Calculation	10/15/2021 12:51	10/18/2021 14:26	PAM
Certifications:										

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	68.1		%	0.100	1	SM 2540G	10/15/2021 15:58	10/18/2021 09:31	TAJ
Certifications: CTDOH										



Sample Information

Client Sample ID: SB05_1-3

York Sample ID: 21J0426-06

York Project (SDG) No.

21J0426

Client Project ID

170695201

Matrix

Soil

Collection Date/Time

October 8, 2021 12:30 pm

Date Received

10/08/2021

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		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:09	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:09	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:09	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	10/13/2021 12:00	10/14/2021 06:09	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:09	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:09	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:09	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:09	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	10/13/2021 12:00	10/14/2021 06:09	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:09	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:09	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:09	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:09	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:09	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:09	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:09	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:09	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:09	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:09	BMC
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.044	0.088	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:09	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:09	BMC



Sample Information

Client Sample ID: SB05_1-3

York Sample ID: 21J0426-06

York Project (SDG) No.
21J0426

Client Project ID
170695201

Matrix
Soil

Collection Date/Time
October 8, 2021 12:30 pm

Date Received
10/08/2021

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
591-78-6	2-Hexanone	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:09	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:09	BMC
67-64-1	Acetone	0.049		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:09	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:09	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:09	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:09	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:09	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:09	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:09	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:09	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:09	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:09	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:09	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:09	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:09	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:09	BMC
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:09	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:09	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:09	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:09	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:09	BMC
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:09	BMC



Sample Information

Client Sample ID: SB05_1-3

York Sample ID: 21J0426-06

York Project (SDG) No.

21J0426

Client Project ID

170695201

Matrix

Soil

Collection Date/Time

October 8, 2021 12:30 pm

Date Received

10/08/2021

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
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:09	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:09	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:09	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:09	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:09	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:09	BMC
75-09-2	Methylene chloride	0.0051	J	mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:09	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:09	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:09	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:09	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:09	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:09	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:09	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:09	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:09	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:09	BMC
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:09	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:09	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:09	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:09	BMC
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH	10/13/2021 12:00	10/14/2021 06:09	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:09	BMC

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Sample Information

Client Sample ID: SB05_1-3

York Sample ID: 21J0426-06

York Project (SDG) No.
21J0426

Client Project ID
170695201

Matrix
Soil

Collection Date/Time
October 8, 2021 12:30 pm

Date Received
10/08/2021

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
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:09	BMC
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:09	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0066	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	10/13/2021 12:00	10/14/2021 06:09	BMC
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	113 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	103 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	96.3 %	76-130								

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:34	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0953	0.190	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:34	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:34	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	10/15/2021 13:20	10/18/2021 13:34	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:34	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	10/15/2021 13:20	10/18/2021 13:34	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	10/15/2021 13:20	10/18/2021 13:34	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0953	0.190	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:34	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:34	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:34	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:34	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:34	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0953	0.190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:34	KH



Sample Information

Client Sample ID: SB05_1-3

York Sample ID: 21J0426-06

York Project (SDG) No.
21J0426

Client Project ID
170695201

Matrix
Soil

Collection Date/Time
October 8, 2021 12:30 pm

Date Received
10/08/2021

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:34	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:34	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:34	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:34	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:34	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:34	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0953	0.190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:34	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:34	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:34	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:34	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0953	0.190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:34	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0953	0.190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:34	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:34	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:34	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:34	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:34	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0953	0.190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:34	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0953	0.190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:34	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:34	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:34	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:34	KH
62-53-3	Aniline	ND		mg/kg dry	0.191	0.382	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:34	KH



Sample Information

Client Sample ID: SB05_1-3

York Sample ID: 21J0426-06

York Project (SDG) No.
21J0426

Client Project ID
170695201

Matrix
Soil

Collection Date/Time
October 8, 2021 12:30 pm

Date Received
10/08/2021

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-12-7	Anthracene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:34	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:34	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:34	KH
92-87-5	Benzidine	ND		mg/kg dry	0.191	0.382	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	10/15/2021 13:20	10/18/2021 13:34	KH
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:34	KH
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:34	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:34	KH
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:34	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:34	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:34	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:34	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:34	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:34	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:34	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:34	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:34	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0953	0.190	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:34	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:34	KH
218-01-9	Chrysene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:34	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:34	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:34	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:34	KH



Sample Information

Client Sample ID: SB05_1-3

York Sample ID: 21J0426-06

York Project (SDG) No.
21J0426

Client Project ID
170695201

Matrix
Soil

Collection Date/Time
October 8, 2021 12:30 pm

Date Received
10/08/2021

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:34	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:34	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:34	KH
122-39-4	* Diphenylamine	ND		mg/kg dry	0.0953	0.190	2	EPA 8270D Certifications:	10/15/2021 13:20	10/18/2021 13:34	KH
206-44-0	Fluoranthene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:34	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:34	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:34	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:34	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:34	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:34	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:34	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:34	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:34	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:34	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:34	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:34	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:34	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:34	KH
85-01-8	Phenanthrene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:34	KH
108-95-2	Phenol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:34	KH
129-00-0	Pyrene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 13:34	KH
Surrogate Recoveries		Result	Acceptance Range								



Sample Information

Client Sample ID: SB05_1-3

York Sample ID: 21J0426-06

York Project (SDG) No.
21J0426

Client Project ID
170695201

Matrix
Soil

Collection Date/Time
October 8, 2021 12:30 pm

Date Received
10/08/2021

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
367-12-4	Surrogate: SURR: 2-Fluorophenol	66.4 %			20-108						
4165-62-2	Surrogate: SURR: Phenol-d5	64.8 %			23-114						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	72.5 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	61.7 %			21-113						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	91.6 %			19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	124 %	S-08		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		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 13:57	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 13:57	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 13:57	CM
309-00-2	Aldrin	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 13:57	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 13:57	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	10/15/2021 13:22	10/18/2021 13:57	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 13:57	CM
57-74-9	Chlordane, total	ND		mg/kg dry	0.0377	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 13:57	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 13:57	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 13:57	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 13:57	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	10/15/2021 13:22	10/18/2021 13:57	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 13:57	CM
72-20-8	Endrin	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 13:57	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 13:57	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 13:57	CM



Sample Information

Client Sample ID: SB05_1-3

York Sample ID: 21J0426-06

York Project (SDG) No.

21J0426

Client Project ID

170695201

Matrix

Soil

Collection Date/Time

October 8, 2021 12:30 pm

Date Received

10/08/2021

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 13:57	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	10/15/2021 13:22	10/18/2021 13:57	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 13:57	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 13:57	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00943	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 13:57	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.0954	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 13:57	CM
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	65.0 %								
877-09-8	Surrogate: Tetrachloro-m-xylene	83.8 %								

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	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 13:42	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 13:42	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 13:42	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 13:42	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 13:42	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 13:42	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 13:42	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications:	10/15/2021 13:22	10/18/2021 13:42	BJ
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	83.0 %								
2051-24-3	Surrogate: Decachlorobiphenyl	52.0 %								

Metals, Target Analyte

Log-in Notes:

Sample Notes:

120 RESEARCH DRIVE

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STRATFORD, CT 06615

(203) 325-1371

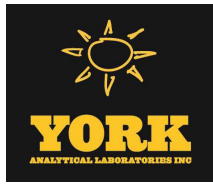


132-02 89th AVENUE

FAX (203) 357-0166

RICHMOND HILL, NY 11418

ClientServices@yorklab.com



Sample Information

Client Sample ID: SB05_1-3

York Sample ID: 21J0426-06

York Project (SDG) No.

21J0426

Client Project ID

170695201

Matrix

Soil

Collection Date/Time

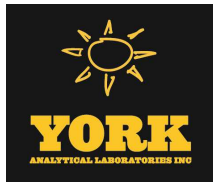
October 8, 2021 12:30 pm

Date Received

10/08/2021

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	5.77	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 20:58	EM
7440-36-0	Antimony	ND		mg/kg dry	2.89	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 20:58	EM
7440-38-2	Arsenic	ND		mg/kg dry	1.73	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 20:58	EM
7440-39-3	Barium	152		mg/kg dry	2.89	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 20:58	EM
7440-41-7	Beryllium	ND		mg/kg dry	0.058	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 20:58	EM
7440-43-9	Cadmium	ND		mg/kg dry	0.346	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 20:58	EM
7440-70-2	Calcium	16600	B	mg/kg dry	5.77	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 20:58	EM
7440-47-3	Chromium	23.5		mg/kg dry	0.577	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 20:58	EM
7440-48-4	Cobalt	10.3		mg/kg dry	0.462	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 20:58	EM
7440-50-8	Copper	17.9		mg/kg dry	2.31	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 20:58	EM
7439-89-6	Iron	20700		mg/kg dry	28.9	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 20:58	EM
7439-92-1	Lead	7.18		mg/kg dry	0.577	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 20:58	EM
7439-95-4	Magnesium	8250		mg/kg dry	5.77	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 20:58	EM
7439-96-5	Manganese	441		mg/kg dry	0.577	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 20:58	EM
7440-02-0	Nickel	32.7		mg/kg dry	1.15	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 20:58	EM
7440-09-7	Potassium	3480		mg/kg dry	5.77	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 20:58	EM
7782-49-2	Selenium	ND		mg/kg dry	2.89	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 20:58	EM
7440-22-4	Silver	ND		mg/kg dry	0.577	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 20:58	EM
7440-23-5	Sodium	270		mg/kg dry	57.7	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 20:58	EM
7440-28-0	Thallium	ND		mg/kg dry	2.89	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 20:58	EM
7440-62-2	Vanadium	26.2		mg/kg dry	1.15	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 20:58	EM
7440-66-6	Zinc	38.1		mg/kg dry	2.89	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 20:58	EM



Sample Information

Client Sample ID: SB05_1-3

York Sample ID: 21J0426-06

York Project (SDG) No.

21J0426

Client Project ID

170695201

Matrix

Soil

Collection Date/Time

October 8, 2021 12:30 pm

Date Received

10/08/2021

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0346	1	EPA 7473	10/18/2021 12:53	10/18/2021 16:08	BR
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.577	1	EPA 7196A	10/12/2021 14:10	10/12/2021 20:26	ZTS
							Certifications:	NJDEP,CTDOH,NELAC-NY10854,PADEP		

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	23.5		mg/kg	0.500	1	Calculation	10/15/2021 12:51	10/18/2021 14:26	PAM
							Certifications:			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	86.6		%	0.100	1	SM 2540G	10/15/2021 15:58	10/18/2021 09:31	TAJ
							Certifications:	CTDOH		



Sample Information

Client Sample ID: SB05_6-8

York Sample ID: 21J0426-07

York Project (SDG) No.
21J0426

Client Project ID
170695201

Matrix
Soil

Collection Date/Time
October 8, 2021 12:40 pm

Date Received
10/08/2021

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		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:35	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:35	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:35	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	10/13/2021 12:00	10/14/2021 06:35	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:35	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:35	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:35	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:35	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	10/13/2021 12:00	10/14/2021 06:35	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:35	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:35	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:35	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:35	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:35	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:35	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:35	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:35	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:35	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:35	BMC
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.063	0.13	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:35	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:35	BMC



Sample Information

Client Sample ID: SB05_6-8

York Sample ID: 21J0426-07

York Project (SDG) No.
21J0426

Client Project ID
170695201

Matrix
Soil

Collection Date/Time
October 8, 2021 12:40 pm

Date Received
10/08/2021

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
591-78-6	2-Hexanone	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:35	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:35	BMC
67-64-1	Acetone	ND		mg/kg dry	0.0063	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:35	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0063	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:35	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:35	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:35	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:35	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:35	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:35	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:35	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:35	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:35	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:35	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:35	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:35	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:35	BMC
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:35	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:35	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:35	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:35	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:35	BMC
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:35	BMC



Sample Information

Client Sample ID: SB05_6-8

York Sample ID: 21J0426-07

York Project (SDG) No.

21J0426

Client Project ID

170695201

Matrix

Soil

Collection Date/Time

October 8, 2021 12:40 pm

Date Received

10/08/2021

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
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:35	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:35	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:35	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:35	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:35	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:35	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.0063	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:35	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:35	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:35	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:35	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0063	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:35	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:35	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:35	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:35	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:35	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:35	BMC
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:35	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:35	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:35	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:35	BMC
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH	10/13/2021 12:00	10/14/2021 06:35	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:35	BMC

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ClientServices@yorklab.com



Sample Information

Client Sample ID: SB05_6-8

York Sample ID: 21J0426-07

York Project (SDG) No.
21J0426

Client Project ID
170695201

Matrix
Soil

Collection Date/Time
October 8, 2021 12:40 pm

Date Received
10/08/2021

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
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:35	BMC
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0031	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 06:35	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0094	0.019	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	10/13/2021 12:00	10/14/2021 06:35	BMC
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	114 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	104 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	100 %	76-130								

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:06	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0975	0.195	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:06	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:06	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	10/15/2021 13:20	10/18/2021 14:06	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:06	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	10/15/2021 13:20	10/18/2021 14:06	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	10/15/2021 13:20	10/18/2021 14:06	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0975	0.195	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:06	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:06	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:06	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:06	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:06	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0975	0.195	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:06	KH



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Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:06	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:06	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:06	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:06	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:06	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:06	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0975	0.195	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:06	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:06	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:06	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:06	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0975	0.195	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:06	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0975	0.195	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:06	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:06	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:06	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:06	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:06	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0975	0.195	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:06	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0975	0.195	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:06	KH
83-32-9	Acenaphthene	0.0709	J	mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:06	KH
208-96-8	Acenaphthylene	0.646		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:06	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:06	KH
62-53-3	Aniline	ND		mg/kg dry	0.195	0.390	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:06	KH



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Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-12-7	Anthracene	0.704		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:06	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:06	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:06	KH
92-87-5	Benzidine	ND		mg/kg dry	0.195	0.390	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	10/15/2021 13:20	10/18/2021 14:06	KH
56-55-3	Benzo(a)anthracene	1.66		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:06	KH
50-32-8	Benzo(a)pyrene	1.82	CCV-E	mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:06	KH
205-99-2	Benzo(b)fluoranthene	1.29	CCV-E	mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:06	KH
191-24-2	Benzo(g,h,i)perylene	1.22		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:06	KH
207-08-9	Benzo(k)fluoranthene	1.47	CCV-E	mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:06	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:06	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:06	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:06	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:06	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:06	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:06	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:06	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0975	0.195	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:06	KH
86-74-8	Carbazole	0.237		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:06	KH
218-01-9	Chrysene	1.56		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:06	KH
53-70-3	Dibenzo(a,h)anthracene	0.475		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:06	KH
132-64-9	Dibenzofuran	0.0522	J	mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:06	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:06	KH



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Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:06	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:06	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:06	KH
122-39-4	* Diphenylamine	ND		mg/kg dry	0.0975	0.195	2	EPA 8270D Certifications:	10/15/2021 13:20	10/18/2021 14:06	KH
206-44-0	Fluoranthene	2.41		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:06	KH
86-73-7	Fluorene	0.132		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:06	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:06	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:06	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:06	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:06	KH
193-39-5	Indeno(1,2,3-cd)pyrene	1.12		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:06	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:06	KH
91-20-3	Naphthalene	0.0693	J	mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:06	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:06	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:06	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:06	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:06	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:06	KH
85-01-8	Phenanthrene	0.877		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:06	KH
108-95-2	Phenol	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:06	KH
129-00-0	Pyrene	4.45		mg/kg dry	0.122	0.244	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 15:41	KH
Surrogate Recoveries		Result	Acceptance Range								



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Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
367-12-4	Surrogate: SURR: 2-Fluorophenol	24.0 %			20-108						
4165-62-2	Surrogate: SURR: Phenol-d5	27.4 %			23-114						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	32.5 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	26.1 %			21-113						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	19.2 %			19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	48.5 %			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	0.0204		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 14:14	CM
72-55-9	4,4'-DDE	0.0273		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 14:14	CM
50-29-3	4,4'-DDT	0.236		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 14:14	CM
309-00-2	Aldrin	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 14:14	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 14:14	CM
5103-71-9	alpha-Chlordane	0.0317		mg/kg dry	0.00193	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	10/15/2021 13:22	10/18/2021 14:14	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 14:14	CM
57-74-9	Chlordane, total	0.140		mg/kg dry	0.0386	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 14:14	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 14:14	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 14:14	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 14:14	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	10/15/2021 13:22	10/18/2021 14:14	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 14:14	CM
72-20-8	Endrin	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 14:14	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 14:14	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 14:14	CM



Sample Information

Client Sample ID: SB05_6-8

York Sample ID: 21J0426-07

York Project (SDG) No.
21J0426

Client Project ID
170695201

Matrix
Soil

Collection Date/Time
October 8, 2021 12:40 pm

Date Received
10/08/2021

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 14:14	CM
5566-34-7	gamma-Chlordane	0.0293		mg/kg dry	0.00193	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	10/15/2021 13:22	10/18/2021 14:14	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 14:14	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 14:14	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00964	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 14:14	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.0976	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 14:14	CM
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	61.0 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	58.5 %	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
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 13:56	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 13:56	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 13:56	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 13:56	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 13:56	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 13:56	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 13:56	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications:	10/15/2021 13:22	10/18/2021 13:56	BJ
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	53.0 %	30-140							
2051-24-3	Surrogate: Decachlorobiphenyl	51.0 %	30-140							

Metals, Target Analyte

Log-in Notes:

Sample Notes:

120 RESEARCH DRIVE
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132-02 89th AVENUE
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RICHMOND HILL, NY 11418
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Sample Information

Client Sample ID: SB05_6-8

York Sample ID: 21J0426-07

York Project (SDG) No.
21J0426

Client Project ID
170695201

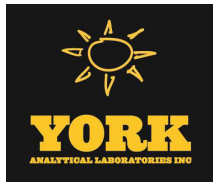
Matrix
Soil

Collection Date/Time
October 8, 2021 12:40 pm

Date Received
10/08/2021

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	4980		mg/kg dry	5.92	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 20:55	EM
7440-36-0	Antimony	ND		mg/kg dry	2.96	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 20:55	EM
7440-38-2	Arsenic	19.1		mg/kg dry	1.78	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 20:55	EM
7440-39-3	Barium	236		mg/kg dry	2.96	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 20:55	EM
7440-41-7	Beryllium	ND		mg/kg dry	0.059	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 20:55	EM
7440-43-9	Cadmium	1.08		mg/kg dry	0.355	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 20:55	EM
7440-70-2	Calcium	26600	B	mg/kg dry	5.92	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 20:55	EM
7440-47-3	Chromium	21.8		mg/kg dry	0.592	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 20:55	EM
7440-48-4	Cobalt	5.20		mg/kg dry	0.474	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 20:55	EM
7440-50-8	Copper	160		mg/kg dry	2.37	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 20:55	EM
7439-89-6	Iron	22200		mg/kg dry	29.6	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 20:55	EM
7439-92-1	Lead	298		mg/kg dry	0.592	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 20:55	EM
7439-95-4	Magnesium	5530		mg/kg dry	5.92	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 20:55	EM
7439-96-5	Manganese	278		mg/kg dry	0.592	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 20:55	EM
7440-02-0	Nickel	20.2		mg/kg dry	1.18	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 20:55	EM
7440-09-7	Potassium	820		mg/kg dry	5.92	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 20:55	EM
7782-49-2	Selenium	ND		mg/kg dry	2.96	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 20:55	EM
7440-22-4	Silver	2.46		mg/kg dry	0.592	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 20:55	EM
7440-23-5	Sodium	364		mg/kg dry	59.2	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 20:55	EM
7440-28-0	Thallium	ND		mg/kg dry	2.96	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 20:55	EM
7440-62-2	Vanadium	20.2		mg/kg dry	1.18	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 20:55	EM
7440-66-6	Zinc	424		mg/kg dry	2.96	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 20:55	EM



Sample Information

Client Sample ID: SB05_6-8

York Sample ID: 21J0426-07

York Project (SDG) No.

21J0426

Client Project ID

170695201

Matrix

Soil

Collection Date/Time

October 8, 2021 12:40 pm

Date Received

10/08/2021

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	3.55		mg/kg dry	0.0355	1	EPA 7473	10/18/2021 12:53	10/18/2021 16:16	BR
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.592	1	EPA 7196A	10/12/2021 14:10	10/12/2021 20:26	ZTS
							Certifications:	NJDEP,CTDOH,NELAC-NY10854,PADEP		

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	222		mg/kg	0.500	1	Calculation	10/15/2021 12:51	10/18/2021 14:26	PAM
							Certifications:			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	84.4		%	0.100	1	SM 2540G	10/15/2021 15:58	10/18/2021 09:31	TAJ
							Certifications:	CTDOH		



Sample Information

Client Sample ID: SB06_1-3

York Sample ID: 21J0426-08

York Project (SDG) No.

21J0426

Client Project ID

170695201

Matrix

Soil

Collection Date/Time

October 8, 2021 2:20 pm

Date Received

10/08/2021

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		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:01	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:01	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:01	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	10/13/2021 12:00	10/14/2021 07:01	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:01	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:01	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:01	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:01	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	10/13/2021 12:00	10/14/2021 07:01	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:01	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:01	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:01	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:01	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:01	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:01	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:01	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:01	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:01	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:01	BMC
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.050	0.10	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:01	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:01	BMC



Sample Information

Client Sample ID: SB06_1-3

York Sample ID: 21J0426-08

York Project (SDG) No.
21J0426

Client Project ID
170695201

Matrix
Soil

Collection Date/Time
October 8, 2021 2:20 pm

Date Received
10/08/2021

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
591-78-6	2-Hexanone	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:01	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:01	BMC
67-64-1	Acetone	0.053		mg/kg dry	0.0050	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:01	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0050	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:01	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:01	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:01	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:01	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:01	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:01	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:01	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:01	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:01	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:01	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:01	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:01	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:01	BMC
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:01	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:01	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:01	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:01	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:01	BMC
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:01	BMC



Sample Information

Client Sample ID: SB06_1-3

York Sample ID: 21J0426-08

York Project (SDG) No.
21J0426

Client Project ID
170695201

Matrix
Soil

Collection Date/Time
October 8, 2021 2:20 pm

Date Received
10/08/2021

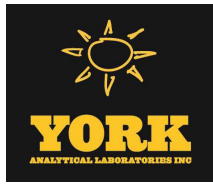
Volatile Organics, 8260 - Comprehensive

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
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:01	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:01	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:01	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:01	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:01	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:01	BMC
75-09-2	Methylene chloride	0.0078	J	mg/kg dry	0.0050	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:01	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:01	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:01	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:01	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0050	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:01	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:01	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:01	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:01	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:01	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:01	BMC
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:01	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:01	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:01	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:01	BMC
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH	10/13/2021 12:00	10/14/2021 07:01	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:01	BMC



Sample Information

Client Sample ID: SB06_1-3

York Sample ID: 21J0426-08

York Project (SDG) No.

21J0426

Client Project ID

170695201

Matrix

Soil

Collection Date/Time

October 8, 2021 2:20 pm

Date Received

10/08/2021

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
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:01	BMC
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:01	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0075	0.015	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	10/13/2021 12:00	10/14/2021 07:01	BMC
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	116 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	104 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	99.2 %	76-130								

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:37	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0921	0.184	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:37	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:37	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	10/15/2021 13:20	10/18/2021 14:37	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:37	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	10/15/2021 13:20	10/18/2021 14:37	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	10/15/2021 13:20	10/18/2021 14:37	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0921	0.184	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:37	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:37	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:37	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:37	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:37	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0921	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:37	KH



Sample Information

Client Sample ID: SB06_1-3

York Sample ID: 21J0426-08

York Project (SDG) No.
21J0426

Client Project ID
170695201

Matrix
Soil

Collection Date/Time
October 8, 2021 2:20 pm

Date Received
10/08/2021

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:37	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:37	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:37	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:37	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:37	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:37	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0921	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:37	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:37	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:37	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:37	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0921	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:37	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0921	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:37	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:37	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:37	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:37	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:37	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0921	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:37	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0921	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:37	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:37	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:37	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:37	KH
62-53-3	Aniline	ND		mg/kg dry	0.184	0.369	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:37	KH



Sample Information

Client Sample ID: SB06_1-3

York Sample ID: 21J0426-08

York Project (SDG) No.
21J0426

Client Project ID
170695201

Matrix
Soil

Collection Date/Time
October 8, 2021 2:20 pm

Date Received
10/08/2021

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-12-7	Anthracene	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:37	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:37	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:37	KH
92-87-5	Benzidine	ND		mg/kg dry	0.184	0.369	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	10/15/2021 13:20	10/18/2021 14:37	KH
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:37	KH
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:37	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:37	KH
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:37	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:37	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:37	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:37	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:37	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:37	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:37	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:37	KH
117-81-7	Bis(2-ethylhexyl)phthalate	0.0670	J	mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:37	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0921	0.184	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:37	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:37	KH
218-01-9	Chrysene	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:37	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:37	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:37	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:37	KH



Sample Information

Client Sample ID: SB06_1-3

York Sample ID: 21J0426-08

York Project (SDG) No.
21J0426

Client Project ID
170695201

Matrix
Soil

Collection Date/Time
October 8, 2021 2:20 pm

Date Received
10/08/2021

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:37	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:37	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:37	KH
122-39-4	* Diphenylamine	ND		mg/kg dry	0.0921	0.184	2	EPA 8270D Certifications:	10/15/2021 13:20	10/18/2021 14:37	KH
206-44-0	Fluoranthene	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:37	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:37	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:37	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:37	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:37	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:37	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:37	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:37	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:37	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:37	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:37	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:37	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:37	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:37	KH
85-01-8	Phenanthrene	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:37	KH
108-95-2	Phenol	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:37	KH
129-00-0	Pyrene	ND		mg/kg dry	0.0462	0.0921	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 14:37	KH
Surrogate Recoveries		Result	Acceptance Range								



Sample Information

Client Sample ID: SB06_1-3

York Sample ID: 21J0426-08

York Project (SDG) No.
21J0426

Client Project ID
170695201

Matrix
Soil

Collection Date/Time
October 8, 2021 2:20 pm

Date Received
10/08/2021

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
367-12-4	Surrogate: SURR: 2-Fluorophenol	25.1 %			20-108						
4165-62-2	Surrogate: SURR: Phenol-d5	33.4 %			23-114						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	37.1 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	34.0 %			21-113						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	11.3 %	S-08		19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	50.9 %			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		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 14:30	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 14:30	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 14:30	CM
309-00-2	Aldrin	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 14:30	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 14:30	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	10/15/2021 13:22	10/18/2021 14:30	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 14:30	CM
57-74-9	Chlordane, total	ND		mg/kg dry	0.0361	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 14:30	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 14:30	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 14:30	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 14:30	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	10/15/2021 13:22	10/18/2021 14:30	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 14:30	CM
72-20-8	Endrin	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 14:30	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 14:30	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 14:30	CM



Sample Information

Client Sample ID: SB06_1-3

York Sample ID: 21J0426-08

York Project (SDG) No.
21J0426

Client Project ID
170695201

Matrix
Soil

Collection Date/Time
October 8, 2021 2:20 pm

Date Received
10/08/2021

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 14:30	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	10/15/2021 13:22	10/18/2021 14:30	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 14:30	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 14:30	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00902	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 14:30	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.0913	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 14:30	CM
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	46.9 %					30-150			
877-09-8	Surrogate: Tetrachloro-m-xylene	53.3 %					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
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 14:10	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 14:10	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 14:10	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 14:10	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 14:10	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 14:10	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 14:10	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications:	10/15/2021 13:22	10/18/2021 14:10	BJ
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	55.0 %					30-140			
2051-24-3	Surrogate: Decachlorobiphenyl	37.5 %					30-140			

Metals, Target Analyte

Log-in Notes:

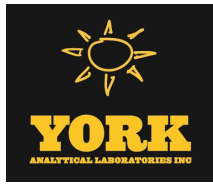
Sample Notes:

120 RESEARCH DRIVE
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132-02 89th AVENUE
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ClientServices@yorklab.com



Sample Information

Client Sample ID: SB06_1-3

York Sample ID: 21J0426-08

York Project (SDG) No.

21J0426

Client Project ID

170695201

Matrix

Soil

Collection Date/Time

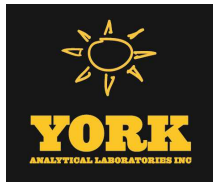
October 8, 2021 2:20 pm

Date Received

10/08/2021

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	7520		mg/kg dry	5.56	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 20:53	EM
7440-36-0	Antimony	ND		mg/kg dry	2.78	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 20:53	EM
7440-38-2	Arsenic	13.0		mg/kg dry	1.67	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 20:53	EM
7440-39-3	Barium	70.1		mg/kg dry	2.78	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 20:53	EM
7440-41-7	Beryllium	ND		mg/kg dry	0.056	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 20:53	EM
7440-43-9	Cadmium	0.469		mg/kg dry	0.334	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 20:53	EM
7440-70-2	Calcium	45200	B	mg/kg dry	5.56	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 20:53	EM
7440-47-3	Chromium	24.3		mg/kg dry	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 20:53	EM
7440-48-4	Cobalt	9.05		mg/kg dry	0.445	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 20:53	EM
7440-50-8	Copper	31.0		mg/kg dry	2.22	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 20:53	EM
7439-89-6	Iron	37200		mg/kg dry	27.8	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 20:53	EM
7439-92-1	Lead	16.5		mg/kg dry	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 20:53	EM
7439-95-4	Magnesium	14300		mg/kg dry	5.56	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 20:53	EM
7439-96-5	Manganese	299		mg/kg dry	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 20:53	EM
7440-02-0	Nickel	41.3		mg/kg dry	1.11	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 20:53	EM
7440-09-7	Potassium	2030		mg/kg dry	5.56	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 20:53	EM
7782-49-2	Selenium	ND		mg/kg dry	2.78	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 20:53	EM
7440-22-4	Silver	ND		mg/kg dry	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 20:53	EM
7440-23-5	Sodium	269		mg/kg dry	55.6	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 20:53	EM
7440-28-0	Thallium	ND		mg/kg dry	2.78	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 20:53	EM
7440-62-2	Vanadium	24.4		mg/kg dry	1.11	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 20:53	EM
7440-66-6	Zinc	84.5		mg/kg dry	2.78	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 20:53	EM



Sample Information

Client Sample ID: SB06_1-3

York Sample ID: 21J0426-08

York Project (SDG) No.

21J0426

Client Project ID

170695201

Matrix

Soil

Collection Date/Time

October 8, 2021 2:20 pm

Date Received

10/08/2021

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0334	1	EPA 7473	10/18/2021 12:53	10/18/2021 16:28	BR
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.556	1	EPA 7196A	10/12/2021 14:10	10/12/2021 20:26	ZTS
							Certifications:	NJDEP,CTDOH,NELAC-NY10854,PADEP		

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	24.3		mg/kg	0.500	1	Calculation	10/15/2021 12:51	10/18/2021 14:26	PAM
							Certifications:			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	89.9		%	0.100	1	SM 2540G	10/15/2021 15:58	10/18/2021 09:31	TAJ
							Certifications:	CTDOH		



Sample Information

Client Sample ID: SB06_14-16

York Sample ID: 21J0426-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21J0426

170695201

Soil

October 8, 2021 2:45 pm

10/08/2021

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		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:27	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:27	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:27	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	10/13/2021 12:00	10/14/2021 07:27	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:27	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:27	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:27	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:27	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	10/13/2021 12:00	10/14/2021 07:27	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:27	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:27	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:27	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:27	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:27	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:27	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:27	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:27	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:27	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:27	BMC
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.039	0.079	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:27	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:27	BMC



Sample Information

Client Sample ID: SB06_14-16

York Sample ID: 21J0426-09

York Project (SDG) No.
21J0426

Client Project ID
170695201

Matrix
Soil

Collection Date/Time
October 8, 2021 2:45 pm

Date Received
10/08/2021

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
591-78-6	2-Hexanone	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:27	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:27	BMC
67-64-1	Acetone	0.012		mg/kg dry	0.0039	0.0079	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:27	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0039	0.0079	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:27	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:27	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:27	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:27	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:27	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:27	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:27	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:27	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:27	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:27	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:27	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:27	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:27	BMC
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:27	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:27	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:27	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:27	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:27	BMC
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:27	BMC



Sample Information

Client Sample ID: SB06_14-16

York Sample ID: 21J0426-09

York Project (SDG) No.

21J0426

Client Project ID

170695201

Matrix

Soil

Collection Date/Time

October 8, 2021 2:45 pm

Date Received

10/08/2021

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
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:27	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:27	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:27	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:27	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:27	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:27	BMC
75-09-2	Methylene chloride	0.0060	J	mg/kg dry	0.0039	0.0079	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:27	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:27	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:27	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:27	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0039	0.0079	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:27	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:27	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:27	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:27	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:27	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:27	BMC
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:27	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:27	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:27	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:27	BMC
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH	10/13/2021 12:00	10/14/2021 07:27	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:27	BMC

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ClientServices@yorklab.com



Sample Information

Client Sample ID: SB06_14-16

York Sample ID: 21J0426-09

York Project (SDG) No.
21J0426

Client Project ID
170695201

Matrix
Soil

Collection Date/Time
October 8, 2021 2:45 pm

Date Received
10/08/2021

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
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:27	BMC
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 12:00	10/14/2021 07:27	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0059	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	10/13/2021 12:00	10/14/2021 07:27	BMC
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	115 %		77-125							
2037-26-5	Surrogate: SURR: Toluene-d8	105 %		85-120							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	99.8 %		76-130							

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0479	0.0955	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 15:09	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0955	0.191	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 15:09	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0479	0.0955	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 15:09	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0479	0.0955	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	10/15/2021 13:20	10/18/2021 15:09	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0479	0.0955	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 15:09	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0479	0.0955	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	10/15/2021 13:20	10/18/2021 15:09	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0479	0.0955	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	10/15/2021 13:20	10/18/2021 15:09	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0955	0.191	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 15:09	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0479	0.0955	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 15:09	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0479	0.0955	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 15:09	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0479	0.0955	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 15:09	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0479	0.0955	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 15:09	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0955	0.191	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 15:09	KH



Sample Information

Client Sample ID: SB06_14-16

York Sample ID: 21J0426-09

York Project (SDG) No.
21J0426

Client Project ID
170695201

Matrix
Soil

Collection Date/Time
October 8, 2021 2:45 pm

Date Received
10/08/2021

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0479	0.0955	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 15:09	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0479	0.0955	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 15:09	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0479	0.0955	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 15:09	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0479	0.0955	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 15:09	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0479	0.0955	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 15:09	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0479	0.0955	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 15:09	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0955	0.191	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 15:09	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0479	0.0955	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 15:09	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0479	0.0955	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 15:09	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0479	0.0955	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 15:09	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0955	0.191	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 15:09	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0955	0.191	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 15:09	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0479	0.0955	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 15:09	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0479	0.0955	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 15:09	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0479	0.0955	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 15:09	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0479	0.0955	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 15:09	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0955	0.191	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 15:09	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0955	0.191	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 15:09	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0479	0.0955	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 15:09	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0479	0.0955	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 15:09	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0479	0.0955	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 15:09	KH
62-53-3	Aniline	ND		mg/kg dry	0.191	0.382	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 15:09	KH



Sample Information

Client Sample ID: SB06_14-16

York Sample ID: 21J0426-09

York Project (SDG) No.
21J0426

Client Project ID
170695201

Matrix
Soil

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October 8, 2021 2:45 pm

Date Received
10/08/2021

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-12-7	Anthracene	ND		mg/kg dry	0.0479	0.0955	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 15:09	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0479	0.0955	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 15:09	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0479	0.0955	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 15:09	KH
92-87-5	Benzidine	ND		mg/kg dry	0.191	0.382	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	10/15/2021 13:20	10/18/2021 15:09	KH
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0479	0.0955	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 15:09	KH
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0479	0.0955	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 15:09	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0479	0.0955	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 15:09	KH
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0479	0.0955	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 15:09	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0479	0.0955	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 15:09	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0479	0.0955	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 15:09	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0479	0.0955	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 15:09	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0479	0.0955	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 15:09	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0479	0.0955	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 15:09	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0479	0.0955	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 15:09	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0479	0.0955	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 15:09	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0479	0.0955	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 15:09	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0955	0.191	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 15:09	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0479	0.0955	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 15:09	KH
218-01-9	Chrysene	ND		mg/kg dry	0.0479	0.0955	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 15:09	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0479	0.0955	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 15:09	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0479	0.0955	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 15:09	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0479	0.0955	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 15:09	KH



Sample Information

Client Sample ID: SB06_14-16

York Sample ID: 21J0426-09

York Project (SDG) No.
21J0426

Client Project ID
170695201

Matrix
Soil

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October 8, 2021 2:45 pm

Date Received
10/08/2021

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0479	0.0955	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 15:09	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0479	0.0955	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 15:09	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0479	0.0955	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 15:09	KH
122-39-4	* Diphenylamine	ND		mg/kg dry	0.0955	0.191	2	EPA 8270D Certifications:	10/15/2021 13:20	10/18/2021 15:09	KH
206-44-0	Fluoranthene	ND		mg/kg dry	0.0479	0.0955	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 15:09	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0479	0.0955	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 15:09	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0479	0.0955	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 15:09	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0479	0.0955	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 15:09	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0479	0.0955	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 15:09	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0479	0.0955	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 15:09	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0479	0.0955	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 15:09	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0479	0.0955	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 15:09	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0479	0.0955	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 15:09	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0479	0.0955	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 15:09	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0479	0.0955	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 15:09	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0479	0.0955	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 15:09	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0479	0.0955	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 15:09	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0479	0.0955	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 15:09	KH
85-01-8	Phenanthrene	ND		mg/kg dry	0.0479	0.0955	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 15:09	KH
108-95-2	Phenol	ND		mg/kg dry	0.0479	0.0955	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 15:09	KH
129-00-0	Pyrene	ND		mg/kg dry	0.0479	0.0955	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:20	10/18/2021 15:09	KH
Surrogate Recoveries		Result	Acceptance Range								



Sample Information

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October 8, 2021 2:45 pm

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10/08/2021

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
367-12-4	Surrogate: SURR: 2-Fluorophenol	57.8 %			20-108						
4165-62-2	Surrogate: SURR: Phenol-d5	57.3 %			23-114						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	61.9 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	54.2 %			21-113						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	78.8 %			19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	86.4 %			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		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 14:47	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 14:47	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 14:47	CM
309-00-2	Aldrin	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 14:47	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 14:47	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	10/15/2021 13:22	10/18/2021 14:47	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 14:47	CM
57-74-9	Chlordane, total	ND		mg/kg dry	0.0377	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 14:47	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 14:47	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 14:47	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 14:47	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	10/15/2021 13:22	10/18/2021 14:47	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 14:47	CM
72-20-8	Endrin	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 14:47	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 14:47	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 14:47	CM



Sample Information

Client Sample ID: SB06_14-16

York Sample ID: 21J0426-09

York Project (SDG) No.
21J0426

Client Project ID
170695201

Matrix
Soil

Collection Date/Time
October 8, 2021 2:45 pm

Date Received
10/08/2021

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 14:47	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	10/15/2021 13:22	10/18/2021 14:47	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 14:47	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 14:47	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00941	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 14:47	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.0953	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 14:47	CM
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	58.0 %								
877-09-8	Surrogate: Tetrachloro-m-xylene	86.9 %								

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	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 14:23	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 14:23	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 14:23	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 14:23	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 14:23	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 14:23	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 14:23	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications:	10/15/2021 13:22	10/18/2021 14:23	BJ
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	85.5 %								
2051-24-3	Surrogate: Decachlorobiphenyl	54.0 %								

Metals, Target Analyte

Log-in Notes:

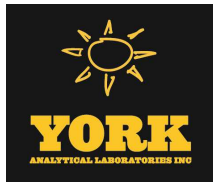
Sample Notes:

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



Sample Information

Client Sample ID: SB06_14-16

York Sample ID: 21J0426-09

York Project (SDG) No.

21J0426

Client Project ID

170695201

Matrix

Soil

Collection Date/Time

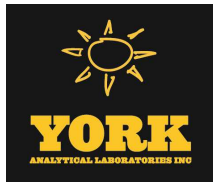
October 8, 2021 2:45 pm

Date Received

10/08/2021

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	4700		mg/kg dry	5.82	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 20:50	EM
7440-36-0	Antimony	ND		mg/kg dry	2.91	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 20:50	EM
7440-38-2	Arsenic	ND		mg/kg dry	1.75	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 20:50	EM
7440-39-3	Barium	35.8		mg/kg dry	2.91	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 20:50	EM
7440-41-7	Beryllium	0.066		mg/kg dry	0.058	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 20:50	EM
7440-43-9	Cadmium	ND		mg/kg dry	0.349	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 20:50	EM
7440-70-2	Calcium	1640	B	mg/kg dry	5.82	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 20:50	EM
7440-47-3	Chromium	11.7		mg/kg dry	0.582	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 20:50	EM
7440-48-4	Cobalt	4.63		mg/kg dry	0.466	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 20:50	EM
7440-50-8	Copper	7.00		mg/kg dry	2.33	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 20:50	EM
7439-89-6	Iron	12600		mg/kg dry	29.1	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 20:50	EM
7439-92-1	Lead	1.77		mg/kg dry	0.582	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 20:50	EM
7439-95-4	Magnesium	2160		mg/kg dry	5.82	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 20:50	EM
7439-96-5	Manganese	61.7		mg/kg dry	0.582	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 20:50	EM
7440-02-0	Nickel	23.4		mg/kg dry	1.16	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 20:50	EM
7440-09-7	Potassium	1410		mg/kg dry	5.82	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 20:50	EM
7782-49-2	Selenium	ND		mg/kg dry	2.91	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 20:50	EM
7440-22-4	Silver	ND		mg/kg dry	0.582	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 20:50	EM
7440-23-5	Sodium	164		mg/kg dry	58.2	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 20:50	EM
7440-28-0	Thallium	ND		mg/kg dry	2.91	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 20:50	EM
7440-62-2	Vanadium	15.8		mg/kg dry	1.16	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 20:50	EM
7440-66-6	Zinc	19.0		mg/kg dry	2.91	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2021 15:15	10/14/2021 20:50	EM



Sample Information

Client Sample ID: SB06_14-16

York Sample ID: 21J0426-09

York Project (SDG) No.

21J0426

Client Project ID

170695201

Matrix

Soil

Collection Date/Time

October 8, 2021 2:45 pm

Date Received

10/08/2021

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	10/18/2021 12:53	10/18/2021 16:37	BR
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.582	1	EPA 7196A	10/12/2021 14:10	10/12/2021 20:26	ZTS
							Certifications:	NJDEP,CTDOH,NELAC-NY10854,PADEP		

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	11.7		mg/kg	0.500	1	Calculation	10/15/2021 12:51	10/18/2021 14:26	PAM
							Certifications:			

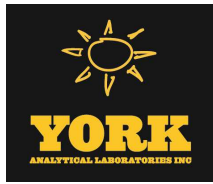
Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	85.9		%	0.100	1	SM 2540G	10/15/2021 15:58	10/18/2021 09:31	TAJ
							Certifications:	CTDOH		



Sample Information

Client Sample ID: SB06_18-20

York Sample ID: 21J0426-10

York Project (SDG) No.

21J0426

Client Project ID

170695201

Matrix

Soil

Collection Date/Time

October 8, 2021 2:55 pm

Date Received

10/08/2021

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.569	1	EPA 7196A	10/12/2021 14:10	10/12/2021 20:26	ZTS
							Certifications:	NJDEP,CTDOH,NELAC-NY10854,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	87.8		%	0.100	1	SM 2540G	10/18/2021 09:51	10/18/2021 13:48	VR
							Certifications:	CTDOH		



Analytical Batch Summary

Batch ID: BJ10669

Preparation Method: EPA SW846-3060

Prepared By: ZTS

YORK Sample ID	Client Sample ID	Preparation Date
21J0426-01	SB03_6-8	10/12/21
21J0426-02	SB03_10-12	10/12/21
21J0426-03	SB03_1-3	10/12/21
21J0426-04	SB04_2-4	10/12/21
21J0426-05	SB04_14-16	10/12/21
21J0426-06	SB05_1-3	10/12/21
21J0426-07	SB05_6-8	10/12/21
21J0426-08	SB06_1-3	10/12/21
21J0426-09	SB06_14-16	10/12/21
21J0426-10	SB06_18-20	10/12/21
BJ10669-BLK1	Blank	10/12/21
BJ10669-DUP1	Duplicate	10/12/21
BJ10669-MS1	Matrix Spike	10/12/21
BJ10669-SRM1	Reference	10/12/21

Batch ID: BJ10688

Preparation Method: EPA 5035A

Prepared By: BMC

YORK Sample ID	Client Sample ID	Preparation Date
21J0426-02	SB03_10-12	10/13/21
21J0426-03	SB03_1-3	10/13/21
21J0426-04	SB04_2-4	10/13/21
21J0426-06	SB05_1-3	10/13/21
21J0426-07	SB05_6-8	10/13/21
21J0426-08	SB06_1-3	10/13/21
21J0426-09	SB06_14-16	10/13/21
BJ10688-BLK1	Blank	10/13/21
BJ10688-BLK2	Blank	10/13/21
BJ10688-BLK3	Blank	10/13/21
BJ10688-BS1	LCS	10/13/21
BJ10688-BSD1	LCS Dup	10/13/21
BJ10688-MS1	Matrix Spike	10/13/21
BJ10688-MSD1	Matrix Spike Dup	10/13/21

Batch ID: BJ10767

Preparation Method: EPA 3050B

Prepared By: K T

YORK Sample ID	Client Sample ID	Preparation Date
21J0426-02	SB03_10-12	10/13/21
BJ10767-BLK1	Blank	10/13/21
BJ10767-DUP1	Duplicate	10/13/21
BJ10767-MS1	Matrix Spike	10/13/21
BJ10767-PS1	Post Spike	10/13/21
BJ10767-SRM1	Reference	10/13/21



Batch ID: BJ10769

Preparation Method: EPA 3050B

Prepared By: K T

YORK Sample ID	Client Sample ID	Preparation Date
21J0426-03	SB03_1-3	10/13/21
21J0426-04	SB04_2-4	10/13/21
21J0426-05	SB04_14-16	10/13/21
21J0426-06	SB05_1-3	10/13/21
21J0426-07	SB05_6-8	10/13/21
21J0426-08	SB06_1-3	10/13/21
21J0426-09	SB06_14-16	10/13/21
BJ10769-BLK1	Blank	10/13/21
BJ10769-DUP1	Duplicate	10/13/21
BJ10769-MS1	Matrix Spike	10/13/21
BJ10769-PS1	Post Spike	10/13/21
BJ10769-SRM1	Reference	10/13/21

Batch ID: BJ10900

Preparation Method: EPA 7473 soil

Prepared By: BR

YORK Sample ID	Client Sample ID	Preparation Date
21J0426-02	SB03_10-12	10/15/21
BJ10900-BLK1	Blank	10/15/21
BJ10900-DUP1	Duplicate	10/15/21
BJ10900-MS1	Matrix Spike	10/15/21
BJ10900-SRM1	Reference	10/15/21

Batch ID: BJ10911

Preparation Method: Analysis Preparation

Prepared By: PAM

YORK Sample ID	Client Sample ID	Preparation Date
21J0426-02	SB03_10-12	10/15/21
21J0426-03	SB03_1-3	10/15/21
21J0426-04	SB04_2-4	10/15/21
21J0426-05	SB04_14-16	10/15/21
21J0426-06	SB05_1-3	10/15/21
21J0426-07	SB05_6-8	10/15/21
21J0426-08	SB06_1-3	10/15/21
21J0426-09	SB06_14-16	10/15/21

Batch ID: BJ10920

Preparation Method: EPA 3546 SVOA

Prepared By: EMS

YORK Sample ID	Client Sample ID	Preparation Date
21J0426-02	SB03_10-12	10/15/21
21J0426-03	SB03_1-3	10/15/21
21J0426-03RE1	SB03_1-3	10/15/21
21J0426-04	SB04_2-4	10/15/21
21J0426-05	SB04_14-16	10/15/21
21J0426-06	SB05_1-3	10/15/21
21J0426-07	SB05_6-8	10/15/21
21J0426-07RE1	SB05_6-8	10/15/21
21J0426-08	SB06_1-3	10/15/21
21J0426-09	SB06_14-16	10/15/21



BJ10920-BLK1	Blank	10/15/21
BJ10920-BS1	LCS	10/15/21

Batch ID: BJ10921	Preparation Method: EPA 3550C	Prepared By: EMS

YORK Sample ID	Client Sample ID	Preparation Date
21J0426-02	SB03_10-12	10/15/21
21J0426-02	SB03_10-12	10/15/21
21J0426-03	SB03_1-3	10/15/21
21J0426-03	SB03_1-3	10/15/21
21J0426-04	SB04_2-4	10/15/21
21J0426-04	SB04_2-4	10/15/21
21J0426-05	SB04_14-16	10/15/21
21J0426-05	SB04_14-16	10/15/21
21J0426-06	SB05_1-3	10/15/21
21J0426-06	SB05_1-3	10/15/21
21J0426-07	SB05_6-8	10/15/21
21J0426-07	SB05_6-8	10/15/21
21J0426-08	SB06_1-3	10/15/21
21J0426-08	SB06_1-3	10/15/21
21J0426-09	SB06_14-16	10/15/21
21J0426-09	SB06_14-16	10/15/21
BJ10921-BLK1	Blank	10/15/21
BJ10921-BLK2	Blank	10/15/21
BJ10921-BS1	LCS	10/15/21
BJ10921-BS2	LCS	10/15/21
BJ10921-MS1	Matrix Spike	10/15/21
BJ10921-MSD1	Matrix Spike Dup	10/15/21

Batch ID: BJ10944	Preparation Method: % Solids Prep	Prepared By: VR

YORK Sample ID	Client Sample ID	Preparation Date
21J0426-02	SB03_10-12	10/15/21
21J0426-03	SB03_1-3	10/15/21
21J0426-04	SB04_2-4	10/15/21
BJ10944-DUP1	Duplicate	10/15/21

Batch ID: BJ10945	Preparation Method: % Solids Prep	Prepared By: VR

YORK Sample ID	Client Sample ID	Preparation Date
21J0426-05	SB04_14-16	10/15/21
21J0426-06	SB05_1-3	10/15/21
21J0426-07	SB05_6-8	10/15/21
21J0426-08	SB06_1-3	10/15/21
21J0426-09	SB06_14-16	10/15/21
BJ10945-DUP1	Duplicate	10/15/21

Batch ID: BJ10964	Preparation Method: EPA 5035A	Prepared By: BMC



YORK Sample ID	Client Sample ID	Preparation Date
21J0426-05	SB04_14-16	10/14/21
BJ10964-BLK1	Blank	10/15/21
BJ10964-BS1	LCS	10/15/21
BJ10964-BSD1	LCS Dup	10/15/21

Batch ID: BJ10987 **Preparation Method:** % Solids Prep **Prepared By:** TAJ

YORK Sample ID	Client Sample ID	Preparation Date
21J0426-01	SB03_6-8	10/18/21
21J0426-10	SB06_18-20	10/18/21
BJ10987-DUP1	Duplicate	10/18/21
BJ10987-DUP2	Duplicate	10/18/21

Batch ID: BJ11000 **Preparation Method:** EPA 7473 soil **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
21J0426-03	SB03_1-3	10/18/21
21J0426-04	SB04_2-4	10/18/21
21J0426-05	SB04_14-16	10/18/21
21J0426-06	SB05_1-3	10/18/21
21J0426-07	SB05_6-8	10/18/21
21J0426-08	SB06_1-3	10/18/21
21J0426-09	SB06_14-16	10/18/21
BJ11000-BLK1	Blank	10/18/21
BJ11000-DUP1	Duplicate	10/18/21
BJ11000-MS1	Matrix Spike	10/18/21
BJ11000-SRM1	Reference	10/18/21

Batch ID: BK10997 **Preparation Method:** EPA SW 846-1311 TCLP ext. for metals **Prepared By:** TAJ

YORK Sample ID	Client Sample ID	Preparation Date
21J0426-03	SB03_1-3	11/01/21
BK10997-BLK1	Blank	11/01/21

Batch ID: BK11043 **Preparation Method:** EPA 3015A/1311 **Prepared By:** EM

YORK Sample ID	Client Sample ID	Preparation Date
21J0426-03	SB03_1-3	11/02/21
BK11043-BLK1	Blank	11/02/21
BK11043-BS1	LCS	11/02/21
BK11043-LBK1	Leach Fluid Blank	11/02/21



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ10688 - EPA 5035A											
Blank (BJ10688-BLK1)	Blank										Prepared: 10/13/2021 Analyzed: 10/14/2021
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BJ10688 - EPA 5035A

Blank (BJ10688-BLK1)	Blank		Prepared: 10/13/2021 Analyzed: 10/14/2021								
n-Butylbenzene	ND	0.0050	mg/kg wet								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
trans-1,4-dichloro-2-butene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	55.4		ug/L	50.0		111	77-125				
Surrogate: SURR: Toluene-d8	52.5		"	50.0		105	85-120				
Surrogate: SURR: p-Bromofluorobenzene	50.4		"	50.0		101	76-130				

Blank (BJ10688-BLK2)	MEOH ML BLANK		Prepared: 10/13/2021 Analyzed: 10/14/2021								
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								



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 BJ10688 - EPA 5035A

Blank (BJ10688-BLK2)		MEOH ML BLANK			Prepared: 10/13/2021 Analyzed: 10/14/2021						
Bromodichloromethane	ND	0.0050	mg/kg wet								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
trans-1,4-dichloro-2-butene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	55.5		ug/L	50.0		111	77-125				
Surrogate: SURR: Toluene-d8	52.4		"	50.0		105	85-120				
Surrogate: SURR: p-Bromofluorobenzene	50.0		"	50.0		100	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BJ10688 - EPA 5035A

Blank (BJ10688-BLK3)	Blank	Prepared: 10/13/2021 Analyzed: 10/14/2021									
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BJ10688 - EPA 5035A

Blank (BJ10688-BLK3)	Blank		Prepared: 10/13/2021 Analyzed: 10/14/2021								
n-Propylbenzene	ND	0.0050	mg/kg wet								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
trans-1,4-dichloro-2-butene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	55.8		ug/L	50.0		112	77-125				
<i>Surrogate: SURR: Toluene-d8</i>	52.5		"	50.0		105	85-120				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	49.3		"	50.0		98.6	76-130				

LCS (BJ10688-BS1)	LCS		Prepared: 10/13/2021 Analyzed: 10/14/2021								
1,1,1,2-Tetrachloroethane	53		ug/L	50.0		105	75-129				
1,1,1-Trichloroethane	51		"	50.0		103	71-137				
1,1,2,2-Tetrachloroethane	50		"	50.0		99.2	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	62		"	50.0		124	58-146				
1,1,2-Trichloroethane	51		"	50.0		102	83-123				
1,1-Dichloroethane	48		"	50.0		95.7	75-130				
1,1-Dichloroethylene	59		"	50.0		119	64-137				
1,2,3-Trichlorobenzene	46		"	50.0		92.6	81-140				
1,2,3-Trichloropropane	52		"	50.0		104	81-126				
1,2,4-Trichlorobenzene	44		"	50.0		88.2	80-141				
1,2,4-Trimethylbenzene	49		"	50.0		98.7	84-125				
1,2-Dibromo-3-chloropropane	48		"	50.0		95.5	74-142				
1,2-Dibromoethane	51		"	50.0		103	86-123				
1,2-Dichlorobenzene	47		"	50.0		93.7	85-122				
1,2-Dichloroethane	55		"	50.0		110	71-133				
1,2-Dichloropropane	50		"	50.0		101	81-122				
1,3,5-Trimethylbenzene	49		"	50.0		97.4	82-126				
1,3-Dichlorobenzene	46		"	50.0		91.0	84-124				
1,4-Dichlorobenzene	45		"	50.0		89.6	84-124				
1,4-Dioxane	940		"	1050		89.8	10-228				
2-Butanone	46		"	50.0		91.9	58-147				
2-Hexanone	49		"	50.0		97.4	70-139				
4-Methyl-2-pentanone	49		"	50.0		97.5	72-132				
Acetone	43		"	50.0		85.1	36-155				
Acrolein	62		"	50.0		125	10-238				
Acrylonitrile	48		"	50.0		95.0	66-141				
Benzene	48		"	50.0		96.1	77-127				
Bromochloromethane	49		"	50.0		98.2	74-129				
Bromodichloromethane	51		"	50.0		102	81-124				



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 BJ10688 - EPA 5035A

LCS (BJ10688-BS1)	LCS	Prepared: 10/13/2021 Analyzed: 10/14/2021									
Bromoform	45	ug/L	50.0	89.6	80-136						
Bromomethane	75	"	50.0	151	32-177						
Carbon disulfide	38	"	50.0	76.9	10-136						
Carbon tetrachloride	54	"	50.0	109	66-143						
Chlorobenzene	50	"	50.0	99.3	86-120						
Chloroethane	66	"	50.0	133	51-142						
Chloroform	50	"	50.0	101	76-131						
Chloromethane	55	"	50.0	111	49-132						
cis-1,2-Dichloroethylene	50	"	50.0	99.4	74-132						
cis-1,3-Dichloropropylene	49	"	50.0	98.3	81-129						
Cyclohexane	46	"	50.0	91.5	70-130						
Dibromochloromethane	53	"	50.0	105	10-200						
Dibromomethane	50	"	50.0	101	83-124						
Dichlorodifluoromethane	50	"	50.0	101	28-158						
Ethyl Benzene	51	"	50.0	102	84-125						
Hexachlorobutadiene	47	"	50.0	93.7	83-133						
Isopropylbenzene	47	"	50.0	95.0	81-127						
Methyl acetate	41	"	50.0	82.5	41-143						
Methyl tert-butyl ether (MTBE)	47	"	50.0	94.2	74-131						
Methylcyclohexane	48	"	50.0	95.5	70-130						
Methylene chloride	53	"	50.0	105	57-141						
n-Butylbenzene	48	"	50.0	95.4	80-130						
n-Propylbenzene	47	"	50.0	94.3	74-136						
o-Xylene	50	"	50.0	100	83-123						
p- & m- Xylenes	100	"	100	102	82-128						
p-Isopropyltoluene	49	"	50.0	98.4	85-125						
sec-Butylbenzene	50	"	50.0	99.0	83-125						
Styrene	49	"	50.0	98.1	86-126						
tert-Butyl alcohol (TBA)	210	"	250	82.7	70-130						
tert-Butylbenzene	48	"	50.0	96.9	80-127						
Tetrachloroethylene	45	"	50.0	89.2	80-129						
Toluene	50	"	50.0	99.6	85-121						
trans-1,2-Dichloroethylene	54	"	50.0	107	72-132						
trans-1,3-Dichloropropylene	49	"	50.0	98.5	78-132						
trans-1,4-dichloro-2-butene	50	"	50.0	99.6	75-135						
Trichloroethylene	51	"	50.0	102	84-123						
Trichlorofluoromethane	61	"	50.0	123	62-140						
Vinyl Chloride	55	"	50.0	111	52-130						
Surrogate: SURRE: 1,2-Dichloroethane-d4	56.6	"	50.0	113	77-125						
Surrogate: SURRE: Toluene-d8	52.1	"	50.0	104	85-120						
Surrogate: SURRE: p-Bromofluorobenzene	48.5	"	50.0	97.0	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 BJ10688 - EPA 5035A											
LCS Dup (BJ10688-BSD1)	LCS Dup		Prepared: 10/13/2021 Analyzed: 10/14/2021								
1,1,1,2-Tetrachloroethane	52		ug/L	50.0		104	75-129		1.47	30	
1,1,1-Trichloroethane	51		"	50.0		102	71-137		0.546	30	
1,1,2,2-Tetrachloroethane	48		"	50.0		96.8	79-129		2.41	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	63		"	50.0		125	58-146		0.945	30	
1,1,2-Trichloroethane	50		"	50.0		99.4	83-123		2.29	30	
1,1-Dichloroethane	48		"	50.0		95.7	75-130		0.0418	30	
1,1-Dichloroethylene	60		"	50.0		120	64-137		1.22	30	
1,2,3-Trichlorobenzene	48		"	50.0		96.0	81-140		3.59	30	
1,2,3-Trichloropropane	51		"	50.0		102	81-126		1.74	30	
1,2,4-Trichlorobenzene	47		"	50.0		94.9	80-141		7.32	30	
1,2,4-Trimethylbenzene	50		"	50.0		99.6	84-125		0.928	30	
1,2-Dibromo-3-chloropropane	47		"	50.0		93.9	74-142		1.69	30	
1,2-Dibromoethane	50		"	50.0		99.6	86-123		3.12	30	
1,2-Dichlorobenzene	47		"	50.0		94.7	85-122		1.06	30	
1,2-Dichloroethane	54		"	50.0		108	71-133		1.18	30	
1,2-Dichloropropane	49		"	50.0		98.0	81-122		2.62	30	
1,3,5-Trimethylbenzene	49		"	50.0		97.8	82-126		0.410	30	
1,3-Dichlorobenzene	47		"	50.0		94.1	84-124		3.29	30	
1,4-Dichlorobenzene	46		"	50.0		92.3	84-124		2.97	30	
1,4-Dioxane	950		"	1050		90.5	10-228		0.779	30	
2-Butanone	40		"	50.0		79.7	58-147		14.2	30	
2-Hexanone	47		"	50.0		93.8	70-139		3.70	30	
4-Methyl-2-pentanone	47		"	50.0		94.8	72-132		2.81	30	
Acetone	41		"	50.0		83.0	36-155		2.55	30	
Acrolein	60		"	50.0		121	10-238		3.03	30	
Acrylonitrile	49		"	50.0		97.8	66-141		2.90	30	
Benzene	48		"	50.0		96.0	77-127		0.125	30	
Bromochloromethane	49		"	50.0		98.6	74-129		0.467	30	
Bromodichloromethane	50		"	50.0		99.8	81-124		1.89	30	
Bromoform	44		"	50.0		87.8	80-136		2.03	30	
Bromomethane	75		"	50.0		149	32-177		1.08	30	
Carbon disulfide	40		"	50.0		79.0	10-136		2.64	30	
Carbon tetrachloride	54		"	50.0		109	66-143		0.147	30	
Chlorobenzene	49		"	50.0		98.4	86-120		0.830	30	
Chloroethane	68		"	50.0		136	51-142		2.74	30	
Chloroform	51		"	50.0		101	76-131		0.535	30	
Chloromethane	56		"	50.0		112	49-132		0.504	30	
cis-1,2-Dichloroethylene	50		"	50.0		100	74-132		0.762	30	
cis-1,3-Dichloropropylene	48		"	50.0		96.0	81-129		2.43	30	
Cyclohexane	45		"	50.0		91.0	70-130		0.526	30	
Dibromochloromethane	51		"	50.0		103	10-200		2.38	30	
Dibromomethane	50		"	50.0		99.5	83-124		1.40	30	
Dichlorodifluoromethane	51		"	50.0		101	28-158		0.554	30	
Ethyl Benzene	51		"	50.0		101	84-125		0.690	30	
Hexachlorobutadiene	47		"	50.0		93.5	83-133		0.171	30	
Isopropylbenzene	47		"	50.0		94.9	81-127		0.0843	30	
Methyl acetate	41		"	50.0		82.2	41-143		0.389	30	
Methyl tert-butyl ether (MTBE)	47		"	50.0		94.6	74-131		0.424	30	
Methylcyclohexane	47		"	50.0		94.0	70-130		1.60	30	
Methylene chloride	53		"	50.0		105	57-141		0.209	30	
n-Butylbenzene	51		"	50.0		101	80-130		6.12	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BJ10688 - EPA 5035A

LCS Dup (BJ10688-BSD1)	LCS Dup	Prepared: 10/13/2021 Analyzed: 10/14/2021									
n-Propylbenzene	47	ug/L	50.0	94.3	74-136	0.00	30				
o-Xylene	49	"	50.0	98.7	83-123	1.41	30				
p- & m- Xylenes	100	"	100	102	82-128	0.186	30				
p-Isopropyltoluene	50	"	50.0	99.2	85-125	0.790	30				
sec-Butylbenzene	50	"	50.0	99.2	83-125	0.202	30				
Styrene	49	"	50.0	98.0	86-126	0.122	30				
tert-Butyl alcohol (TBA)	200	"	250	79.5	70-130	3.90	30				
tert-Butylbenzene	48	"	50.0	95.2	80-127	1.75	30				
Tetrachloroethylene	45	"	50.0	89.0	80-129	0.202	30				
Toluene	49	"	50.0	97.5	85-121	2.09	30				
trans-1,2-Dichloroethylene	54	"	50.0	107	72-132	0.168	30				
trans-1,3-Dichloropropylene	48	"	50.0	96.5	78-132	2.09	30				
trans-1,4-dichloro-2-butene	49	"	50.0	97.3	75-135	2.25	30				
Trichloroethylene	50	"	50.0	100	84-123	1.33	30				
Trichlorofluoromethane	64	"	50.0	127	62-140	3.54	30				
Vinyl Chloride	55	"	50.0	111	52-130	0.217	30				
Surrogate: SURR: 1,2-Dichloroethane-d4	57.4	"	50.0	115	77-125						
Surrogate: SURR: Toluene-d8	51.4	"	50.0	103	85-120						
Surrogate: SURR: p-Bromofluorobenzene	48.4	"	50.0	96.7	76-130						

Matrix Spike (BJ10688-MS1)	Matrix Spike	*Source sample: 21J0354-03 (Matrix Spike) Prepared: 10/13/2021 Analyzed: 10/14/2021									
1,1,1,2-Tetrachloroethane	44	ug/L	50.0	0.0	87.4	15-161					
1,1,1-Trichloroethane	50	"	50.0	0.0	99.8	42-145					
1,1,2,2-Tetrachloroethane	59	"	50.0	0.0	117	16-167					
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	60	"	50.0	0.0	121	11-160					
1,1,2-Trichloroethane	51	"	50.0	0.0	102	44-145					
1,1-Dichloroethane	51	"	50.0	0.0	102	46-142					
1,1-Dichloroethylene	64	"	50.0	0.0	127	30-153					
1,2,3-Trichlorobenzene	16	"	50.0	0.0	32.4	10-157					
1,2,3-Trichloropropane	75	"	50.0	0.0	149	38-155					
1,2,4-Trichlorobenzene	21	"	50.0	0.0	41.4	10-151					
1,2,4-Trimethylbenzene	39	"	50.0	0.0	78.7	10-170					
1,2-Dibromo-3-chloropropane	37	"	50.0	0.0	74.4	36-138					
1,2-Dibromoethane	50	"	50.0	0.0	100	40-142					
1,2-Dichlorobenzene	36	"	50.0	0.0	71.5	10-147					
1,2-Dichloroethane	59	"	50.0	0.0	118	48-133					
1,2-Dichloropropane	52	"	50.0	0.0	104	47-141					
1,3,5-Trimethylbenzene	38	"	50.0	0.0	76.1	10-150					
1,3-Dichlorobenzene	36	"	50.0	0.0	71.5	10-144					
1,4-Dichlorobenzene	35	"	50.0	0.0	70.3	10-160					
1,4-Dioxane	1400	"	1050	0.0	133	10-191					
2-Butanone	65	"	50.0	0.0	130	10-189					
2-Hexanone	61	"	50.0	0.0	123	10-181					
4-Methyl-2-pentanone	60	"	50.0	0.0	120	10-166					
Acetone	99	"	50.0	15	168	10-196					
Acrolein	40	"	50.0	0.0	79.3	10-192					
Acrylonitrile	57	"	50.0	0.0	113	13-161					
Benzene	47	"	50.0	0.0	93.9	43-139					
Bromochloromethane	53	"	50.0	0.0	106	38-145					
Bromodichloromethane	50	"	50.0	0.0	101	38-147					
Bromoform	35	"	50.0	0.0	69.1	29-156					



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 BJ10688 - EPA 5035A

Matrix Spike (BJ10688-MS1)	Matrix Spike	*Source sample: 21J0354-03 (Matrix Spike)					Prepared: 10/13/2021 Analyzed: 10/14/2021				
Bromomethane	83		ug/L	50.0	0.0	166	10-166				
Carbon disulfide	32		"	50.0	0.0	63.7	10-131				
Carbon tetrachloride	49		"	50.0	0.0	97.9	35-145				
Chlorobenzene	41		"	50.0	0.0	82.3	21-154				
Chloroethane	58		"	50.0	0.0	117	15-160				
Chloroform	53		"	50.0	0.0	107	47-142				
Chloromethane	60		"	50.0	0.0	119	10-159				
cis-1,2-Dichloroethylene	52		"	50.0	0.0	104	42-144				
cis-1,3-Dichloropropylene	48		"	50.0	0.0	95.0	18-159				
Cyclohexane	50		"	50.0	0.0	101	70-130				
Dibromochloromethane	46		"	50.0	0.0	92.4	10-179				
Dibromomethane	54		"	50.0	0.0	109	47-143				
Dichlorodifluoromethane	51		"	50.0	0.0	102	10-145				
Ethyl Benzene	41		"	50.0	0.0	81.9	11-158				
Hexachlorobutadiene	18		"	50.0	0.0	35.0	10-158				
Isopropylbenzene	42		"	50.0	0.0	83.7	10-162				
Methyl acetate	57		"	50.0	0.0	115	10-149				
Methyl tert-butyl ether (MTBE)	53		"	50.0	0.0	106	42-152				
Methylcyclohexane	50		"	50.0	9.4	81.1	70-130				
Methylene chloride	57		"	50.0	0.0	113	28-151				
n-Butylbenzene	35		"	50.0	2.8	64.3	10-162				
n-Propylbenzene	41		"	50.0	3.0	76.6	10-155				
o-Xylene	44		"	50.0	4.1	79.8	10-158				
p- & m- Xylenes	80		"	100	0.0	80.5	10-156				
p-Isopropyltoluene	35		"	50.0	0.0	70.8	10-147				
sec-Butylbenzene	41		"	50.0	5.1	72.0	10-157				
Styrene	38		"	50.0	0.0	76.6	13-171				
tert-Butyl alcohol (TBA)	270		"	250	0.0	107	34-179				
tert-Butylbenzene	38		"	50.0	0.0	75.1	10-160				
Tetrachloroethylene	37		"	50.0	0.0	74.5	30-167				
Toluene	45		"	50.0	0.0	90.8	21-160				
trans-1,2-Dichloroethylene	54		"	50.0	0.0	109	29-153				
trans-1,3-Dichloropropylene	47		"	50.0	0.0	93.5	18-155				
trans-1,4-dichloro-2-butene	53		"	50.0	0.0	106	17-154				
Trichloroethylene	50		"	50.0	0.0	99.2	24-169				
Trichlorofluoromethane	61		"	50.0	0.0	123	35-142				
Vinyl Chloride	60		"	50.0	0.0	119	12-160				
Surrogate: SURR: 1,2-Dichloroethane-d4	59.8		"	50.0		120	77-125				
Surrogate: SURR: Toluene-d8	53.4		"	50.0		107	85-120				
Surrogate: SURR: p-Bromofluorobenzene	58.2		"	50.0		116	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	Limit	Flag
Batch BJ10688 - EPA 5035A											
Matrix Spike Dup (BJ10688-A)				Matrix Spike Dup				Source sample: 21J0354-03 (Matrix Spike Dup)			
								Prepared: 10/13/2021 Analyzed: 10/14/2021			
1,1,1,2-Tetrachloroethane	41		ug/L	50.0	0.0	82.4	15-161		5.94	33	
1,1,1-Trichloroethane	46		"	50.0	0.0	92.6	42-145		7.49	30	
1,1,2,2-Tetrachloroethane	60		"	50.0	0.0	120	16-167		2.46	56	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	55		"	50.0	0.0	111	11-160		8.68	31	
1,1,2-Trichloroethane	48		"	50.0	0.0	95.3	44-145		6.60	40	
1,1-Dichloroethane	47		"	50.0	0.0	94.4	46-142		7.57	36	
1,1-Dichloroethylene	57		"	50.0	0.0	115	30-153		10.3	31	
1,2,3-Trichlorobenzene	21		"	50.0	0.0	42.2	10-157		26.3	47	
1,2,3-Trichloropropane	65		"	50.0	0.0	131	38-155		13.4	48	
1,2,4-Trichlorobenzene	25		"	50.0	0.0	50.5	10-151		19.9	52	
1,2,4-Trimethylbenzene	40		"	50.0	0.0	79.5	10-170		0.910	242	
1,2-Dibromo-3-chloropropane	38		"	50.0	0.0	77.0	36-138		3.38	54	
1,2-Dibromoethane	44		"	50.0	0.0	87.8	40-142		13.1	39	
1,2-Dichlorobenzene	34		"	50.0	0.0	67.4	10-147		5.93	52	
1,2-Dichloroethane	51		"	50.0	0.0	102	48-133		14.5	32	
1,2-Dichloropropane	49		"	50.0	0.0	98.6	47-141		4.91	37	
1,3,5-Trimethylbenzene	39		"	50.0	0.0	77.6	10-150		1.93	62	
1,3-Dichlorobenzene	34		"	50.0	0.0	67.6	10-144		5.61	51	
1,4-Dichlorobenzene	33		"	50.0	0.0	66.8	10-160		5.10	52	
1,4-Dioxane	1600		"	1050	0.0	149	10-191		11.6	196	
2-Butanone	63		"	50.0	0.0	126	10-189		3.53	67	
2-Hexanone	61		"	50.0	0.0	122	10-181		0.638	60	
4-Methyl-2-pentanone	62		"	50.0	0.0	124	10-166		3.19	47	
Acetone	87		"	50.0	15	145	10-196		15.1	150	
Acrolein	47		"	50.0	0.0	93.8	10-192		16.8	128	
Acrylonitrile	53		"	50.0	0.0	106	13-161		6.73	48	
Benzene	44		"	50.0	0.0	87.3	43-139		7.27	64	
Bromochloromethane	44		"	50.0	0.0	87.8	38-145		18.7	30	
Bromodichloromethane	47		"	50.0	0.0	94.8	38-147		6.26	37	
Bromoform	32		"	50.0	0.0	64.0	29-156		7.69	51	
Bromomethane	71		"	50.0	0.0	141	10-166		15.7	42	
Carbon disulfide	25		"	50.0	0.0	50.1	10-131		23.8	36	
Carbon tetrachloride	45		"	50.0	0.0	90.9	35-145		7.44	31	
Chlorobenzene	38		"	50.0	0.0	76.6	21-154		7.20	32	
Chloroethane	53		"	50.0	0.0	107	15-160		8.93	40	
Chloroform	48		"	50.0	0.0	96.4	47-142		10.4	29	
Chloromethane	54		"	50.0	0.0	108	10-159		9.56	31	
cis-1,2-Dichloroethylene	44		"	50.0	0.0	88.6	42-144		15.8	30	
cis-1,3-Dichloropropylene	42		"	50.0	0.0	84.8	18-159		11.4	39	
Cyclohexane	44		"	50.0	0.0	87.7	70-130		13.8	30	
Dibromochloromethane	42		"	50.0	0.0	84.4	10-179		9.14	41	
Dibromomethane	44		"	50.0	0.0	87.7	47-143		21.7	41	
Dichlorodifluoromethane	47		"	50.0	0.0	94.2	10-145		7.87	34	
Ethyl Benzene	39		"	50.0	0.0	78.8	11-158		3.88	42	
Hexachlorobutadiene	22		"	50.0	0.0	43.7	10-158		22.1	45	
Isopropylbenzene	41		"	50.0	0.0	82.0	10-162		2.05	57	
Methyl acetate	55		"	50.0	0.0	110	10-149		4.41	64	
Methyl tert-butyl ether (MTBE)	52		"	50.0	0.0	104	42-152		2.10	47	
Methylcyclohexane	48		"	50.0	9.4	77.4	70-130		4.67	30	
Methylene chloride	49		"	50.0	0.0	97.4	28-151		15.0	49	
n-Butylbenzene	42		"	50.0	2.8	79.0	10-162		20.6	96	



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 BJ10688 - EPA 5035A

Matrix Spike Dup (BJ10688-A) Matrix Spike Dup				Source sample: 21J0354-03 (Matrix Spike Dup)				Prepared: 10/13/2021 Analyzed: 10/14/2021			
n-Propylbenzene	41		ug/L	50.0	3.0	76.0	10-155		0.839	56	
o-Xylene	43		"	50.0	4.1	78.5	10-158		1.64	51	
p- & m- Xylenes	79		"	100	0.0	78.8	10-156		2.19	47	
p-Isopropyltoluene	38		"	50.0	0.0	75.4	10-147		6.21	60	
sec-Butylbenzene	43		"	50.0	5.1	76.6	10-157		6.17	56	
Styrene	36		"	50.0	0.0	71.9	13-171		6.39	39	
tert-Butyl alcohol (TBA)	260		"	250	0.0	102	34-179		4.01	35	
tert-Butylbenzene	39		"	50.0	0.0	77.5	10-160		3.14	79	
Tetrachloroethylene	36		"	50.0	0.0	72.7	30-167		2.50	33	
Toluene	43		"	50.0	0.0	85.7	21-160		5.73	50	
trans-1,2-Dichloroethylene	44		"	50.0	0.0	88.7	29-153		20.1	30	
trans-1,3-Dichloropropylene	38		"	50.0	0.0	75.1	18-155		21.9	30	
trans-1,4-dichloro-2-butene	49		"	50.0	0.0	97.3	17-154		8.39	30	
Trichloroethylene	45		"	50.0	0.0	89.7	24-169		10.1	30	
Trichlorofluoromethane	55		"	50.0	0.0	111	35-142		10.1	30	
Vinyl Chloride	53		"	50.0	0.0	106	12-160		12.0	35	
Surrogate: SURR: 1,2-Dichloroethane-d4	59.5		"	50.0		119	77-125				
Surrogate: SURR: Toluene-d8	53.5		"	50.0		107	85-120				
Surrogate: SURR: p-Bromofluorobenzene	55.8		"	50.0		112	76-130				

Batch BJ10964 - EPA 5035A

Blank (BJ10964-BLK1)	Blank	Prepared & Analyzed: 10/15/2021									
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								



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 BJ10964 - EPA 5035A

Blank (BJ10964-BLK1)	Blank	Prepared & Analyzed: 10/15/2021									
Bromodichloromethane	ND	0.0050	mg/kg wet								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
trans-1,4-dichloro-2-butene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	53.7		ug/L	50.0		107	77-125				
Surrogate: SURR: Toluene-d8	52.0		"	50.0		104	85-120				
Surrogate: SURR: p-Bromofluorobenzene	50.0		"	50.0		100	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ10964 - EPA 5035A											
LCS (BJ10964-BS1)	LCS		Prepared & Analyzed: 10/15/2021								
1,1,1,2-Tetrachloroethane	48		ug/L	50.0		95.3	75-129				
1,1,1-Trichloroethane	48		"	50.0		95.2	71-137				
1,1,2,2-Tetrachloroethane	45		"	50.0		90.6	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	62		"	50.0		125	58-146				
1,1,2-Trichloroethane	45		"	50.0		89.9	83-123				
1,1-Dichloroethane	45		"	50.0		89.1	75-130				
1,1-Dichloroethylene	60		"	50.0		121	64-137				
1,2,3-Trichlorobenzene	45		"	50.0		89.6	81-140				
1,2,3-Trichloropropane	47		"	50.0		94.3	81-126				
1,2,4-Trichlorobenzene	46		"	50.0		92.1	80-141				
1,2,4-Trimethylbenzene	49		"	50.0		98.3	84-125				
1,2-Dibromo-3-chloropropane	45		"	50.0		89.3	74-142				
1,2-Dibromoethane	45		"	50.0		89.2	86-123				
1,2-Dichlorobenzene	45		"	50.0		90.4	85-122				
1,2-Dichloroethane	49		"	50.0		97.4	71-133				
1,2-Dichloropropane	47		"	50.0		93.7	81-122				
1,3,5-Trimethylbenzene	49		"	50.0		97.8	82-126				
1,3-Dichlorobenzene	46		"	50.0		91.5	84-124				
1,4-Dichlorobenzene	45		"	50.0		89.6	84-124				
1,4-Dioxane	840		"	1050		80.0	10-228				
2-Butanone	47		"	50.0		93.9	58-147				
2-Hexanone	46		"	50.0		92.2	70-139				
4-Methyl-2-pentanone	45		"	50.0		90.4	72-132				
Acetone	44		"	50.0		87.8	36-155				
Acrolein	79		"	50.0		159	10-238				
Acrylonitrile	45		"	50.0		90.5	66-141				
Benzene	45		"	50.0		90.1	77-127				
Bromochloromethane	45		"	50.0		90.0	74-129				
Bromodichloromethane	47		"	50.0		93.1	81-124				
Bromoform	38		"	50.0		76.2	80-136	Low Bias			
Bromomethane	80		"	50.0		161	32-177				
Carbon disulfide	37		"	50.0		73.4	10-136				
Carbon tetrachloride	52		"	50.0		103	66-143				
Chlorobenzene	47		"	50.0		93.5	86-120				
Chloroethane	64		"	50.0		128	51-142				
Chloroform	47		"	50.0		93.7	76-131				
Chloromethane	60		"	50.0		121	49-132				
cis-1,2-Dichloroethylene	47		"	50.0		93.2	74-132				
cis-1,3-Dichloropropylene	46		"	50.0		91.2	81-129				
Cyclohexane	47		"	50.0		93.2	70-130				
Dibromochloromethane	46		"	50.0		92.0	10-200				
Dibromomethane	46		"	50.0		91.2	83-124				
Dichlorodifluoromethane	66		"	50.0		132	28-158				
Ethyl Benzene	49		"	50.0		98.3	84-125				
Hexachlorobutadiene	48		"	50.0		95.3	83-133				
Isopropylbenzene	47		"	50.0		94.6	81-127				
Methyl acetate	39		"	50.0		78.8	41-143				
Methyl tert-butyl ether (MTBE)	42		"	50.0		83.4	74-131				
Methylcyclohexane	48		"	50.0		96.6	70-130				
Methylene chloride	49		"	50.0		97.2	57-141				
n-Butylbenzene	42		"	50.0		84.0	80-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	Limit	Flag
Batch BJ10964 - EPA 5035A											
LCS (BJ10964-BS1)	LCS		Prepared & Analyzed: 10/15/2021								
n-Propylbenzene	48		ug/L	50.0		95.4	74-136				
o-Xylene	47		"	50.0		94.6	83-123				
p- & m- Xylenes	99		"	100		99.0	82-128				
p-Isopropyltoluene	50		"	50.0		100	85-125				
sec-Butylbenzene	50		"	50.0		100	83-125				
Styrene	47		"	50.0		93.4	86-126				
tert-Butyl alcohol (TBA)	190		"	250		74.8	70-130				
tert-Butylbenzene	48		"	50.0		95.2	80-127				
Tetrachloroethylene	44		"	50.0		87.8	80-129				
Toluene	47		"	50.0		94.2	85-121				
trans-1,2-Dichloroethylene	51		"	50.0		103	72-132				
trans-1,3-Dichloropropylene	45		"	50.0		89.9	78-132				
trans-1,4-dichloro-2-butene	46		"	50.0		92.6	75-135				
Trichloroethylene	49		"	50.0		98.2	84-123				
Trichlorofluoromethane	66		"	50.0		132	62-140				
Vinyl Chloride	60		"	50.0		119	52-130				
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>53.8</i>		<i>"</i>	<i>50.0</i>		<i>108</i>	<i>77-125</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>53.0</i>		<i>"</i>	<i>50.0</i>		<i>106</i>	<i>85-120</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>50.1</i>		<i>"</i>	<i>50.0</i>		<i>100</i>	<i>76-130</i>				
LCS Dup (BJ10964-BS1)	LCS Dup		Prepared & Analyzed: 10/15/2021								
1,1,1,2-Tetrachloroethane	51		ug/L	50.0		101	75-129		5.92	30	
1,1,1-Trichloroethane	53		"	50.0		106	71-137		11.0	30	
1,1,2,2-Tetrachloroethane	46		"	50.0		92.4	79-129		1.95	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	68		"	50.0		135	58-146		8.08	30	
1,1,2-Trichloroethane	47		"	50.0		95.0	83-123		5.47	30	
1,1-Dichloroethane	48		"	50.0		96.8	75-130		8.26	30	
1,1-Dichloroethylene	64		"	50.0		128	64-137		6.17	30	
1,2,3-Trichlorobenzene	48		"	50.0		96.0	81-140		6.94	30	
1,2,3-Trichloropropane	49		"	50.0		97.6	81-126		3.38	30	
1,2,4-Trichlorobenzene	50		"	50.0		99.7	80-141		7.88	30	
1,2,4-Trimethylbenzene	52		"	50.0		105	84-125		6.40	30	
1,2-Dibromo-3-chloropropane	46		"	50.0		91.8	74-142		2.76	30	
1,2-Dibromoethane	47		"	50.0		94.0	86-123		5.26	30	
1,2-Dichlorobenzene	48		"	50.0		96.8	85-122		6.84	30	
1,2-Dichloroethane	51		"	50.0		103	71-133		5.24	30	
1,2-Dichloropropane	48		"	50.0		96.8	81-122		3.19	30	
1,3,5-Trimethylbenzene	52		"	50.0		104	82-126		5.74	30	
1,3-Dichlorobenzene	49		"	50.0		98.7	84-124		7.57	30	
1,4-Dichlorobenzene	48		"	50.0		96.4	84-124		7.33	30	
1,4-Dioxane	920		"	1050		87.3	10-228		8.75	30	
2-Butanone	48		"	50.0		95.2	58-147		1.37	30	
2-Hexanone	47		"	50.0		93.0	70-139		0.864	30	
4-Methyl-2-pentanone	45		"	50.0		90.9	72-132		0.596	30	
Acetone	46		"	50.0		92.7	36-155		5.45	30	
Acrolein	80		"	50.0		160	10-238		0.841	30	
Acrylonitrile	46		"	50.0		92.8	66-141		2.55	30	
Benzene	48		"	50.0		96.8	77-127		7.19	30	
Bromochloromethane	48		"	50.0		95.8	74-129		6.20	30	
Bromodichloromethane	48		"	50.0		96.5	81-124		3.54	30	
Bromoform	41		"	50.0		81.3	80-136		6.50	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ10964 - EPA 5035A											
LCS Dup (BJ10964-BSD1)	LCS Dup		Prepared & Analyzed: 10/15/2021								
Bromomethane	87		ug/L	50.0		174	32-177		7.67	30	
Carbon disulfide	40		"	50.0		80.1	10-136		8.78	30	
Carbon tetrachloride	56		"	50.0		112	66-143		8.44	30	
Chlorobenzene	50		"	50.0		99.1	86-120		5.84	30	
Chloroethane	82		"	50.0		164	51-142	High Bias	24.1	30	
Chloroform	51		"	50.0		101	76-131		7.77	30	
Chloromethane	65		"	50.0		129	49-132		6.82	30	
cis-1,2-Dichloroethylene	50		"	50.0		100	74-132		7.44	30	
cis-1,3-Dichloropropylene	47		"	50.0		94.2	81-129		3.19	30	
Cyclohexane	50		"	50.0		99.3	70-130		6.32	30	
Dibromochloromethane	49		"	50.0		97.9	10-200		6.17	30	
Dibromomethane	48		"	50.0		95.0	83-124		4.10	30	
Dichlorodifluoromethane	72		"	50.0		143	28-158		7.99	30	
Ethyl Benzene	52		"	50.0		104	84-125		5.44	30	
Hexachlorobutadiene	52		"	50.0		105	83-133		9.42	30	
Isopropylbenzene	50		"	50.0		101	81-127		6.47	30	
Methyl acetate	41		"	50.0		81.3	41-143		3.07	30	
Methyl tert-butyl ether (MTBE)	45		"	50.0		89.1	74-131		6.66	30	
Methylcyclohexane	51		"	50.0		102	70-130		5.01	30	
Methylene chloride	51		"	50.0		103	57-141		5.48	30	
n-Butylbenzene	56		"	50.0		113	80-130		29.1	30	
n-Propylbenzene	51		"	50.0		102	74-136		6.31	30	
o-Xylene	50		"	50.0		99.6	83-123		5.19	30	
p- & m- Xylenes	110		"	100		105	82-128		6.19	30	
p-Isopropyltoluene	53		"	50.0		107	85-125		6.29	30	
sec-Butylbenzene	53		"	50.0		106	83-125		5.79	30	
Styrene	49		"	50.0		98.7	86-126		5.54	30	
tert-Butyl alcohol (TBA)	190		"	250		77.3	70-130		3.25	30	
tert-Butylbenzene	51		"	50.0		102	80-127		6.86	30	
Tetrachloroethylene	47		"	50.0		93.7	80-129		6.57	30	
Toluene	50		"	50.0		99.5	85-121		5.47	30	
trans-1,2-Dichloroethylene	55		"	50.0		109	72-132		5.96	30	
trans-1,3-Dichloropropylene	47		"	50.0		93.5	78-132		3.90	30	
trans-1,4-dichloro-2-butene	48		"	50.0		95.3	75-135		2.81	30	
Trichloroethylene	52		"	50.0		104	84-123		6.20	30	
Trichlorofluoromethane	72		"	50.0		144	62-140	High Bias	8.45	30	
Vinyl Chloride	64		"	50.0		128	52-130		7.29	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	53.1		"	50.0		106	77-125				
Surrogate: SURR: Toluene-d8	52.6		"	50.0		105	85-120				
Surrogate: SURR: p-Bromofluorobenzene	49.1		"	50.0		98.1	76-130				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BJ10920 - EPA 3546 SVOA

Blank (BJ10920-BLK1)	Blank	Prepared: 10/15/2021 Analyzed: 10/18/2021									
1,1-Biphenyl	ND	0.0416	mg/kg wet								
1,2,4,5-Tetrachlorobenzene	ND	0.0830	"								
1,2,4-Trichlorobenzene	ND	0.0416	"								
1,2-Dichlorobenzene	ND	0.0416	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.0416	"								
1,3-Dichlorobenzene	ND	0.0416	"								
1,4-Dichlorobenzene	ND	0.0416	"								
2,3,4,6-Tetrachlorophenol	ND	0.0830	"								
2,4,5-Trichlorophenol	ND	0.0416	"								
2,4,6-Trichlorophenol	ND	0.0416	"								
2,4-Dichlorophenol	ND	0.0416	"								
2,4-Dimethylphenol	ND	0.0416	"								
2,4-Dinitrophenol	ND	0.0830	"								
2,4-Dinitrotoluene	ND	0.0416	"								
2,6-Dinitrotoluene	ND	0.0416	"								
2-Chloronaphthalene	ND	0.0416	"								
2-Chlorophenol	ND	0.0416	"								
2-Methylnaphthalene	ND	0.0416	"								
2-Methylphenol	ND	0.0416	"								
2-Nitroaniline	ND	0.0830	"								
2-Nitrophenol	ND	0.0416	"								
3- & 4-Methylphenols	ND	0.0416	"								
3,3-Dichlorobenzidine	ND	0.0416	"								
3-Nitroaniline	ND	0.0830	"								
4,6-Dinitro-2-methylphenol	ND	0.0830	"								
4-Bromophenyl phenyl ether	ND	0.0416	"								
4-Chloro-3-methylphenol	ND	0.0416	"								
4-Chloroaniline	ND	0.0416	"								
4-Chlorophenyl phenyl ether	ND	0.0416	"								
4-Nitroaniline	ND	0.0830	"								
4-Nitrophenol	ND	0.0830	"								
Acenaphthene	ND	0.0416	"								
Acenaphthylene	ND	0.0416	"								
Acetophenone	ND	0.0416	"								
Aniline	ND	0.166	"								
Anthracene	ND	0.0416	"								
Atrazine	ND	0.0416	"								
Benzaldehyde	ND	0.0416	"								
Benzidine	ND	0.166	"								
Benzo(a)anthracene	ND	0.0416	"								
Benzo(a)pyrene	ND	0.0416	"								
Benzo(b)fluoranthene	ND	0.0416	"								
Benzo(g,h,i)perylene	ND	0.0416	"								
Benzo(k)fluoranthene	ND	0.0416	"								
Benzoic acid	ND	0.0416	"								
Benzyl alcohol	ND	0.0416	"								
Benzyl butyl phthalate	ND	0.0416	"								
Bis(2-chloroethoxy)methane	ND	0.0416	"								
Bis(2-chloroethyl)ether	ND	0.0416	"								
Bis(2-chloroisopropyl)ether	ND	0.0416	"								
Bis(2-ethylhexyl)phthalate	ND	0.0416	"								



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BJ10920 - EPA 3546 SVOA

Blank (BJ10920-BLK1)	Blank										Prepared: 10/15/2021 Analyzed: 10/18/2021
Caprolactam	ND	0.0830	mg/kg wet								
Carbazole	ND	0.0416	"								
Chrysene	ND	0.0416	"								
Dibenzo(a,h)anthracene	ND	0.0416	"								
Dibenzofuran	ND	0.0416	"								
Diethyl phthalate	ND	0.0416	"								
Dimethyl phthalate	ND	0.0416	"								
Di-n-butyl phthalate	ND	0.0416	"								
Di-n-octyl phthalate	ND	0.0416	"								
Diphenylamine	ND	0.0830	"								
Fluoranthene	ND	0.0416	"								
Fluorene	ND	0.0416	"								
Hexachlorobenzene	ND	0.0416	"								
Hexachlorobutadiene	ND	0.0416	"								
Hexachlorocyclopentadiene	ND	0.0416	"								
Hexachloroethane	ND	0.0416	"								
Indeno(1,2,3-cd)pyrene	ND	0.0416	"								
Isophorone	ND	0.0416	"								
Naphthalene	ND	0.0416	"								
Nitrobenzene	ND	0.0416	"								
N-Nitrosodimethylamine	ND	0.0416	"								
N-nitroso-di-n-propylamine	ND	0.0416	"								
N-Nitrosodiphenylamine	ND	0.0416	"								
Pentachlorophenol	ND	0.0416	"								
Phenanthrene	ND	0.0416	"								
Phenol	ND	0.0416	"								
Pyrene	ND	0.0416	"								
Surrogate: SURR: 2-Fluorophenol	1.17		"	1.66		70.2	20-108				
Surrogate: SURR: Phenol-d5	1.14		"	1.66		68.4	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.643		"	0.831		77.4	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.553		"	0.831		66.6	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.44		"	1.66		86.7	19-110				
Surrogate: SURR: Terphenyl-d14	0.620		"	0.831		74.7	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 BJ10920 - EPA 3546 SVOA											
LCS (BJ10920-BS1)	LCS						Prepared: 10/15/2021 Analyzed: 10/18/2021				
1,1-Biphenyl	0.471	0.0416	mg/kg wet	0.831		56.7	18-111				
1,2,4,5-Tetrachlorobenzene	0.585	0.0830	"	0.831		70.5	21-131				
1,2,4-Trichlorobenzene	0.607	0.0416	"	0.831		73.0	10-140				
1,2-Dichlorobenzene	0.495	0.0416	"	0.831		59.6	34-108				
1,2-Diphenylhydrazine (as Azobenzene)	0.442	0.0416	"	0.831		53.2	17-137				
1,3-Dichlorobenzene	0.497	0.0416	"	0.831		59.9	33-110				
1,4-Dichlorobenzene	0.496	0.0416	"	0.831		59.7	32-104				
2,3,4,6-Tetrachlorophenol	0.443	0.0830	"	0.831		53.3	30-130				
2,4,5-Trichlorophenol	0.549	0.0416	"	0.831		66.1	27-118				
2,4,6-Trichlorophenol	0.575	0.0416	"	0.831		69.3	31-120				
2,4-Dichlorophenol	0.628	0.0416	"	0.831		75.6	20-127				
2,4-Dimethylphenol	0.600	0.0416	"	0.831		72.3	14-132				
2,4-Dinitrophenol	0.286	0.0830	"	0.831		34.4	10-171				
2,4-Dinitrotoluene	0.722	0.0416	"	0.831		87.0	34-131				
2,6-Dinitrotoluene	0.699	0.0416	"	0.831		84.2	31-128				
2-Chloronaphthalene	0.494	0.0416	"	0.831		59.5	31-117				
2-Chlorophenol	0.509	0.0416	"	0.831		61.3	33-113				
2-Methylnaphthalene	0.578	0.0416	"	0.831		69.6	12-138				
2-Methylphenol	0.547	0.0416	"	0.831		65.8	10-136				
2-Nitroaniline	0.559	0.0830	"	0.831		67.4	27-132				
2-Nitrophenol	0.698	0.0416	"	0.831		84.0	17-129				
3- & 4-Methylphenols	0.488	0.0416	"	0.831		58.7	29-103				
3,3-Dichlorobenzidine	0.500	0.0416	"	0.831		60.2	22-149				
3-Nitroaniline	0.505	0.0830	"	0.831		60.8	20-133				
4,6-Dinitro-2-methylphenol	0.597	0.0830	"	0.831		71.8	10-143				
4-Bromophenyl phenyl ether	0.555	0.0416	"	0.831		66.8	29-120				
4-Chloro-3-methylphenol	0.642	0.0416	"	0.831		77.3	24-129				
4-Chloroaniline	0.474	0.0416	"	0.831		57.1	10-132				
4-Chlorophenyl phenyl ether	0.561	0.0416	"	0.831		67.6	27-124				
4-Nitroaniline	0.512	0.0830	"	0.831		61.6	16-128				
4-Nitrophenol	0.446	0.0830	"	0.831		53.7	10-141				
Acenaphthene	0.478	0.0416	"	0.831		57.6	30-121				
Acenaphthylene	0.482	0.0416	"	0.831		58.1	30-115				
Acetophenone	0.503	0.0416	"	0.831		60.5	20-112				
Aniline	0.539	0.166	"	0.831		64.9	10-119				
Anthracene	0.518	0.0416	"	0.831		62.4	34-118				
Atrazine	0.621	0.0416	"	0.831		74.7	26-112				
Benzaldehyde	0.500	0.0416	"	0.831		60.2	21-100				
Benzo(a)anthracene	0.518	0.0416	"	0.831		62.4	32-122				
Benzo(a)pyrene	0.403	0.0416	"	0.831		48.6	29-133				
Benzo(b)fluoranthene	0.445	0.0416	"	0.831		53.6	25-133				
Benzo(g,h,i)perylene	0.373	0.0416	"	0.831		44.9	10-143				
Benzo(k)fluoranthene	0.452	0.0416	"	0.831		54.4	25-128				
Benzoic acid	0.0339	0.0416	"	0.831		4.08	10-140	Low Bias			
Benzyl alcohol	0.521	0.0416	"	0.831		62.7	30-115				
Benzyl butyl phthalate	0.483	0.0416	"	0.831		58.2	26-126				
Bis(2-chloroethoxy)methane	0.577	0.0416	"	0.831		69.5	19-132				
Bis(2-chloroethyl)ether	0.540	0.0416	"	0.831		65.0	19-125				
Bis(2-chloroisopropyl)ether	1.61	0.0416	"	0.831		194	20-135	High Bias			
Bis(2-ethylhexyl)phthalate	0.532	0.0416	"	0.831		64.0	10-155				
Caprolactam	0.566	0.0830	"	0.831		68.2	10-127				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BJ10920 - EPA 3546 SVOA

LCS (BJ10920-BS1)		LCS		Prepared: 10/15/2021 Analyzed: 10/18/2021							
Carbazole	0.495	0.0416	mg/kg wet	0.831		59.6	35-123				
Chrysene	0.528	0.0416	"	0.831		63.6	32-123				
Dibenzo(a,h)anthracene	0.392	0.0416	"	0.831		47.2	10-136				
Dibenzofuran	0.511	0.0416	"	0.831		61.6	29-121				
Diethyl phthalate	0.504	0.0416	"	0.831		60.6	34-116				
Dimethyl phthalate	0.517	0.0416	"	0.831		62.3	35-124				
Di-n-butyl phthalate	0.501	0.0416	"	0.831		60.4	31-116				
Di-n-octyl phthalate	0.537	0.0416	"	0.831		64.6	26-136				
Diphenylamine	0.544	0.0830	"	0.831		65.4	40-140				
Fluoranthene	0.535	0.0416	"	0.831		64.4	33-122				
Fluorene	0.509	0.0416	"	0.831		61.3	29-123				
Hexachlorobenzene	0.477	0.0416	"	0.831		57.4	21-124				
Hexachlorobutadiene	0.774	0.0416	"	0.831		93.2	10-149				
Hexachlorocyclopentadiene	0.311	0.0416	"	0.831		37.5	10-129				
Hexachloroethane	0.503	0.0416	"	0.831		60.6	28-108				
Indeno(1,2,3-cd)pyrene	0.395	0.0416	"	0.831		47.5	10-135				
Isophorone	0.618	0.0416	"	0.831		74.4	20-132				
Naphthalene	0.526	0.0416	"	0.831		63.3	23-124				
Nitrobenzene	0.594	0.0416	"	0.831		71.6	13-132				
N-Nitrosodimethylamine	0.458	0.0416	"	0.831		55.2	11-129				
N-nitroso-di-n-propylamine	0.560	0.0416	"	0.831		67.4	24-119				
N-Nitrosodiphenylamine	0.584	0.0416	"	0.831		70.3	22-152				
Pentachlorophenol	0.285	0.0416	"	0.831		34.3	10-139				
Phenanthrene	0.473	0.0416	"	0.831		56.9	33-123				
Phenol	0.620	0.0416	"	0.831		74.6	23-115				
Pyrene	0.497	0.0416	"	0.831		59.9	32-130				
Surrogate: SURR: 2-Fluorophenol	1.11		"	1.66		66.8	20-108				
Surrogate: SURR: Phenol-d5	1.11		"	1.66		66.7	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.631		"	0.831		76.0	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.520		"	0.831		62.6	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.40		"	1.66		84.2	19-110				
Surrogate: SURR: Terphenyl-d14	0.565		"	0.831		68.0	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

Batch BJ10921 - EPA 3550C

Blank (BJ10921-BLK1)	Blank		Prepared: 10/15/2021 Analyzed: 10/18/2021								
4,4'-DDD	ND	0.00164	mg/kg wet								
4,4'-DDE	ND	0.00164	"								
4,4'-DDT	ND	0.00164	"								
Aldrin	ND	0.00164	"								
alpha-BHC	ND	0.00164	"								
alpha-Chlordane	ND	0.00164	"								
beta-BHC	ND	0.00164	"								
Chlordane, total	ND	0.0329	"								
delta-BHC	ND	0.00164	"								
Dieldrin	ND	0.00164	"								
Endosulfan I	ND	0.00164	"								
Endosulfan II	ND	0.00164	"								
Endosulfan sulfate	ND	0.00164	"								
Endrin	ND	0.00164	"								
Endrin aldehyde	ND	0.00164	"								
Endrin ketone	ND	0.00164	"								
gamma-BHC (Lindane)	ND	0.00164	"								
gamma-Chlordane	ND	0.00164	"								
Heptachlor	ND	0.00164	"								
Heptachlor epoxide	ND	0.00164	"								
Methoxychlor	ND	0.00822	"								
Toxaphene	ND	0.0832	"								
Surrogate: Decachlorobiphenyl	0.0364		"	0.0664		54.8	30-150				
Surrogate: Tetrachloro-m-xylene	0.0385		"	0.0664		58.0	30-150				

LCS (BJ10921-BS1)	LCS		Prepared: 10/15/2021 Analyzed: 10/18/2021								
4,4'-DDD	0.0251	0.00164	mg/kg wet	0.0332		75.5	40-140				
4,4'-DDE	0.0149	0.00164	"	0.0332		45.0	40-140				
4,4'-DDT	0.0146	0.00164	"	0.0332		43.8	40-140				
Aldrin	0.0281	0.00164	"	0.0332		84.7	40-140				
alpha-BHC	0.0383	0.00164	"	0.0332		115	40-140				
alpha-Chlordane	0.0307	0.00164	"	0.0332		92.5	40-140				
beta-BHC	0.0281	0.00164	"	0.0332		84.6	40-140				
delta-BHC	0.0250	0.00164	"	0.0332		75.2	40-140				
Dieldrin	0.0305	0.00164	"	0.0332		91.9	40-140				
Endosulfan I	0.0369	0.00164	"	0.0332		111	40-140				
Endosulfan II	0.0308	0.00164	"	0.0332		92.7	40-140				
Endosulfan sulfate	0.0252	0.00164	"	0.0332		75.9	40-140				
Endrin	0.0215	0.00164	"	0.0332		64.7	40-140				
Endrin aldehyde	0.0258	0.00164	"	0.0332		77.6	40-140				
Endrin ketone	0.0316	0.00164	"	0.0332		95.2	40-140				
gamma-BHC (Lindane)	0.0269	0.00164	"	0.0332		80.9	40-140				
gamma-Chlordane	0.0299	0.00164	"	0.0332		90.1	40-140				
Heptachlor	0.0263	0.00164	"	0.0332		79.2	40-140				
Heptachlor epoxide	0.0297	0.00164	"	0.0332		89.5	40-140				
Methoxychlor	0.0156	0.00822	"	0.0332		46.8	40-140				
Surrogate: Decachlorobiphenyl	0.0406		"	0.0664		61.1	30-150				
Surrogate: Tetrachloro-m-xylene	0.0435		"	0.0664		65.4	30-150				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BJ10921 - EPA 3550C

Matrix Spike (BJ10921-MS1)	Matrix Spike	*Source sample: 21J0596-02 (Matrix Spike)						Prepared: 10/15/2021 Analyzed: 10/23/2021			
4,4'-DDD	0.0361	0.00170	mg/kg dry	0.0344	ND	105	30-150				
4,4'-DDE	0.0220	0.00170	"	0.0344	ND	64.0	30-150				
4,4'-DDT	0.0178	0.00170	"	0.0344	ND	51.9	30-150				
Aldrin	0.0376	0.00170	"	0.0344	ND	109	30-150				
alpha-BHC	0.0366	0.00170	"	0.0344	ND	106	30-150				
alpha-Chlordane	0.0396	0.00170	"	0.0344	ND	115	30-150				
beta-BHC	0.0370	0.00170	"	0.0344	ND	107	30-150				
delta-BHC	0.0373	0.00170	"	0.0344	ND	108	30-150				
Dieldrin	0.0391	0.00170	"	0.0344	ND	114	30-150				
Endosulfan I	0.0432	0.00170	"	0.0344	ND	125	30-150				
Endosulfan II	0.0389	0.00170	"	0.0344	ND	113	30-150				
Endosulfan sulfate	0.0350	0.00170	"	0.0344	ND	102	30-150				
Endrin	0.0335	0.00170	"	0.0344	ND	97.4	30-150				
Endrin aldehyde	0.0349	0.00170	"	0.0344	ND	101	30-150				
Endrin ketone	0.0394	0.00170	"	0.0344	ND	115	30-150				
gamma-BHC (Lindane)	0.0360	0.00170	"	0.0344	ND	105	30-150				
gamma-Chlordane	0.0386	0.00170	"	0.0344	ND	112	30-150				
Heptachlor	0.0386	0.00170	"	0.0344	ND	112	30-150				
Heptachlor epoxide	0.0391	0.00170	"	0.0344	ND	114	30-150				
Methoxychlor	0.0187	0.00852	"	0.0344	ND	54.5	30-150				
Surrogate: Decachlorobiphenyl	0.0436		"	0.0688		63.3	30-150				
Surrogate: Tetrachloro-m-xylene	0.0600		"	0.0688		87.2	30-150				

Matrix Spike Dup (BJ10921-MS1)	Matrix Spike Dup	*Source sample: 21J0596-02 (Matrix Spike Dup)						Prepared: 10/15/2021 Analyzed: 10/23/2021			
4,4'-DDD	0.0360	0.00170	mg/kg dry	0.0344	ND	105	30-150	0.157	30		
4,4'-DDE	0.0291	0.00170	"	0.0344	ND	84.4	30-150	27.5	30		
4,4'-DDT	0.0180	0.00170	"	0.0344	ND	52.4	30-150	0.940	30		
Aldrin	0.0382	0.00170	"	0.0344	ND	111	30-150	1.68	30		
alpha-BHC	0.0382	0.00170	"	0.0344	ND	111	30-150	4.24	30		
alpha-Chlordane	0.0401	0.00170	"	0.0344	ND	117	30-150	1.42	30		
beta-BHC	0.0390	0.00170	"	0.0344	ND	113	30-150	5.28	30		
delta-BHC	0.0380	0.00170	"	0.0344	ND	110	30-150	1.91	30		
Dieldrin	0.0396	0.00170	"	0.0344	ND	115	30-150	1.31	30		
Endosulfan I	0.0423	0.00170	"	0.0344	ND	123	30-150	1.99	30		
Endosulfan II	0.0400	0.00170	"	0.0344	ND	116	30-150	2.89	30		
Endosulfan sulfate	0.0352	0.00170	"	0.0344	ND	102	30-150	0.638	30		
Endrin	0.0333	0.00170	"	0.0344	ND	96.6	30-150	0.809	30		
Endrin aldehyde	0.0356	0.00170	"	0.0344	ND	103	30-150	1.85	30		
Endrin ketone	0.0399	0.00170	"	0.0344	ND	116	30-150	1.13	30		
gamma-BHC (Lindane)	0.0367	0.00170	"	0.0344	ND	107	30-150	2.01	30		
gamma-Chlordane	0.0392	0.00170	"	0.0344	ND	114	30-150	1.37	30		
Heptachlor	0.0389	0.00170	"	0.0344	ND	113	30-150	0.657	30		
Heptachlor epoxide	0.0395	0.00170	"	0.0344	ND	115	30-150	1.00	30		
Methoxychlor	0.0174	0.00852	"	0.0344	ND	50.6	30-150	7.42	30		
Surrogate: Decachlorobiphenyl	0.0452		"	0.0688		65.7	30-150				
Surrogate: Tetrachloro-m-xylene	0.0606		"	0.0688		88.1	30-150				



Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BJ10921 - EPA 3550C

Blank (BJ10921-BLK2)	Blank		Prepared: 10/15/2021 Analyzed: 10/18/2021								
Aroclor 1016	ND	0.0166	mg/kg wet								
Aroclor 1221	ND	0.0166	"								
Aroclor 1232	ND	0.0166	"								
Aroclor 1242	ND	0.0166	"								
Aroclor 1248	ND	0.0166	"								
Aroclor 1254	ND	0.0166	"								
Aroclor 1260	ND	0.0166	"								
Total PCBs	ND	0.0166	"								

<i>Surrogate: Tetrachloro-m-xylene</i>	0.0392		"	0.0664	59.0	30-140					
<i>Surrogate: Decachlorobiphenyl</i>	0.0239		"	0.0664	36.0	30-140					

LCS (BJ10921-BS2)	LCS		Prepared: 10/15/2021 Analyzed: 10/18/2021								
Aroclor 1016	0.251	0.0166	mg/kg wet	0.332	75.6	40-130					
Aroclor 1260	0.230	0.0166	"	0.332	69.2	40-130					
<i>Surrogate: Tetrachloro-m-xylene</i>	0.0468		"	0.0664	70.5	30-140					
<i>Surrogate: Decachlorobiphenyl</i>	0.0282		"	0.0664	42.5	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

Batch BJ10767 - EPA 3050B

Blank (BJ10767-BLK1)	Blank	Prepared: 10/13/2021 Analyzed: 10/14/2021									
Aluminum	ND	5.00	mg/kg wet								
Antimony	ND	2.50	"								
Arsenic	ND	1.50	"								
Barium	ND	2.50	"								
Beryllium	ND	0.050	"								
Cadmium	ND	0.300	"								
Calcium	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 (BJ10767-DUP1)	Duplicate	*Source sample: 21J0436-05 (Duplicate) Prepared: 10/13/2021 Analyzed: 10/14/2021									
Aluminum	5560	5.44	mg/kg dry		5460				1.90	35	
Antimony	ND	2.72	"		ND					35	
Arsenic	4.11	1.63	"		4.12				0.326	35	
Barium	41.5	2.72	"		36.9				11.7	35	
Beryllium	ND	0.054	"		ND					35	
Cadmium	0.432	0.327	"		0.353				20.2	35	
Calcium	90300	5.44	"		82100				9.56	35	
Chromium	11.5	0.544	"		11.0				4.32	35	
Cobalt	4.46	0.436	"		5.53				21.4	35	
Copper	36.6	2.18	"		63.3				53.3	35	Non-dir.
Iron	12700	27.2	"		16000				23.1	35	
Lead	43.3	0.544	"		31.9				30.3	35	
Magnesium	36500	5.44	"		35600				2.27	35	
Manganese	191	0.544	"		200				4.65	35	
Nickel	10.2	1.09	"		8.39				19.5	35	
Potassium	1190	5.44	"		1140				4.55	35	
Selenium	6.92	2.72	"		4.43				43.9	35	Non-dir.
Silver	ND	0.544	"		ND					35	
Sodium	470	54.4	"		501				6.48	35	
Thallium	ND	2.72	"		ND					35	
Vanadium	42.6	1.09	"		43.4				2.02	35	
Zinc	67.6	2.72	"		43.2				44.0	35	Non-dir.



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

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

Batch BJ10767 - EPA 3050B

Matrix Spike (BJ10767-MS1)	Matrix Spike	*Source sample: 21J0436-05 (Matrix Spike)						Prepared: 10/13/2021 Analyzed: 10/14/2021			
Aluminum	4890	5.44	mg/kg dry	218	5460	NR	75-125	Low Bias			
Antimony	ND	2.72	"	27.2	ND		75-125	Low Bias			
Arsenic	221	1.63	"	218	4.12	99.4	75-125				
Barium	266	2.72	"	218	36.9	105	75-125				
Beryllium	5.12	0.054	"	5.44	ND	94.1	75-125				
Cadmium	5.53	0.327	"	5.44	0.353	95.1	75-125				
Calcium	88200	5.44	"	109	82100	NR	75-125	High Bias			
Chromium	31.8	0.544	"	21.8	11.0	95.5	75-125				
Cobalt	58.0	0.436	"	54.4	5.53	96.5	75-125				
Copper	53.9	2.18	"	27.2	63.3	NR	75-125	Low Bias			
Iron	9270	27.2	"	109	16000	NR	75-125	Low Bias			
Lead	101	0.544	"	54.4	31.9	128	75-125	High Bias			
Magnesium	40600	5.44	"	109	35600	NR	75-125	High Bias			
Manganese	212	0.544	"	54.4	200	21.8	75-125	Low Bias			
Nickel	68.6	1.09	"	54.4	8.39	111	75-125				
Potassium	1040	5.44	"	109	1140	NR	75-125	Low Bias			
Selenium	202	2.72	"	218	4.43	90.9	75-125				
Silver	6.82	0.544	"	5.44	ND	125	75-125				
Sodium	595	54.4	"	109	501	86.2	75-125				
Thallium	200	2.72	"	218	ND	91.8	75-125				
Vanadium	90.9	1.09	"	54.4	43.4	87.1	75-125				
Zinc	90.2	2.72	"	54.4	43.2	86.3	75-125				

Post Spike (BJ10767-PS1)	Post Spike	*Source sample: 21J0436-05 (Post Spike)						Prepared: 10/13/2021 Analyzed: 10/14/2021			
Aluminum	50.3		ug/mL	2.00	50.1	10.8	75-125	Low Bias			
Antimony	0.201		"	0.250	-0.037	80.5	75-125				
Arsenic	1.97		"	2.00	0.038	96.4	75-125				
Barium	2.41		"	2.00	0.339	104	75-125				
Beryllium	0.046		"	0.0500	-0.005	91.3	75-125				
Cadmium	0.050		"	0.0500	0.003	93.7	75-125				
Calcium	726		"	1.00	754	NR	75-125	Low Bias			
Chromium	0.290		"	0.200	0.101	94.7	75-125				
Cobalt	0.539		"	0.500	0.051	97.5	75-125				
Copper	0.853		"	0.250	0.581	109	75-125				
Iron	145		"	1.00	147	NR	75-125	Low Bias			
Lead	0.763		"	0.500	0.293	94.1	75-125				
Magnesium	322		"	1.00	327	NR	75-125	Low Bias			
Manganese	2.27		"	0.500	1.84	86.2	75-125				
Nickel	0.587		"	0.500	0.077	102	75-125				
Potassium	11.4		"	1.00	10.5	87.5	75-125				
Selenium	1.76		"	2.00	0.041	85.8	75-125				
Silver	0.033		"	0.0500	0.0003	64.8	75-125	Low Bias			
Sodium	5.68		"	1.00	4.60	108	75-125				
Thallium	1.79		"	2.00	-0.034	89.7	75-125				
Vanadium	0.915		"	0.500	0.399	103	75-125				
Zinc	0.809		"	0.500	0.397	82.4	75-125				



Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BJ10767 - EPA 3050B

Reference (BJ10767-SRM1)	Reference	Prepared: 10/13/2021 Analyzed: 10/14/2021									
Aluminum	9040	5.00	mg/kg wet	8130		111	49.9-150.1				
Antimony	79.6	2.50	"	134		59.4	19.3-250				
Arsenic	162	1.50	"	156		104	69.9-130.1				
Barium	283	2.50	"	239		118	74.9-124.7				
Beryllium	186	0.050	"	169		110	75.1-125.4				
Cadmium	150	0.300	"	137		109	75.2-124.8				
Calcium	5390	5.00	"	4760		113	72.7-127.5				
Chromium	169	0.500	"	154		109	70.1-129.9				
Cobalt	137	0.400	"	121		114	75-124.8				
Copper	64.6	2.00	"	54.9		118	74.9-125				
Iron	16600	25.0	"	14100		118	34.9-164.5				
Lead	131	0.500	"	130		101	71.8-128.5				
Magnesium	2650	5.00	"	2320		114	62.1-137.9				
Manganese	292	0.500	"	269		109	74-126.4				
Nickel	66.9	1.00	"	53.9		124	69.9-129.9				
Potassium	2300	5.00	"	2020		114	58.9-141.1				
Selenium	140	2.50	"	167		84.0	67.7-132.3				
Silver	34.2	0.500	"	33.6		102	68.5-131.3				
Sodium	164	50.0	"	133		123	35-165.4				
Thallium	113	2.50	"	112		101	67.9-131.3				
Vanadium	66.8	1.00	"	62.6		107	59.1-141.1				
Zinc	158	2.50	"	158		100	70.3-129.7				

Batch BJ10769 - EPA 3050B

Blank (BJ10769-BLK1)	Blank	Prepared: 10/13/2021 Analyzed: 10/14/2021									
Aluminum	ND	5.00	mg/kg wet								
Antimony	ND	2.50	"								
Arsenic	ND	1.50	"								
Barium	ND	2.50	"								
Beryllium	ND	0.050	"								
Cadmium	ND	0.300	"								
Calcium	22.2	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	"								



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

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

Batch BJ10769 - EPA 3050B

Duplicate (BJ10769-DUP1)	Duplicate	*Source sample: 21J0436-03 (Duplicate)				Prepared: 10/13/2021 Analyzed: 10/14/2021					
Aluminum	4540	5.34	mg/kg dry	4160					8.72	35	
Antimony	20.8	2.67	"	23.3					11.6	35	
Arsenic	19.2	1.60	"	12.3					44.1	35	Non-dir.
Barium	1100	2.67	"	1110					0.644	35	
Beryllium	ND	0.053	"	ND						35	
Cadmium	25.0	0.321	"	35.6					35.0	35	
Calcium	22300	5.34	"	21800					2.14	35	
Chromium	120	0.534	"	151					22.9	35	
Cobalt	18.3	0.428	"	15.9					14.3	35	
Copper	644	2.14	"	404					45.8	35	Non-dir.
Iron	126000	26.7	"	130000					2.99	35	
Lead	1870	0.534	"	1740					7.38	35	
Magnesium	6050	5.34	"	6130					1.38	35	
Manganese	635	0.534	"	590					7.44	35	
Nickel	670	1.07	"	254					90.1	35	Non-dir.
Potassium	643	5.34	"	699					8.33	35	
Selenium	ND	2.67	"	ND						35	
Silver	ND	0.534	"	ND						35	
Sodium	4660	53.4	"	4520					3.08	35	
Thallium	5.83	2.67	"	5.20					11.4	35	
Vanadium	37.4	1.07	"	29.2					24.6	35	
Zinc	6660	2.67	"	4800					32.3	35	

Matrix Spike (BJ10769-MS1)	Matrix Spike	*Source sample: 21J0436-03 (Matrix Spike)				Prepared: 10/13/2021 Analyzed: 10/14/2021					
Aluminum	5310	5.34	mg/kg dry	214	4160	538	75-125	High Bias			
Antimony	25.4	2.67	"	26.7	23.3	7.66	75-125	Low Bias			
Arsenic	218	1.60	"	214	12.3	96.4	75-125				
Barium	1460	2.67	"	214	1110	166	75-125	High Bias			
Beryllium	4.76	0.053	"	5.34	ND	89.0	75-125				
Cadmium	27.0	0.321	"	5.34	35.6	NR	75-125	Low Bias			
Calcium	19700	5.34	"	107	21800	NR	75-125	Low Bias			
Chromium	148	0.534	"	21.4	151	NR	75-125	Low Bias			
Cobalt	71.8	0.428	"	53.4	15.9	105	75-125				
Copper	453	2.14	"	26.7	404	184	75-125	High Bias			
Iron	112000	26.7	"	107	130000	NR	75-125	Low Bias			
Lead	1610	0.534	"	53.4	1740	NR	75-125	Low Bias			
Magnesium	5800	5.34	"	107	6130	NR	75-125	Low Bias			
Manganese	580	0.534	"	53.4	590	NR	75-125	Low Bias			
Nickel	317	1.07	"	53.4	254	118	75-125				
Potassium	844	5.34	"	107	699	136	75-125	High Bias			
Selenium	64.0	2.67	"	214	ND	29.9	75-125	Low Bias			
Silver	5.95	0.534	"	5.34	ND	111	75-125				
Sodium	4500	53.4	"	107	4520	NR	75-125	Low Bias			
Thallium	197	2.67	"	214	5.20	89.9	75-125				
Vanadium	85.9	1.07	"	53.4	29.2	106	75-125				
Zinc	5280	2.67	"	53.4	4800	895	75-125	High Bias			



Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BJ10769 - EPA 3050B

Post Spike (BJ10769-PS1)	Post Spike	*Source sample: 21J0436-03 (Post Spike)					Prepared: 10/13/2021 Analyzed: 10/14/2021				
Aluminum	40.5		ug/mL	2.00	38.9	79.8	75-125				
Antimony	0.464		"	0.250	0.218	98.2	75-125				
Arsenic	2.09		"	2.00	0.115	98.6	75-125				
Barium	12.5		"	2.00	10.4	104	75-125				
Beryllium	0.045		"	0.0500	-0.004	89.8	75-125				
Cadmium	0.372		"	0.0500	0.334	76.7	75-125				
Calcium	209		"	1.00	204	479	75-125	High Bias			
Chromium	1.55		"	0.200	1.41	69.5	75-125	Low Bias			
Cobalt	0.665		"	0.500	0.149	103	75-125				
Copper	4.02		"	0.250	3.78	97.4	75-125				
Iron	1220		"	1.00	1220	NR	75-125	Low Bias			
Lead	16.3		"	0.500	16.3	11.7	75-125	Low Bias			
Magnesium	58.6		"	1.00	57.4	127	75-125	High Bias			
Manganese	5.94		"	0.500	5.52	85.0	75-125				
Nickel	2.87		"	0.500	2.38	98.7	75-125				
Potassium	7.49		"	1.00	6.54	94.2	75-125				
Selenium	0.440		"	2.00	-1.27	22.0	75-125	Low Bias			
Silver	0.025		"	0.0500	-0.005	49.5	75-125	Low Bias			
Sodium	43.0		"	1.00	42.3	71.8	75-125	Low Bias			
Thallium	1.89		"	2.00	0.049	92.2	75-125				
Vanadium	0.783		"	0.500	0.273	102	75-125				
Zinc	44.8		"	0.500	44.9	NR	75-125	Low Bias			

Reference (BJ10769-SRM1)	Reference	Prepared: 10/13/2021 Analyzed: 10/14/2021									
Aluminum	10400	5.00	mg/kg wet	8130		128	49.9-150.1				
Antimony	91.1	2.50	"	134		68.0	19.3-250				
Arsenic	170	1.50	"	156		109	69.9-130.1				
Barium	287	2.50	"	239		120	74.9-124.7				
Beryllium	186	0.050	"	169		110	75.1-125.4				
Cadmium	149	0.300	"	137		109	75.2-124.8				
Calcium	5780	5.00	"	4760		121	72.7-127.5				
Chromium	175	0.500	"	154		114	70.1-129.9				
Cobalt	143	0.400	"	121		118	75-124.8				
Copper	65.0	2.00	"	54.9		118	74.9-125				
Iron	16900	25.0	"	14100		120	34.9-164.5				
Lead	142	0.500	"	130		109	71.8-128.5				
Magnesium	2780	5.00	"	2320		120	62.1-137.9				
Manganese	312	0.500	"	269		116	74-126.4				
Nickel	75.5	1.00	"	53.9		140	69.9-129.9	High Bias			
Potassium	2600	5.00	"	2020		128	58.9-141.1				
Selenium	146	2.50	"	167		87.6	67.7-132.3				
Silver	35.1	0.500	"	33.6		104	68.5-131.3				
Sodium	178	50.0	"	133		134	35-165.4				
Thallium	111	2.50	"	112		99.1	67.9-131.3				
Vanadium	71.6	1.00	"	62.6		114	59.1-141.1				
Zinc	176	2.50	"	158		111	70.3-129.7				



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC Limits	Flag	RPD Limit	Flag
Batch BK11043 - EPA 3015A/1311									
Blank (BK11043-BLK1)	Blank							Prepared & Analyzed: 11/02/2021	
Lead	ND	0.00556	mg/L						
LCS (BK11043-BS1)	LCS							Prepared & Analyzed: 11/02/2021	
Lead	0.489		ug/mL	0.500		97.8	80-120		
Leach Fluid Blank (BK11043-	Leach Fluid Blank							Prepared & Analyzed: 11/02/2021	
Lead	ND	0.125	mg/L						



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 BJ10900 - EPA 7473 soil

Blank (BJ10900-BLK1)	Blank								Prepared & Analyzed: 10/15/2021		
Mercury	ND	0.0300	mg/kg wet								
Duplicate (BJ10900-DUP1)	Duplicate	*Source sample: 21J0354-03 (Duplicate)							Prepared & Analyzed: 10/15/2021		
Mercury	0.143	0.0322	mg/kg dry		0.135				6.10	35	
Matrix Spike (BJ10900-MS1)	Matrix Spike	*Source sample: 21J0354-03 (Matrix Spike)							Prepared & Analyzed: 10/15/2021		
Mercury	0.700		mg/kg	0.500	0.126	115	75-125				
Reference (BJ10900-SRM1)	Reference								Prepared & Analyzed: 10/15/2021		
Mercury	24.034		mg/kg	27.2		88.4	59.9-140.1				

Batch BJ11000 - EPA 7473 soil

Blank (BJ11000-BLK1)	Blank								Prepared & Analyzed: 10/18/2021		
Mercury	ND	0.0300	mg/kg wet								
Duplicate (BJ11000-DUP1)	Duplicate	*Source sample: 21I1387-01 (Duplicate)							Prepared & Analyzed: 10/18/2021		
Mercury	0.115	0.0330	mg/kg dry		0.160				32.8	35	
Matrix Spike (BJ11000-MS1)	Matrix Spike	*Source sample: 21I1387-01 (Matrix Spike)							Prepared & Analyzed: 10/18/2021		
Mercury	0.595		mg/kg	0.500	0.146	89.9	75-125				
Reference (BJ11000-SRM1)	Reference								Prepared & Analyzed: 10/18/2021		
Mercury	20.076		mg/kg	27.2		73.8	59.9-140.1				



Wet Chemistry Parameters - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ10669 - EPA SW846-3060											
Blank (BJ10669-BLK1)	Blank		Prepared & Analyzed: 10/12/2021								
Chromium, Hexavalent	ND	0.500	mg/kg wet								
Duplicate (BJ10669-DUP1)	Duplicate		*Source sample: 21J0275-08 (Duplicate)		Prepared & Analyzed: 10/12/2021						
Chromium, Hexavalent	ND	0.549	mg/kg dry		ND					35	
Matrix Spike (BJ10669-MS1)	Matrix Spike		*Source sample: 21J0275-08 (Matrix Spike)		Prepared & Analyzed: 10/12/2021						
Chromium, Hexavalent	20.9	0.549	mg/kg dry	22.0	ND	95.2	75-125				
Reference (BJ10669-SRM1)	Reference		Prepared & Analyzed: 10/12/2021								
Chromium, Hexavalent	76.1		mg/L	109		69.8	30-169.7				



Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BJ10944 - % Solids Prep

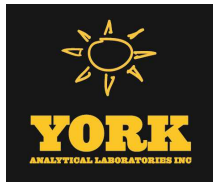
Duplicate (BJ10944-DUP1)	Duplicate	*Source sample: 21J0426-04 (SB04_2-4)						Prepared: 10/15/2021 Analyzed: 10/18/2021			
% Solids		85.9	0.100	%		86.8			1.05	20	

Batch BJ10945 - % Solids Prep

Duplicate (BJ10945-DUP1)	Duplicate	*Source sample: 21J0436-06 (Duplicate)						Prepared: 10/15/2021 Analyzed: 10/18/2021			
% Solids		68.0	0.100	%		68.9			1.24	20	

Batch BJ10987 - % Solids Prep

Duplicate (BJ10987-DUP1)	Duplicate	*Source sample: 21J0437-07 (Duplicate)						Prepared & Analyzed: 10/18/2021			
% Solids		75.7	0.100	%		74.8			1.17	20	
Duplicate (BJ10987-DUP2)	Duplicate	*Source sample: 21J0437-08 (Duplicate)						Prepared & Analyzed: 10/18/2021			
% Solids		76.6	0.100	%		75.2			1.87	20	



Leachate Preparations - Quality Control Data
York Analytical Laboratories, Inc.

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

Batch BK10997 - EPA SW 846-1311 TCLP ext. for metals

Blank (BK10997-BLK1)	TCLP LEACH BLANK							Prepared: 11/01/2021 Analyzed: 11/02/2021		
TCLP Extraction	Completed	1.00	N/A							



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
21J0426-02	SB03_10-12	40mL Vial with Stir Bar-Cool 4° C
21J0426-03	SB03_1-3	40mL Vial with Stir Bar-Cool 4° C
21J0426-04	SB04_2-4	40mL Vial with Stir Bar-Cool 4° C
21J0426-05	SB04_14-16	40mL 01_Clear Vial Cool to 4° C
21J0426-06	SB05_1-3	40mL Vial with Stir Bar-Cool 4° C
21J0426-07	SB05_6-8	40mL Vial with Stir Bar-Cool 4° C
21J0426-08	SB06_1-3	40mL Vial with Stir Bar-Cool 4° C
21J0426-09	SB06_14-16	40mL Vial with Stir Bar-Cool 4° C



Sample and Data Qualifiers Relating to This Work Order

VOA-Re	VOA sample for re-run was taken from a bulk sample container noncompliant with SW-846 5035A due to a depletion of a proper vial during analysis. Results below 200 ug/Kg may be biased low.
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-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.
M-DUPS	The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity
M-BLK	The target analyte was detected above the RL in the batch method blank. All samples showed >10x the concentration in the blank for this analyte. Data are reported.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
EXT-Temp	Extraction temperature slightly exceeded acceptance range.
EXT-COMP	Completed
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

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



Non-Dir. Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

Revision Description: This report has been revised to report TCLP lead for sample -03.



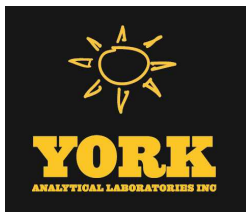
Field Chain-of-Custody Record

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

120 Research Drive Stratford, CT 06615		132-02 89th Ave Queens, NY 11418		clientservices@yorklab.com		www.yorklab.com		800-306-YORK		800-306-9675		YORK Project No. 21J0426							
YOUR Information				Report To:				Invoice To:				YOUR Project Number				Turn-Around Time			
Company: Langdon Engineering				Company:				Company:				170695201				RUSH - Next Day			
Address: 360 West 31st Street				Address:				Address:								RUSH - Two Day			
City: NY NY 10001				City:				City:								RUSH - Three Day			
Phone: 212-979-5400				Phone:				Phone:								RUSH - Four Day			
Contact: Woo Kim				Contact:				Contact:								Standard (5-7 Day)			
E-mail: wkim@langdon.com				E-mail:				E-mail:											

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.				Matrix Codes				Samples From				Report / EDD Type (circle selections)				YORK Reg. Comp.			
Samples Collected by: (print AND sign your name) Jacob Mewkes				S - soil / solid				New York				Summary Report				Compared to the following Regulation(s): (please fill in)			
				GW - groundwater				New Jersey				QA Report				CT RCP			
Jacob Mewkes				DW - drinking water				Connecticut				NY ASP A Package				CT RCP DQA/DUE			
				WW - wastewater				Pennsylvania				NY ASP B Package				NJDEP Reduced			
gn				O - Oil				Other:								Deliverables			
																NJDEP SRP HazSite			
gn				Sample Matrix				Date/Time Sampled				Analysis Requested				Container Description			
				Soil				930 10/18/21				TCL VOCs, SVOCs, PCBs, & PAHs				Hold			
gn								945				Metals + TCLP Metals +							
								1025				hex. & Tri Chlorine + Pesticides							
gn								1135											
								1155											
gn								1230											
								1240											
gn								1430											
								1445											
gn								1455											

Comments:				Preservation: (check all that apply)				Special Instruction							
gn - Hold TCLP Metals - Report CC: data manager@langdon.com 1520 Langdon - Report CC: data manager@langdon.com gn Jacob Mewkes				HCl MeOH HNO3 H2SO4 NaOH				Field Filtered							
				ZnAc Ascorbic Acid Other:				Lab to Filter							
1. Samples Relinquished by / Company				Date/Time				Date/Time				Date/Time			
gn Jacob Mewkes				10/18/21				10/18/21				10/18/21			
2. Samples Received by / Company				Date/Time				Date/Time				Date/Time			
gn Jacob Mewkes				10/18/21				10/18/21				10/18/21			
3. Samples Relinquished by / Company				Date/Time				Date/Time				Date/Time			
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36. Samples Relinquished by / Company				Date/Time				Date/Time				Date/Time			
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68. Samples Relinquished by / Company				Date/Time				Date/Time				Date/Time			
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87. Samples Relinquished by / Company				Date/Time				Date/Time				Date/Time			
gn Jacob Mewkes															



Technical Report

prepared for:

Langan Engineering & Environmental Services (NYC)

21 Penn Plaza, 360 West 31st Street

New York NY, 10001

Attention: Woo-Jun Kim

Report Date: 10/19/2021

Client Project ID: 170695201

York Project (SDG) No.: 21J0466



CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037

New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

Report Date: 10/19/2021
Client Project ID: 170695201
York Project (SDG) No.: 21J0466

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Woo-Jun Kim

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 October 11, 2021 and listed below. The project was identified as your project: **170695201**.

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>
21J0466-01	SB01_10-12	Soil	10/09/2021	10/11/2021
21J0466-02	SB01_3-5	Soil	10/09/2021	10/11/2021
21J0466-05	SB02_9-11	Soil	10/09/2021	10/11/2021
21J0466-09	SB08_3-5	Soil	10/09/2021	10/11/2021
21J0466-10	SB08_14-16	Soil	10/09/2021	10/11/2021
21J0466-12	SB09_12-14	Soil	10/09/2021	10/11/2021

General Notes for York Project (SDG) No.: 21J0466

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

Approved By



Cassie L. Mosher
Laboratory Manager

Date: 10/19/2021





Sample Information

Client Sample ID: SB01_10-12

York Sample ID: 21J0466-01

York Project (SDG) No.

21J0466

Client Project ID

170695201

Matrix

Soil

Collection Date/Time

October 9, 2021 7:40 am

Date Received

10/11/2021

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		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:45	10/13/2021 20:30	TMP
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:45	10/13/2021 20:30	TMP
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:45	10/13/2021 20:30	TMP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	10/13/2021 06:45	10/13/2021 20:30	TMP
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:45	10/13/2021 20:30	TMP
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:45	10/13/2021 20:30	TMP
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:45	10/13/2021 20:30	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:45	10/13/2021 20:30	TMP
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	10/13/2021 06:45	10/13/2021 20:30	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:45	10/13/2021 20:30	TMP
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:45	10/13/2021 20:30	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:45	10/13/2021 20:30	TMP
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:45	10/13/2021 20:30	TMP
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:45	10/13/2021 20:30	TMP
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:45	10/13/2021 20:30	TMP
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:45	10/13/2021 20:30	TMP
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:45	10/13/2021 20:30	TMP
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:45	10/13/2021 20:30	TMP
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:45	10/13/2021 20:30	TMP
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.056	0.11	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:45	10/13/2021 20:30	TMP
78-93-3	2-Butanone	0.0056	J	mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:45	10/13/2021 20:30	TMP



Sample Information

Client Sample ID: SB01_10-12

York Sample ID: 21J0466-01

York Project (SDG) No.

21J0466

Client Project ID

170695201

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Collection Date/Time

October 9, 2021 7:40 am

Date Received

10/11/2021

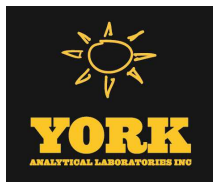
Volatile Organics, 8260 - Comprehensive

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
591-78-6	2-Hexanone	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:45	10/13/2021 20:30	TMP
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:45	10/13/2021 20:30	TMP
67-64-1	Acetone	0.021		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:45	10/13/2021 20:30	TMP
107-02-8	Acrolein	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:45	10/13/2021 20:30	TMP
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:45	10/13/2021 20:30	TMP
71-43-2	Benzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:45	10/13/2021 20:30	TMP
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:45	10/13/2021 20:30	TMP
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:45	10/13/2021 20:30	TMP
75-25-2	Bromoform	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:45	10/13/2021 20:30	TMP
74-83-9	Bromomethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:45	10/13/2021 20:30	TMP
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:45	10/13/2021 20:30	TMP
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:45	10/13/2021 20:30	TMP
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:45	10/13/2021 20:30	TMP
75-00-3	Chloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:45	10/13/2021 20:30	TMP
67-66-3	Chloroform	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:45	10/13/2021 20:30	TMP
74-87-3	Chloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:45	10/13/2021 20:30	TMP
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:45	10/13/2021 20:30	TMP
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:45	10/13/2021 20:30	TMP
110-82-7	Cyclohexane	0.0067		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:45	10/13/2021 20:30	TMP
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:45	10/13/2021 20:30	TMP
74-95-3	Dibromomethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:45	10/13/2021 20:30	TMP
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:45	10/13/2021 20:30	TMP



Sample Information

Client Sample ID: SB01_10-12

York Sample ID: 21J0466-01

York Project (SDG) No.

21J0466

Client Project ID

170695201

Matrix

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Collection Date/Time

October 9, 2021 7:40 am

Date Received

10/11/2021

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
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:45	10/13/2021 20:30	TMP
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:45	10/13/2021 20:30	TMP
98-82-8	Isopropylbenzene	0.035		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:45	10/13/2021 20:30	TMP
79-20-9	Methyl acetate	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:45	10/13/2021 20:30	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:45	10/13/2021 20:30	TMP
108-87-2	Methylcyclohexane	0.032		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:45	10/13/2021 20:30	TMP
75-09-2	Methylene chloride	0.0078	J	mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:45	10/13/2021 20:30	TMP
104-51-8	n-Butylbenzene	0.015		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:45	10/13/2021 20:30	TMP
103-65-1	n-Propylbenzene	0.042		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:45	10/13/2021 20:30	TMP
95-47-6	o-Xylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:45	10/13/2021 20:30	TMP
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:45	10/13/2021 20:30	TMP
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:45	10/13/2021 20:30	TMP
135-98-8	sec-Butylbenzene	0.029		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:45	10/13/2021 20:30	TMP
100-42-5	Styrene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:45	10/13/2021 20:30	TMP
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:45	10/13/2021 20:30	TMP
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:45	10/13/2021 20:30	TMP
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:45	10/13/2021 20:30	TMP
108-88-3	Toluene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:45	10/13/2021 20:30	TMP
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:45	10/13/2021 20:30	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:45	10/13/2021 20:30	TMP
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH	10/13/2021 06:45	10/13/2021 20:30	TMP
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:45	10/13/2021 20:30	TMP



Sample Information

Client Sample ID: SB01_10-12

York Sample ID: 21J0466-01

York Project (SDG) No.
21J0466

Client Project ID
170695201

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Collection Date/Time
October 9, 2021 7:40 am

Date Received
10/11/2021

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
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:45	10/13/2021 20:30	TMP
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:45	10/13/2021 20:30	TMP
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0084	0.017	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	10/13/2021 06:45	10/13/2021 20:30	TMP
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	96.1 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	98.6 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	115 %	76-130								

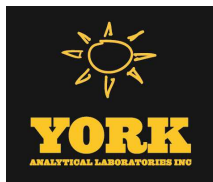
Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	0.152		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 09:59	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0944	0.189	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 09:59	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 09:59	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	10/15/2021 18:42	10/19/2021 09:59	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 09:59	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	10/15/2021 18:42	10/19/2021 09:59	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	10/15/2021 18:42	10/19/2021 09:59	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0944	0.189	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 09:59	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 09:59	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 09:59	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 09:59	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 09:59	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0944	0.189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 09:59	KH



Sample Information

Client Sample ID: SB01_10-12

York Sample ID: 21J0466-01

York Project (SDG) No.

21J0466

Client Project ID

170695201

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Collection Date/Time

October 9, 2021 7:40 am

Date Received

10/11/2021

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 09:59	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 09:59	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 09:59	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 09:59	KH
91-57-6	2-Methylnaphthalene	7.14		mg/kg dry	0.236	0.472	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 10:30	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 09:59	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0944	0.189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 09:59	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 09:59	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 09:59	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 09:59	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0944	0.189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 09:59	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0944	0.189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 09:59	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 09:59	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 09:59	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 09:59	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 09:59	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0944	0.189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 09:59	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0944	0.189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 09:59	KH
83-32-9	Acenaphthene	0.868		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 09:59	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 09:59	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 09:59	KH
62-53-3	Aniline	ND		mg/kg dry	0.189	0.378	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 09:59	KH



Sample Information

Client Sample ID: SB01_10-12

York Sample ID: 21J0466-01

York Project (SDG) No.
21J0466

Client Project ID
170695201

Matrix
Soil

Collection Date/Time
October 9, 2021 7:40 am

Date Received
10/11/2021

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-12-7	Anthracene	0.170		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 09:59	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 09:59	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 09:59	KH
92-87-5	Benzidine	ND		mg/kg dry	0.189	0.378	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	10/15/2021 18:42	10/19/2021 09:59	KH
56-55-3	Benzo(a)anthracene	0.0792	J	mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 09:59	KH
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 09:59	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 09:59	KH
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 09:59	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 09:59	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 09:59	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 09:59	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 09:59	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 09:59	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 09:59	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 09:59	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 09:59	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0944	0.189	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 09:59	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 09:59	KH
218-01-9	Chrysene	0.0724	J	mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 09:59	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 09:59	KH
132-64-9	Dibenzofuran	0.524		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 09:59	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 09:59	KH



Sample Information

Client Sample ID: SB01_10-12

York Sample ID: 21J0466-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21J0466

170695201

Soil

October 9, 2021 7:40 am

10/11/2021

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 09:59	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 09:59	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 09:59	KH
122-39-4	* Diphenylamine	ND		mg/kg dry	0.0944	0.189	2	EPA 8270D Certifications:	10/15/2021 18:42	10/19/2021 09:59	KH
206-44-0	Fluoranthene	0.560		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 09:59	KH
86-73-7	Fluorene	0.618		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 09:59	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 09:59	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 09:59	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 09:59	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 09:59	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 09:59	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 09:59	KH
91-20-3	Naphthalene	2.73		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 09:59	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 09:59	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 09:59	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 09:59	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 09:59	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 09:59	KH
85-01-8	Phenanthrene	1.36		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 09:59	KH
108-95-2	Phenol	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 09:59	KH
129-00-0	Pyrene	0.401		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 09:59	KH
Surrogate Recoveries		Result	Acceptance Range								



Sample Information

Client Sample ID: SB01_10-12

York Sample ID: 21J0466-01

York Project (SDG) No.
21J0466

Client Project ID
170695201

Matrix
Soil

Collection Date/Time
October 9, 2021 7:40 am

Date Received
10/11/2021

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
367-12-4	Surrogate: SURR: 2-Fluorophenol	63.2 %			20-108						
4165-62-2	Surrogate: SURR: Phenol-d5	65.1 %			23-114						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	75.9 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	75.0 %			21-113						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	80.5 %			19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	80.2 %			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		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 10:01	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 10:01	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 10:01	CM
309-00-2	Aldrin	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 10:01	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 10:01	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	10/15/2021 13:22	10/18/2021 10:01	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 10:01	CM
57-74-9	Chlordane, total	ND		mg/kg dry	0.0369	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 10:01	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 10:01	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 10:01	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 10:01	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	10/15/2021 13:22	10/18/2021 10:01	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 10:01	CM
72-20-8	Endrin	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 10:01	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 10:01	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 10:01	CM



Sample Information

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October 9, 2021 7:40 am

Date Received
10/11/2021

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 10:01	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	10/15/2021 13:22	10/18/2021 10:01	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 10:01	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 10:01	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00921	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 10:01	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.0933	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 10:01	CM
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	66.8 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	73.4 %	30-150							

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

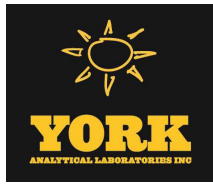
Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 14:37	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 14:37	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 14:37	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 14:37	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 14:37	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 14:37	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 14:37	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications:	10/15/2021 13:22	10/18/2021 14:37	BJ
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	79.0 %	30-140							
2051-24-3	Surrogate: Decachlorobiphenyl	46.5 %	30-140							

Metals, Target Analyte

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: SB01_10-12

York Sample ID: 21J0466-01

York Project (SDG) No.

21J0466

Client Project ID

170695201

Matrix

Soil

Collection Date/Time

October 9, 2021 7:40 am

Date Received

10/11/2021

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	6710		mg/kg dry	5.71	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:28	EM
7440-36-0	Antimony	ND		mg/kg dry	2.86	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:28	EM
7440-38-2	Arsenic	ND		mg/kg dry	1.71	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:28	EM
7440-39-3	Barium	33.5		mg/kg dry	2.86	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:28	EM
7440-41-7	Beryllium	ND		mg/kg dry	0.057	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:28	EM
7440-43-9	Cadmium	ND		mg/kg dry	0.343	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:28	EM
7440-70-2	Calcium	2230		mg/kg dry	5.71	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:28	EM
7440-47-3	Chromium	14.4		mg/kg dry	0.571	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:28	EM
7440-48-4	Cobalt	5.42		mg/kg dry	0.457	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:28	EM
7440-50-8	Copper	11.3		mg/kg dry	2.29	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:28	EM
7439-89-6	Iron	10900		mg/kg dry	28.6	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:28	EM
7439-92-1	Lead	9.51		mg/kg dry	0.571	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:28	EM
7439-95-4	Magnesium	2360		mg/kg dry	5.71	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:28	EM
7439-96-5	Manganese	262		mg/kg dry	0.571	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:28	EM
7440-02-0	Nickel	24.2		mg/kg dry	1.14	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:28	EM
7440-09-7	Potassium	1200	B	mg/kg dry	5.71	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:28	EM
7782-49-2	Selenium	ND		mg/kg dry	2.86	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:28	EM
7440-22-4	Silver	ND		mg/kg dry	0.571	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:28	EM
7440-23-5	Sodium	126		mg/kg dry	57.1	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:28	EM
7440-28-0	Thallium	ND		mg/kg dry	2.86	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:28	EM
7440-62-2	Vanadium	15.4		mg/kg dry	1.14	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:28	EM
7440-66-6	Zinc	19.0		mg/kg dry	2.86	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:28	EM



Sample Information

Client Sample ID: SB01_10-12

York Sample ID: 21J0466-01

York Project (SDG) No.
21J0466

Client Project ID
170695201

Matrix
Soil

Collection Date/Time
October 9, 2021 7:40 am

Date Received
10/11/2021

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.0555		mg/kg dry	0.0343	1	EPA 7473	10/18/2021 13:05	10/18/2021 15:37	BR
Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP										

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.571	1	EPA 7196A	10/14/2021 14:31	10/14/2021 22:04	ZTS
Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP										

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	14.4		mg/kg	0.500	1	Calculation	10/18/2021 13:15	10/18/2021 14:33	PAM
Certifications:										

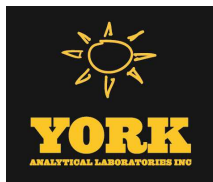
Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	87.5		%	0.100	1	SM 2540G	10/18/2021 09:56	10/18/2021 13:52	VR
Certifications: CTDOH										



Sample Information

Client Sample ID: SB01_3-5

York Sample ID: 21J0466-02

York Project (SDG) No.

21J0466

Client Project ID

170695201

Matrix

Soil

Collection Date/Time

October 9, 2021 8:25 am

Date Received

10/11/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes: VOA-Re

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 00:55	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 00:55	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 00:55	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	10/14/2021 06:56	10/16/2021 00:55	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 00:55	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 00:55	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 00:55	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 00:55	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	10/14/2021 06:56	10/16/2021 00:55	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 00:55	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 00:55	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 00:55	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 00:55	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 00:55	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 00:55	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 00:55	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 00:55	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 00:55	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 00:55	BMC
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.059	0.12	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 00:55	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 00:55	BMC



Sample Information

Client Sample ID: SB01_3-5

York Sample ID: 21J0466-02

York Project (SDG) No.
21J0466

Client Project ID
170695201

Matrix
Soil

Collection Date/Time
October 9, 2021 8:25 am

Date Received
10/11/2021

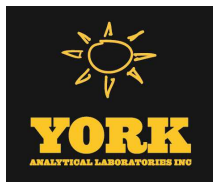
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes: VOA-Re

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 00:55	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 00:55	BMC
67-64-1	Acetone	0.0081	J	mg/kg dry	0.0059	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 00:55	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0059	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 00:55	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 00:55	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 00:55	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 00:55	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 00:55	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 00:55	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 00:55	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 00:55	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 00:55	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 00:55	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 00:55	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 00:55	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 00:55	BMC
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 00:55	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 00:55	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 00:55	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 00:55	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 00:55	BMC
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 00:55	BMC



Sample Information

Client Sample ID: SB01_3-5

York Sample ID: 21J0466-02

York Project (SDG) No.

21J0466

Client Project ID

170695201

Matrix

Soil

Collection Date/Time

October 9, 2021 8:25 am

Date Received

10/11/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes: VOA-Re

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 00:55	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 00:55	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 00:55	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 00:55	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 00:55	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 00:55	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.0059	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 00:55	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 00:55	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 00:55	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 00:55	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0059	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 00:55	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 00:55	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 00:55	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 00:55	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 00:55	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 00:55	BMC
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 00:55	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 00:55	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 00:55	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 00:55	BMC
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH	10/14/2021 06:56	10/16/2021 00:55	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 00:55	BMC



Sample Information

Client Sample ID: SB01_3-5

York Sample ID: 21J0466-02

York Project (SDG) No.
21J0466

Client Project ID
170695201

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Collection Date/Time
October 9, 2021 8:25 am

Date Received
10/11/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes: VOA-Re

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 00:55	BMC
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 00:55	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0088	0.018	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	10/14/2021 06:56	10/16/2021 00:55	BMC
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	112 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	105 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	99.8 %			76-130						

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 11:01	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0975	0.195	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 11:01	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 11:01	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	10/15/2021 18:42	10/19/2021 11:01	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 11:01	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	10/15/2021 18:42	10/19/2021 11:01	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	10/15/2021 18:42	10/19/2021 11:01	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0975	0.195	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 11:01	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 11:01	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 11:01	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 11:01	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 11:01	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0975	0.195	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 11:01	KH



Sample Information

Client Sample ID: SB01_3-5

York Sample ID: 21J0466-02

York Project (SDG) No.
21J0466

Client Project ID
170695201

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Collection Date/Time
October 9, 2021 8:25 am

Date Received
10/11/2021

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 11:01	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 11:01	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 11:01	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 11:01	KH
91-57-6	2-Methylnaphthalene	0.129		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 11:01	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 11:01	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0975	0.195	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 11:01	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 11:01	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 11:01	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 11:01	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0975	0.195	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 11:01	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0975	0.195	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 11:01	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 11:01	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 11:01	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 11:01	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 11:01	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0975	0.195	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 11:01	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0975	0.195	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 11:01	KH
83-32-9	Acenaphthene	0.221		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 11:01	KH
208-96-8	Acenaphthylene	0.447		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 11:01	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 11:01	KH
62-53-3	Aniline	ND		mg/kg dry	0.195	0.391	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 11:01	KH



Sample Information

Client Sample ID: SB01_3-5

York Sample ID: 21J0466-02

York Project (SDG) No.
21J0466

Client Project ID
170695201

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Collection Date/Time
October 9, 2021 8:25 am

Date Received
10/11/2021

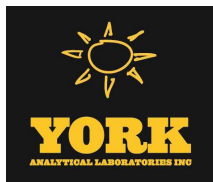
Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-12-7	Anthracene	0.857		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 11:01	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 11:01	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 11:01	KH
92-87-5	Benzidine	ND		mg/kg dry	0.195	0.391	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	10/15/2021 18:42	10/19/2021 11:01	KH
56-55-3	Benzo(a)anthracene	1.80		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 11:01	KH
50-32-8	Benzo(a)pyrene	2.22		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 11:01	KH
205-99-2	Benzo(b)fluoranthene	2.16		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 11:01	KH
191-24-2	Benzo(g,h,i)perylene	1.14		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 11:01	KH
207-08-9	Benzo(k)fluoranthene	1.82		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 11:01	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 11:01	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 11:01	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 11:01	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 11:01	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 11:01	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 11:01	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 11:01	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0975	0.195	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 11:01	KH
86-74-8	Carbazole	0.335		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 11:01	KH
218-01-9	Chrysene	2.15		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 11:01	KH
53-70-3	Dibenzo(a,h)anthracene	0.278		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 11:01	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 11:01	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 11:01	KH



Sample Information

Client Sample ID: SB01_3-5

York Sample ID: 21J0466-02

York Project (SDG) No.

21J0466

Client Project ID

170695201

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Soil

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October 9, 2021 8:25 am

Date Received

10/11/2021

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 11:01	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 11:01	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 11:01	KH
122-39-4	* Diphenylamine	ND		mg/kg dry	0.0975	0.195	2	EPA 8270D Certifications:	10/15/2021 18:42	10/19/2021 11:01	KH
206-44-0	Fluoranthene	2.89		mg/kg dry	0.122	0.244	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 11:32	KH
86-73-7	Fluorene	0.305		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 11:01	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 11:01	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 11:01	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 11:01	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 11:01	KH
193-39-5	Indeno(1,2,3-cd)pyrene	1.03		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 11:01	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 11:01	KH
91-20-3	Naphthalene	0.200		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 11:01	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 11:01	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 11:01	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 11:01	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 11:01	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 11:01	KH
85-01-8	Phenanthrene	2.28		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 11:01	KH
108-95-2	Phenol	ND		mg/kg dry	0.0489	0.0975	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 11:01	KH
129-00-0	Pyrene	2.99		mg/kg dry	0.122	0.244	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/19/2021 11:32	KH
Surrogate Recoveries		Result	Acceptance Range								



Sample Information

Client Sample ID: SB01_3-5

York Sample ID: 21J0466-02

York Project (SDG) No.
21J0466

Client Project ID
170695201

Matrix
Soil

Collection Date/Time
October 9, 2021 8:25 am

Date Received
10/11/2021

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
367-12-4	Surrogate: SURR: 2-Fluorophenol	64.6 %			20-108						
4165-62-2	Surrogate: SURR: Phenol-d5	68.4 %			23-114						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	69.5 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	76.2 %			21-113						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	95.5 %			19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	83.7 %			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		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 10:18	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 10:18	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 10:18	CM
309-00-2	Aldrin	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 10:18	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 10:18	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	10/15/2021 13:22	10/18/2021 10:18	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 10:18	CM
57-74-9	Chlordane, total	ND		mg/kg dry	0.0377	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 10:18	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 10:18	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 10:18	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 10:18	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	10/15/2021 13:22	10/18/2021 10:18	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 10:18	CM
72-20-8	Endrin	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 10:18	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 10:18	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 10:18	CM



Sample Information

Client Sample ID: SB01_3-5

York Sample ID: 21J0466-02

York Project (SDG) No.

21J0466

Client Project ID

170695201

Matrix

Soil

Collection Date/Time

October 9, 2021 8:25 am

Date Received

10/11/2021

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 10:18	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	10/15/2021 13:22	10/18/2021 10:18	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 10:18	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 10:18	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00943	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 10:18	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.0954	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 10:18	CM
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	63.3 %								
877-09-8	Surrogate: Tetrachloro-m-xylene	73.1 %								

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	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 14:51	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 14:51	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 14:51	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 14:51	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 14:51	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 14:51	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 14:51	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications:	10/15/2021 13:22	10/18/2021 14:51	BJ
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	73.5 %								
2051-24-3	Surrogate: Decachlorobiphenyl	45.0 %								

Metals, Target Analyte

Log-in Notes:

Sample Notes:

120 RESEARCH DRIVE

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STRATFORD, CT 06615

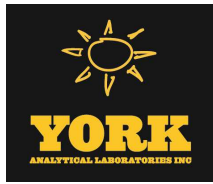
(203) 325-1371

132-02 89th AVENUE

FAX (203) 357-0166

RICHMOND HILL, NY 11418

ClientServices@



Sample Information

Client Sample ID: SB01_3-5

York Sample ID: 21J0466-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21J0466

170695201

Soil

October 9, 2021 8:25 am

10/11/2021

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	8160		mg/kg dry	5.89	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:31	EM
7440-36-0	Antimony	ND		mg/kg dry	2.94	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:31	EM
7440-38-2	Arsenic	ND		mg/kg dry	1.77	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:31	EM
7440-39-3	Barium	111		mg/kg dry	2.94	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:31	EM
7440-41-7	Beryllium	ND		mg/kg dry	0.059	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:31	EM
7440-43-9	Cadmium	0.704		mg/kg dry	0.353	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:31	EM
7440-70-2	Calcium	24400		mg/kg dry	5.89	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:31	EM
7440-47-3	Chromium	18.6		mg/kg dry	0.589	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:31	EM
7440-48-4	Cobalt	8.28		mg/kg dry	0.471	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:31	EM
7440-50-8	Copper	17.6		mg/kg dry	2.35	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:31	EM
7439-89-6	Iron	14700		mg/kg dry	29.4	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:31	EM
7439-92-1	Lead	96.3		mg/kg dry	0.589	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:31	EM
7439-95-4	Magnesium	6000		mg/kg dry	5.89	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:31	EM
7439-96-5	Manganese	375		mg/kg dry	0.589	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:31	EM
7440-02-0	Nickel	40.1		mg/kg dry	1.18	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:31	EM
7440-09-7	Potassium	2380	B	mg/kg dry	5.89	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:31	EM
7782-49-2	Selenium	ND		mg/kg dry	2.94	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:31	EM
7440-22-4	Silver	ND		mg/kg dry	0.589	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:31	EM
7440-23-5	Sodium	227		mg/kg dry	58.9	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:31	EM
7440-28-0	Thallium	ND		mg/kg dry	2.94	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:31	EM
7440-62-2	Vanadium	20.2		mg/kg dry	1.18	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:31	EM
7440-66-6	Zinc	288		mg/kg dry	2.94	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:31	EM



Sample Information

Client Sample ID: SB01_3-5

York Sample ID: 21J0466-02

York Project (SDG) No.
21J0466

Client Project ID
170695201

Matrix
Soil

Collection Date/Time
October 9, 2021 8:25 am

Date Received
10/11/2021

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	1.83		mg/kg dry	0.0353	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	10/18/2021 13:05	10/18/2021 15:44	BR

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.589	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	10/14/2021 14:31	10/14/2021 22:04	ZTS

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	18.6		mg/kg	0.500	1	Calculation Certifications:	10/18/2021 13:15	10/18/2021 14:33	PAM

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	85.0		%	0.100	1	SM 2540G Certifications: CTDOH	10/18/2021 09:56	10/18/2021 13:52	VR



Sample Information

Client Sample ID: SB02_9-11

York Sample ID: 21J0466-05

York Project (SDG) No.

21J0466

Client Project ID

170695201

Matrix

Soil

Collection Date/Time

October 9, 2021 10:45 am

Date Received

10/11/2021

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		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 04:11	TMP
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 04:11	TMP
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 04:11	TMP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	10/13/2021 16:02	10/14/2021 04:11	TMP
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 04:11	TMP
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 04:11	TMP
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 04:11	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 04:11	TMP
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	10/13/2021 16:02	10/14/2021 04:11	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 04:11	TMP
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 04:11	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 04:11	TMP
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 04:11	TMP
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 04:11	TMP
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 04:11	TMP
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 04:11	TMP
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 04:11	TMP
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 04:11	TMP
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 04:11	TMP
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.052	0.10	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 04:11	TMP
78-93-3	2-Butanone	0.012		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 04:11	TMP



Sample Information

Client Sample ID: SB02_9-11

York Sample ID: 21J0466-05

York Project (SDG) No.
21J0466

Client Project ID
170695201

Matrix
Soil

Collection Date/Time
October 9, 2021 10:45 am

Date Received
10/11/2021

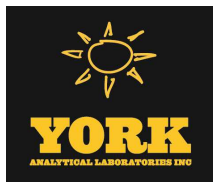
Volatile Organics, 8260 - Comprehensive

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
591-78-6	2-Hexanone	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 04:11	TMP
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 04:11	TMP
67-64-1	Acetone	0.046	CCV-E	mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 04:11	TMP
107-02-8	Acrolein	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 04:11	TMP
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 04:11	TMP
71-43-2	Benzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 04:11	TMP
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 04:11	TMP
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 04:11	TMP
75-25-2	Bromoform	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 04:11	TMP
74-83-9	Bromomethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 04:11	TMP
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 04:11	TMP
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 04:11	TMP
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 04:11	TMP
75-00-3	Chloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 04:11	TMP
67-66-3	Chloroform	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 04:11	TMP
74-87-3	Chloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 04:11	TMP
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 04:11	TMP
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 04:11	TMP
110-82-7	Cyclohexane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 04:11	TMP
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 04:11	TMP
74-95-3	Dibromomethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 04:11	TMP
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 04:11	TMP



Sample Information

Client Sample ID: SB02_9-11

York Sample ID: 21J0466-05

York Project (SDG) No.

21J0466

Client Project ID

170695201

Matrix

Soil

Collection Date/Time

October 9, 2021 10:45 am

Date Received

10/11/2021

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
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 04:11	TMP
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 04:11	TMP
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 04:11	TMP
79-20-9	Methyl acetate	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 04:11	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 04:11	TMP
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 04:11	TMP
75-09-2	Methylene chloride	0.0072	J	mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 04:11	TMP
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 04:11	TMP
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 04:11	TMP
95-47-6	o-Xylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 04:11	TMP
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 04:11	TMP
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 04:11	TMP
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 04:11	TMP
100-42-5	Styrene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 04:11	TMP
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 04:11	TMP
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 04:11	TMP
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 04:11	TMP
108-88-3	Toluene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 04:11	TMP
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 04:11	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 04:11	TMP
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH	10/13/2021 16:02	10/14/2021 04:11	TMP
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 04:11	TMP



Sample Information

Client Sample ID: SB02_9-11

York Sample ID: 21J0466-05

York Project (SDG) No.
21J0466

Client Project ID
170695201

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Soil

Collection Date/Time
October 9, 2021 10:45 am

Date Received
10/11/2021

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
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 04:11	TMP
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 04:11	TMP
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0078	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	10/13/2021 16:02	10/14/2021 04:11	TMP
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	100 %		77-125							
2037-26-5	Surrogate: SURR: Toluene-d8	99.6 %		85-120							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	118 %		76-130							

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:10	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.101	0.202	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:10	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:10	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	10/15/2021 18:42	10/18/2021 22:10	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:10	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	10/15/2021 18:42	10/18/2021 22:10	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	10/15/2021 18:42	10/18/2021 22:10	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.101	0.202	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:10	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:10	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:10	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:10	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:10	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.101	0.202	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:10	KH



Sample Information

Client Sample ID: SB02_9-11

York Sample ID: 21J0466-05

York Project (SDG) No.
21J0466

Client Project ID
170695201

Matrix
Soil

Collection Date/Time
October 9, 2021 10:45 am

Date Received
10/11/2021

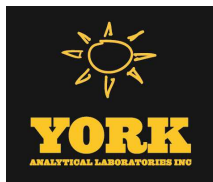
Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:10	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:10	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:10	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:10	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:10	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:10	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.101	0.202	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:10	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:10	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:10	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:10	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.101	0.202	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:10	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.101	0.202	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:10	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:10	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:10	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:10	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:10	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.101	0.202	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:10	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.101	0.202	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:10	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:10	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:10	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:10	KH
62-53-3	Aniline	ND		mg/kg dry	0.202	0.405	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:10	KH



Sample Information

Client Sample ID: SB02_9-11

York Sample ID: 21J0466-05

York Project (SDG) No.

21J0466

Client Project ID

170695201

Matrix

Soil

Collection Date/Time

October 9, 2021 10:45 am

Date Received

10/11/2021

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-12-7	Anthracene	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:10	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:10	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:10	KH
92-87-5	Benzidine	ND		mg/kg dry	0.202	0.405	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	10/15/2021 18:42	10/18/2021 22:10	KH
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:10	KH
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:10	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:10	KH
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:10	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:10	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:10	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:10	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:10	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:10	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:10	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:10	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:10	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.101	0.202	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:10	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:10	KH
218-01-9	Chrysene	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:10	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:10	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:10	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:10	KH



Sample Information

Client Sample ID: SB02_9-11

York Sample ID: 21J0466-05

York Project (SDG) No.
21J0466

Client Project ID
170695201

Matrix
Soil

Collection Date/Time
October 9, 2021 10:45 am

Date Received
10/11/2021

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:10	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:10	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:10	KH
122-39-4	* Diphenylamine	ND		mg/kg dry	0.101	0.202	2	EPA 8270D Certifications:	10/15/2021 18:42	10/18/2021 22:10	KH
206-44-0	Fluoranthene	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:10	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:10	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:10	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:10	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:10	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:10	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:10	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:10	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:10	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:10	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:10	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:10	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:10	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:10	KH
85-01-8	Phenanthrene	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:10	KH
108-95-2	Phenol	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:10	KH
129-00-0	Pyrene	ND		mg/kg dry	0.0507	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:10	KH
Surrogate Recoveries		Result	Acceptance Range								



Sample Information

Client Sample ID: SB02_9-11

York Sample ID: 21J0466-05

York Project (SDG) No.
21J0466

Client Project ID
170695201

Matrix
Soil

Collection Date/Time
October 9, 2021 10:45 am

Date Received
10/11/2021

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
367-12-4	Surrogate: SURR: 2-Fluorophenol	50.8 %			20-108						
4165-62-2	Surrogate: SURR: Phenol-d5	51.2 %			23-114						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	60.3 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	51.7 %			21-113						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	71.3 %			19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	78.9 %			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		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 10:35	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 10:35	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 10:35	CM
309-00-2	Aldrin	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 10:35	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 10:35	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	10/15/2021 13:22	10/18/2021 10:35	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 10:35	CM
57-74-9	Chlordane, total	ND		mg/kg dry	0.0400	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 10:35	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 10:35	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 10:35	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 10:35	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	10/15/2021 13:22	10/18/2021 10:35	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 10:35	CM
72-20-8	Endrin	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 10:35	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 10:35	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 10:35	CM



Sample Information

Client Sample ID: SB02_9-11

York Sample ID: 21J0466-05

York Project (SDG) No.
21J0466

Client Project ID
170695201

Matrix
Soil

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October 9, 2021 10:45 am

Date Received
10/11/2021

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 10:35	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	10/15/2021 13:22	10/18/2021 10:35	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 10:35	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 10:35	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.0100	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 10:35	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.101	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 10:35	CM
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	84.4 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	92.4 %	30-150							

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

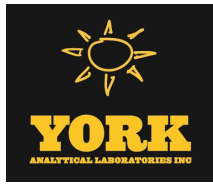
Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0202	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 15:04	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0202	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 15:04	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0202	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 15:04	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0202	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 15:04	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0202	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 15:04	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0202	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 15:04	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0202	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 15:04	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0202	1	EPA 8082A Certifications:	10/15/2021 13:22	10/18/2021 15:04	BJ
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	91.0 %	30-140							
2051-24-3	Surrogate: Decachlorobiphenyl	60.5 %	30-140							

Metals, Target Analyte

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: SB02_9-11

York Sample ID: 21J0466-05

York Project (SDG) No.

21J0466

Client Project ID

170695201

Matrix

Soil

Collection Date/Time

October 9, 2021 10:45 am

Date Received

10/11/2021

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	11200		mg/kg dry	6.12	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:33	EM
7440-36-0	Antimony	ND		mg/kg dry	3.06	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:33	EM
7440-38-2	Arsenic	ND		mg/kg dry	1.84	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:33	EM
7440-39-3	Barium	74.9		mg/kg dry	3.06	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:33	EM
7440-41-7	Beryllium	ND		mg/kg dry	0.061	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:33	EM
7440-43-9	Cadmium	ND		mg/kg dry	0.367	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:33	EM
7440-70-2	Calcium	15200		mg/kg dry	6.12	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:33	EM
7440-47-3	Chromium	28.4		mg/kg dry	0.612	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:33	EM
7440-48-4	Cobalt	11.5		mg/kg dry	0.490	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:33	EM
7440-50-8	Copper	16.8		mg/kg dry	2.45	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:33	EM
7439-89-6	Iron	21000		mg/kg dry	30.6	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:33	EM
7439-92-1	Lead	40.3		mg/kg dry	0.612	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:33	EM
7439-95-4	Magnesium	10400		mg/kg dry	6.12	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:33	EM
7439-96-5	Manganese	609		mg/kg dry	0.612	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:33	EM
7440-02-0	Nickel	89.6		mg/kg dry	1.22	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:33	EM
7440-09-7	Potassium	3180	B	mg/kg dry	6.12	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:33	EM
7782-49-2	Selenium	ND		mg/kg dry	3.06	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:33	EM
7440-22-4	Silver	ND		mg/kg dry	0.612	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:33	EM
7440-23-5	Sodium	254		mg/kg dry	61.2	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:33	EM
7440-28-0	Thallium	ND		mg/kg dry	3.06	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:33	EM
7440-62-2	Vanadium	25.1		mg/kg dry	1.22	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:33	EM
7440-66-6	Zinc	36.3		mg/kg dry	3.06	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:33	EM



Sample Information

Client Sample ID: SB02_9-11

York Sample ID: 21J0466-05

York Project (SDG) No.
21J0466

Client Project ID
170695201

Matrix
Soil

Collection Date/Time
October 9, 2021 10:45 am

Date Received
10/11/2021

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	1.88		mg/kg dry	0.0367	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	10/18/2021 13:05	10/18/2021 16:04	BR

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.612	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	10/14/2021 14:31	10/14/2021 22:04	ZTS

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	28.4		mg/kg	0.500	1	Calculation Certifications:	10/18/2021 13:15	10/18/2021 14:33	PAM

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	81.7		%	0.100	1	SM 2540G Certifications: CTDOH	10/18/2021 09:56	10/18/2021 13:52	VR



Sample Information

Client Sample ID: SB08_3-5

York Sample ID: 21J0466-09

York Project (SDG) No.

21J0466

Client Project ID

170695201

Matrix

Soil

Collection Date/Time

October 9, 2021 1:20 pm

Date Received

10/11/2021

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		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 05:54	TMP
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 05:54	TMP
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 05:54	TMP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	10/13/2021 16:02	10/14/2021 05:54	TMP
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 05:54	TMP
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 05:54	TMP
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 05:54	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 05:54	TMP
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	10/13/2021 16:02	10/14/2021 05:54	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 05:54	TMP
95-63-6	1,2,4-Trimethylbenzene	15		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 05:54	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 05:54	TMP
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 05:54	TMP
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 05:54	TMP
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 05:54	TMP
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 05:54	TMP
108-67-8	1,3,5-Trimethylbenzene	4.1		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 05:54	TMP
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 05:54	TMP
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 05:54	TMP
123-91-1	1,4-Dioxane	ND		mg/kg dry	4.7	9.4	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 05:54	TMP
78-93-3	2-Butanone	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 05:54	TMP



Sample Information

Client Sample ID: SB08_3-5

York Sample ID: 21J0466-09

York Project (SDG) No.
21J0466

Client Project ID
170695201

Matrix
Soil

Collection Date/Time
October 9, 2021 1:20 pm

Date Received
10/11/2021

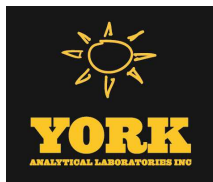
Volatile Organics, 8260 - Comprehensive

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
591-78-6	2-Hexanone	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 05:54	TMP
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 05:54	TMP
67-64-1	Acetone	0.50	CCV-E, J	mg/kg dry	0.47	0.94	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 05:54	TMP
107-02-8	Acrolein	ND		mg/kg dry	0.47	0.94	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 05:54	TMP
107-13-1	Acrylonitrile	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 05:54	TMP
71-43-2	Benzene	0.59		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 05:54	TMP
74-97-5	Bromochloromethane	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 05:54	TMP
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 05:54	TMP
75-25-2	Bromoform	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 05:54	TMP
74-83-9	Bromomethane	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 05:54	TMP
75-15-0	Carbon disulfide	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 05:54	TMP
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 05:54	TMP
108-90-7	Chlorobenzene	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 05:54	TMP
75-00-3	Chloroethane	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 05:54	TMP
67-66-3	Chloroform	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 05:54	TMP
74-87-3	Chloromethane	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 05:54	TMP
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 05:54	TMP
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 05:54	TMP
110-82-7	Cyclohexane	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 05:54	TMP
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 05:54	TMP
74-95-3	Dibromomethane	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 05:54	TMP
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 05:54	TMP



Sample Information

Client Sample ID: SB08_3-5

York Sample ID: 21J0466-09

York Project (SDG) No.

21J0466

Client Project ID

170695201

Matrix

Soil

Collection Date/Time

October 9, 2021 1:20 pm

Date Received

10/11/2021

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
100-41-4	Ethyl Benzene	4.4		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 05:54	TMP
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 05:54	TMP
98-82-8	Isopropylbenzene	0.41	J	mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 05:54	TMP
79-20-9	Methyl acetate	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 05:54	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 05:54	TMP
108-87-2	Methylcyclohexane	0.35	J	mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 05:54	TMP
75-09-2	Methylene chloride	ND		mg/kg dry	0.47	0.94	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 05:54	TMP
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 05:54	TMP
103-65-1	n-Propylbenzene	1.1		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 05:54	TMP
95-47-6	o-Xylene	16		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 05:54	TMP
179601-23-1	p- & m- Xylenes	33		mg/kg dry	0.47	0.94	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 05:54	TMP
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 05:54	TMP
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 05:54	TMP
100-42-5	Styrene	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 05:54	TMP
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 05:54	TMP
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 05:54	TMP
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 05:54	TMP
108-88-3	Toluene	27	VOA-E, E	mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 05:54	TMP
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 05:54	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 05:54	TMP
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH	10/13/2021 16:02	10/14/2021 05:54	TMP
79-01-6	Trichloroethylene	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 05:54	TMP



Sample Information

Client Sample ID: SB08_3-5

York Sample ID: 21J0466-09

York Project (SDG) No.
21J0466

Client Project ID
170695201

Matrix
Soil

Collection Date/Time
October 9, 2021 1:20 pm

Date Received
10/11/2021

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
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 05:54	TMP
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 05:54	TMP
1330-20-7	Xylenes, Total	50		mg/kg dry	0.71	1.4	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	10/13/2021 16:02	10/14/2021 05:54	TMP
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	95.6 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	97.3 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	113 %	76-130								

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:41	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0949	0.190	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:41	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:41	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	10/15/2021 18:42	10/18/2021 22:41	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:41	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	10/15/2021 18:42	10/18/2021 22:41	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	10/15/2021 18:42	10/18/2021 22:41	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0949	0.190	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:41	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:41	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:41	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:41	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:41	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0949	0.190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:41	KH



Sample Information

Client Sample ID: SB08_3-5

York Sample ID: 21J0466-09

York Project (SDG) No.
21J0466

Client Project ID
170695201

Matrix
Soil

Collection Date/Time
October 9, 2021 1:20 pm

Date Received
10/11/2021

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:41	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:41	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:41	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:41	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:41	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:41	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0949	0.190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:41	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:41	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:41	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:41	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0949	0.190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:41	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0949	0.190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:41	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:41	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:41	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:41	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:41	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0949	0.190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:41	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0949	0.190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:41	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:41	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:41	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:41	KH
62-53-3	Aniline	ND		mg/kg dry	0.190	0.380	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:41	KH



Sample Information

Client Sample ID: SB08_3-5

York Sample ID: 21J0466-09

York Project (SDG) No.
21J0466

Client Project ID
170695201

Matrix
Soil

Collection Date/Time
October 9, 2021 1:20 pm

Date Received
10/11/2021

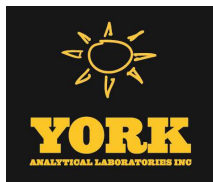
Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-12-7	Anthracene	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:41	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:41	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:41	KH
92-87-5	Benzidine	ND		mg/kg dry	0.190	0.380	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	10/15/2021 18:42	10/18/2021 22:41	KH
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:41	KH
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:41	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:41	KH
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:41	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:41	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:41	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:41	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:41	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:41	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:41	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:41	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:41	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0949	0.190	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:41	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:41	KH
218-01-9	Chrysene	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:41	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:41	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:41	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:41	KH



Sample Information

Client Sample ID: SB08_3-5

York Sample ID: 21J0466-09

York Project (SDG) No.

21J0466

Client Project ID

170695201

Matrix

Soil

Collection Date/Time

October 9, 2021 1:20 pm

Date Received

10/11/2021

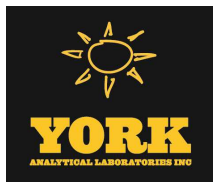
Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:41	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:41	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:41	KH
122-39-4	* Diphenylamine	ND		mg/kg dry	0.0949	0.190	2	EPA 8270D Certifications:	10/15/2021 18:42	10/18/2021 22:41	KH
206-44-0	Fluoranthene	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:41	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:41	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:41	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:41	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:41	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:41	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:41	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:41	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:41	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:41	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:41	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:41	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:41	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:41	KH
85-01-8	Phenanthrene	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:41	KH
108-95-2	Phenol	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:41	KH
129-00-0	Pyrene	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 22:41	KH
Surrogate Recoveries		Result	Acceptance Range								



Sample Information

Client Sample ID: SB08_3-5

York Sample ID: 21J0466-09

York Project (SDG) No.

21J0466

Client Project ID

170695201

Matrix

Soil

Collection Date/Time

October 9, 2021 1:20 pm

Date Received

10/11/2021

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
367-12-4	Surrogate: SURR: 2-Fluorophenol	52.0 %			20-108						
4165-62-2	Surrogate: SURR: Phenol-d5	55.6 %			23-114						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	61.0 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	54.1 %			21-113						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	75.8 %			19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	68.5 %			24-116						

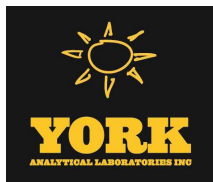
Pesticides, 8081 target list

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		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 10:51	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 10:51	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 10:51	CM
309-00-2	Aldrin	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 10:51	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 10:51	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	10/15/2021 13:22	10/18/2021 10:51	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 10:51	CM
57-74-9	Chlordane, total	ND		mg/kg dry	0.0374	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 10:51	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 10:51	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 10:51	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 10:51	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	10/15/2021 13:22	10/18/2021 10:51	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 10:51	CM
72-20-8	Endrin	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 10:51	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 10:51	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 10:51	CM



Sample Information

Client Sample ID: SB08_3-5

York Sample ID: 21J0466-09

York Project (SDG) No.

21J0466

Client Project ID

170695201

Matrix

Soil

Collection Date/Time

October 9, 2021 1:20 pm

Date Received

10/11/2021

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 10:51	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	10/15/2021 13:22	10/18/2021 10:51	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 10:51	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 10:51	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00935	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 10:51	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.0947	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 10:51	CM
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	72.3 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	87.8 %	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
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 15:18	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 15:18	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 15:18	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 15:18	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 15:18	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 15:18	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 15:18	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications:	10/15/2021 13:22	10/18/2021 15:18	BJ
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	75.0 %	30-140							
2051-24-3	Surrogate: Decachlorobiphenyl	50.0 %	30-140							

Metals, Target Analyte

Log-in Notes:

Sample Notes:

120 RESEARCH DRIVE

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STRATFORD, CT 06615

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ClientServices@



Sample Information

Client Sample ID: SB08_3-5

York Sample ID: 21J0466-09

York Project (SDG) No.
21J0466

Client Project ID
170695201

Matrix
Soil

Collection Date/Time
October 9, 2021 1:20 pm

Date Received
10/11/2021

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	9390		mg/kg dry	5.80	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:36	EM
7440-36-0	Antimony	ND		mg/kg dry	2.90	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:36	EM
7440-38-2	Arsenic	ND		mg/kg dry	1.74	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:36	EM
7440-39-3	Barium	101		mg/kg dry	2.90	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:36	EM
7440-41-7	Beryllium	ND		mg/kg dry	0.058	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:36	EM
7440-43-9	Cadmium	ND		mg/kg dry	0.348	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:36	EM
7440-70-2	Calcium	13900		mg/kg dry	5.80	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:36	EM
7440-47-3	Chromium	21.6		mg/kg dry	0.580	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:36	EM
7440-48-4	Cobalt	9.74		mg/kg dry	0.464	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:36	EM
7440-50-8	Copper	13.4		mg/kg dry	2.32	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:36	EM
7439-89-6	Iron	18400		mg/kg dry	29.0	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:36	EM
7439-92-1	Lead	14.6		mg/kg dry	0.580	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:36	EM
7439-95-4	Magnesium	8010		mg/kg dry	5.80	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:36	EM
7439-96-5	Manganese	387		mg/kg dry	0.580	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:36	EM
7440-02-0	Nickel	50.1		mg/kg dry	1.16	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:36	EM
7440-09-7	Potassium	3040	B	mg/kg dry	5.80	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:36	EM
7782-49-2	Selenium	ND		mg/kg dry	2.90	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:36	EM
7440-22-4	Silver	ND		mg/kg dry	0.580	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:36	EM
7440-23-5	Sodium	231		mg/kg dry	58.0	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:36	EM
7440-28-0	Thallium	ND		mg/kg dry	2.90	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:36	EM
7440-62-2	Vanadium	22.6		mg/kg dry	1.16	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:36	EM
7440-66-6	Zinc	47.9		mg/kg dry	2.90	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:36	EM



Sample Information

Client Sample ID: SB08_3-5

York Sample ID: 21J0466-09

York Project (SDG) No.
21J0466

Client Project ID
170695201

Matrix
Soil

Collection Date/Time
October 9, 2021 1:20 pm

Date Received
10/11/2021

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0348	1	EPA 7473	10/18/2021 13:05	10/18/2021 16:21	BR
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.580	1	EPA 7196A	10/14/2021 14:31	10/14/2021 22:04	ZTS
							Certifications:	NJDEP,CTDOH,NELAC-NY10854,PADEP		

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	21.6		mg/kg	0.500	1	Calculation	10/18/2021 13:15	10/18/2021 14:33	PAM
							Certifications:			

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	86.2		%	0.100	1	SM 2540G	10/18/2021 09:56	10/18/2021 13:52	VR
							Certifications:	CTDOH		



Sample Information

Client Sample ID: SB08_14-16

York Sample ID: 21J0466-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21J0466

170695201

Soil

October 9, 2021 1:45 pm

10/11/2021

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		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 06:20	TMP
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 06:20	TMP
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 06:20	TMP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	10/13/2021 16:02	10/14/2021 06:20	TMP
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 06:20	TMP
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 06:20	TMP
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 06:20	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 06:20	TMP
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	10/13/2021 16:02	10/14/2021 06:20	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 06:20	TMP
95-63-6	1,2,4-Trimethylbenzene	0.037		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 06:20	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 06:20	TMP
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 06:20	TMP
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 06:20	TMP
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 06:20	TMP
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 06:20	TMP
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 06:20	TMP
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 06:20	TMP
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 06:20	TMP
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.042	0.084	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 06:20	TMP
78-93-3	2-Butanone	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 06:20	TMP



Sample Information

Client Sample ID: SB08_14-16

York Sample ID: 21J0466-10

York Project (SDG) No.
21J0466

Client Project ID
170695201

Matrix
Soil

Collection Date/Time
October 9, 2021 1:45 pm

Date Received
10/11/2021

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
591-78-6	2-Hexanone	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 06:20	TMP
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 06:20	TMP
67-64-1	Acetone	ND		mg/kg dry	0.0042	0.0084	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 06:20	TMP
107-02-8	Acrolein	ND		mg/kg dry	0.0042	0.0084	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 06:20	TMP
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 06:20	TMP
71-43-2	Benzene	0.0021	J	mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 06:20	TMP
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 06:20	TMP
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 06:20	TMP
75-25-2	Bromoform	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 06:20	TMP
74-83-9	Bromomethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 06:20	TMP
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 06:20	TMP
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 06:20	TMP
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 06:20	TMP
75-00-3	Chloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 06:20	TMP
67-66-3	Chloroform	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 06:20	TMP
74-87-3	Chloromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 06:20	TMP
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 06:20	TMP
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 06:20	TMP
110-82-7	Cyclohexane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 06:20	TMP
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 06:20	TMP
74-95-3	Dibromomethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 06:20	TMP
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 06:20	TMP



Sample Information

Client Sample ID: SB08_14-16

York Sample ID: 21J0466-10

York Project (SDG) No.

21J0466

Client Project ID

170695201

Matrix

Soil

Collection Date/Time

October 9, 2021 1:45 pm

Date Received

10/11/2021

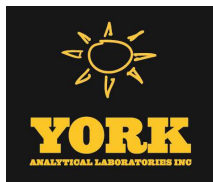
Volatile Organics, 8260 - Comprehensive

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
100-41-4	Ethyl Benzene	0.0037	J	mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 06:20	TMP
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 06:20	TMP
98-82-8	Isopropylbenzene	0.0084		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 06:20	TMP
79-20-9	Methyl acetate	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 06:20	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 06:20	TMP
108-87-2	Methylcyclohexane	0.012		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 06:20	TMP
75-09-2	Methylene chloride	ND		mg/kg dry	0.0042	0.0084	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 06:20	TMP
104-51-8	n-Butylbenzene	0.0091		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 06:20	TMP
103-65-1	n-Propylbenzene	0.033		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 06:20	TMP
95-47-6	o-Xylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 06:20	TMP
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0042	0.0084	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 06:20	TMP
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 06:20	TMP
135-98-8	sec-Butylbenzene	0.0046		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 06:20	TMP
100-42-5	Styrene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 06:20	TMP
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 06:20	TMP
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 06:20	TMP
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 06:20	TMP
108-88-3	Toluene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 06:20	TMP
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 06:20	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 06:20	TMP
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH	10/13/2021 16:02	10/14/2021 06:20	TMP
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 06:20	TMP



Sample Information

Client Sample ID: SB08_14-16

York Sample ID: 21J0466-10

York Project (SDG) No.

21J0466

Client Project ID

170695201

Matrix

Soil

Collection Date/Time

October 9, 2021 1:45 pm

Date Received

10/11/2021

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
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 06:20	TMP
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 16:02	10/14/2021 06:20	TMP
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0063	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	10/13/2021 16:02	10/14/2021 06:20	TMP
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	88.1 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	99.0 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	116 %			76-130						

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0487	0.0973	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:12	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0973	0.194	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:12	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0487	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:12	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0487	0.0973	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	10/15/2021 18:42	10/18/2021 23:12	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0487	0.0973	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:12	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0487	0.0973	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	10/15/2021 18:42	10/18/2021 23:12	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0487	0.0973	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	10/15/2021 18:42	10/18/2021 23:12	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0973	0.194	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:12	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0487	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:12	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0487	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:12	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0487	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:12	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0487	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:12	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0973	0.194	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:12	KH



Sample Information

Client Sample ID: SB08_14-16

York Sample ID: 21J0466-10

York Project (SDG) No.

21J0466

Client Project ID

170695201

Matrix

Soil

Collection Date/Time

October 9, 2021 1:45 pm

Date Received

10/11/2021

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0487	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:12	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0487	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:12	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0487	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:12	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0487	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:12	KH
91-57-6	2-Methylnaphthalene	0.197		mg/kg dry	0.0487	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:12	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0487	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:12	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0973	0.194	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:12	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0487	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:12	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0487	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:12	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0487	0.0973	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:12	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0973	0.194	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:12	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0973	0.194	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:12	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0487	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:12	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0487	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:12	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0487	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:12	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0487	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:12	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0973	0.194	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:12	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0973	0.194	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:12	KH
83-32-9	Acenaphthene	0.0622	J	mg/kg dry	0.0487	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:12	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0487	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:12	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0487	0.0973	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:12	KH
62-53-3	Aniline	ND		mg/kg dry	0.195	0.389	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:12	KH



Sample Information

Client Sample ID: SB08_14-16

York Sample ID: 21J0466-10

York Project (SDG) No.
21J0466

Client Project ID
170695201

Matrix
Soil

Collection Date/Time
October 9, 2021 1:45 pm

Date Received
10/11/2021

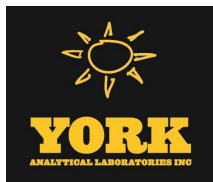
Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-12-7	Anthracene	ND		mg/kg dry	0.0487	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:12	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0487	0.0973	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:12	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0487	0.0973	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:12	KH
92-87-5	Benzidine	ND		mg/kg dry	0.195	0.389	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	10/15/2021 18:42	10/18/2021 23:12	KH
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0487	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:12	KH
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0487	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:12	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0487	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:12	KH
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0487	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:12	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0487	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:12	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0487	0.0973	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:12	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0487	0.0973	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:12	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0487	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:12	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0487	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:12	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0487	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:12	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0487	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:12	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0487	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:12	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0973	0.194	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:12	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0487	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:12	KH
218-01-9	Chrysene	ND		mg/kg dry	0.0487	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:12	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0487	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:12	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0487	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:12	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0487	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:12	KH



Sample Information

Client Sample ID: SB08_14-16

York Sample ID: 21J0466-10

York Project (SDG) No.

21J0466

Client Project ID

170695201

Matrix

Soil

Collection Date/Time

October 9, 2021 1:45 pm

Date Received

10/11/2021

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0487	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:12	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0487	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:12	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0487	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:12	KH
122-39-4	* Diphenylamine	ND		mg/kg dry	0.0973	0.194	2	EPA 8270D Certifications:	10/15/2021 18:42	10/18/2021 23:12	KH
206-44-0	Fluoranthene	ND		mg/kg dry	0.0487	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:12	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0487	0.0973	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:12	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0487	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:12	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0487	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:12	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0487	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:12	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0487	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:12	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0487	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:12	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0487	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:12	KH
91-20-3	Naphthalene	0.0832	J	mg/kg dry	0.0487	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:12	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0487	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:12	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0487	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:12	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0487	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:12	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0487	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:12	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0487	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:12	KH
85-01-8	Phenanthrene	0.0863	J	mg/kg dry	0.0487	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:12	KH
108-95-2	Phenol	ND		mg/kg dry	0.0487	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:12	KH
129-00-0	Pyrene	ND		mg/kg dry	0.0487	0.0973	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:12	KH

Surrogate Recoveries

Result

Acceptance Range

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@

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Sample Information

Client Sample ID: SB08_14-16

York Sample ID: 21J0466-10

York Project (SDG) No.
21J0466

Client Project ID
170695201

Matrix
Soil

Collection Date/Time
October 9, 2021 1:45 pm

Date Received
10/11/2021

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
367-12-4	Surrogate: SURR: 2-Fluorophenol	64.7 %			20-108						
4165-62-2	Surrogate: SURR: Phenol-d5	64.2 %			23-114						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	73.0 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	60.2 %			21-113						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	82.6 %			19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	76.4 %			24-116						

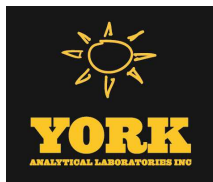
Pesticides, 8081 target list

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		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 11:08	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 11:08	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 11:08	CM
309-00-2	Aldrin	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 11:08	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 11:08	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	10/15/2021 13:22	10/18/2021 11:08	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 11:08	CM
57-74-9	Chlordane, total	ND		mg/kg dry	0.0386	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 11:08	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 11:08	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 11:08	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 11:08	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	10/15/2021 13:22	10/18/2021 11:08	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 11:08	CM
72-20-8	Endrin	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 11:08	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 11:08	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 11:08	CM



Sample Information

Client Sample ID: SB08_14-16

York Sample ID: 21J0466-10

York Project (SDG) No.

21J0466

Client Project ID

170695201

Matrix

Soil

Collection Date/Time

October 9, 2021 1:45 pm

Date Received

10/11/2021

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 11:08	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	10/15/2021 13:22	10/18/2021 11:08	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 11:08	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 11:08	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00965	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 11:08	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.0977	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 11:08	CM
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	77.2 %		30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	91.0 %		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
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 15:31	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 15:31	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 15:31	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 15:31	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 15:31	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 15:31	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 15:31	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications:	10/15/2021 13:22	10/18/2021 15:31	BJ
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	79.0 %		30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	53.0 %		30-140						

Metals, Target Analyte

Log-in Notes:

Sample Notes:

120 RESEARCH DRIVE

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STRATFORD, CT 06615

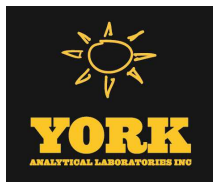
(203) 325-1371

132-02 89th AVENUE

FAX (203) 357-0166

RICHMOND HILL, NY 11418

ClientServices@



Sample Information

Client Sample ID: SB08_14-16

York Sample ID: 21J0466-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21J0466

170695201

Soil

October 9, 2021 1:45 pm

10/11/2021

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	11600		mg/kg dry	5.99	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:39	EM
7440-36-0	Antimony	ND		mg/kg dry	2.99	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:39	EM
7440-38-2	Arsenic	ND		mg/kg dry	1.80	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:39	EM
7440-39-3	Barium	84.9		mg/kg dry	2.99	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:39	EM
7440-41-7	Beryllium	ND		mg/kg dry	0.060	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:39	EM
7440-43-9	Cadmium	ND		mg/kg dry	0.359	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:39	EM
7440-70-2	Calcium	5160		mg/kg dry	5.99	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:39	EM
7440-47-3	Chromium	27.3		mg/kg dry	0.599	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:39	EM
7440-48-4	Cobalt	9.81		mg/kg dry	0.479	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:39	EM
7440-50-8	Copper	36.7		mg/kg dry	2.39	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:39	EM
7439-89-6	Iron	15100		mg/kg dry	29.9	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:39	EM
7439-92-1	Lead	35.0		mg/kg dry	0.599	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:39	EM
7439-95-4	Magnesium	3680		mg/kg dry	5.99	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:39	EM
7439-96-5	Manganese	216		mg/kg dry	0.599	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:39	EM
7440-02-0	Nickel	45.6		mg/kg dry	1.20	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:39	EM
7440-09-7	Potassium	1260	B	mg/kg dry	5.99	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:39	EM
7782-49-2	Selenium	ND		mg/kg dry	2.99	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:39	EM
7440-22-4	Silver	0.926		mg/kg dry	0.599	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:39	EM
7440-23-5	Sodium	122		mg/kg dry	59.9	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:39	EM
7440-28-0	Thallium	ND		mg/kg dry	2.99	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:39	EM
7440-62-2	Vanadium	22.9		mg/kg dry	1.20	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:39	EM
7440-66-6	Zinc	51.5		mg/kg dry	2.99	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:39	EM



Sample Information

Client Sample ID: SB08_14-16

York Sample ID: 21J0466-10

York Project (SDG) No.
21J0466

Client Project ID
170695201

Matrix
Soil

Collection Date/Time
October 9, 2021 1:45 pm

Date Received
10/11/2021

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.0557		mg/kg dry	0.0359	1	EPA 7473	10/18/2021 13:05	10/18/2021 16:30	BR
Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP										

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.599	1	EPA 7196A	10/14/2021 14:31	10/14/2021 22:04	ZTS
Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP										

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	27.3		mg/kg	0.500	1	Calculation	10/18/2021 13:15	10/18/2021 14:33	PAM
Certifications:										

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	83.5		%	0.100	1	SM 2540G	10/18/2021 09:56	10/18/2021 13:52	VR
Certifications: CTDOH										



Sample Information

Client Sample ID: SB09_12-14

York Sample ID: 21J0466-12

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21J0466

170695201

Soil

October 9, 2021 3:05 pm

10/11/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes: VOA-Re

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 01:47	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 01:47	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 01:47	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	10/14/2021 06:56	10/16/2021 01:47	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 01:47	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 01:47	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 01:47	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 01:47	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	10/14/2021 06:56	10/16/2021 01:47	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 01:47	BMC
95-63-6	1,2,4-Trimethylbenzene	0.0068		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 01:47	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 01:47	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 01:47	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 01:47	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 01:47	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 01:47	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 01:47	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 01:47	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 01:47	BMC
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.058	0.12	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 01:47	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 01:47	BMC



Sample Information

Client Sample ID: SB09_12-14

York Sample ID: 21J0466-12

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21J0466

170695201

Soil

October 9, 2021 3:05 pm

10/11/2021

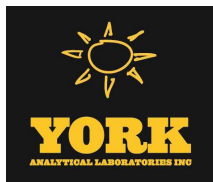
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes: VOA-Re

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 01:47	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 01:47	BMC
67-64-1	Acetone	0.030		mg/kg dry	0.0058	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 01:47	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0058	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 01:47	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 01:47	BMC
71-43-2	Benzene	0.0049	J	mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 01:47	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 01:47	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 01:47	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 01:47	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 01:47	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 01:47	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 01:47	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 01:47	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 01:47	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 01:47	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 01:47	BMC
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 01:47	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 01:47	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 01:47	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 01:47	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 01:47	BMC
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 01:47	BMC



Sample Information

Client Sample ID: SB09_12-14

York Sample ID: 21J0466-12

York Project (SDG) No.

21J0466

Client Project ID

170695201

Matrix

Soil

Collection Date/Time

October 9, 2021 3:05 pm

Date Received

10/11/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes: VOA-Re

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	0.0034	J	mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 01:47	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 01:47	BMC
98-82-8	Isopropylbenzene	0.021		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 01:47	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 01:47	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 01:47	BMC
108-87-2	Methylcyclohexane	0.0044	J	mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 01:47	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.0058	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 01:47	BMC
104-51-8	n-Butylbenzene	0.0057	J	mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 01:47	BMC
103-65-1	n-Propylbenzene	0.061		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 01:47	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 01:47	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0058	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 01:47	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 01:47	BMC
135-98-8	sec-Butylbenzene	0.0067		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 01:47	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 01:47	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 01:47	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 01:47	BMC
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 01:47	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 01:47	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 01:47	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 01:47	BMC
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH	10/14/2021 06:56	10/16/2021 01:47	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 01:47	BMC



Sample Information

Client Sample ID: SB09_12-14

York Sample ID: 21J0466-12

York Project (SDG) No.
21J0466

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170695201

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October 9, 2021 3:05 pm

Date Received
10/11/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes: VOA-Re

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 01:47	BMC
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0029	0.0058	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/14/2021 06:56	10/16/2021 01:47	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0086	0.017	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	10/14/2021 06:56	10/16/2021 01:47	BMC
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	111 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	103 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	95.8 %	76-130								

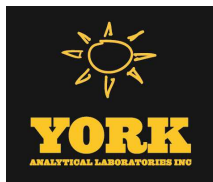
Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:43	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0938	0.187	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:43	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:43	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	10/15/2021 18:42	10/18/2021 23:43	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:43	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	10/15/2021 18:42	10/18/2021 23:43	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	10/15/2021 18:42	10/18/2021 23:43	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0938	0.187	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:43	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:43	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:43	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:43	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:43	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0938	0.187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:43	KH



Sample Information

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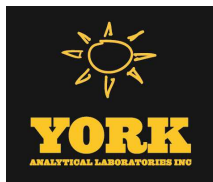
Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:43	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:43	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:43	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:43	KH
91-57-6	2-Methylnaphthalene	0.319		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:43	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:43	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0938	0.187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:43	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:43	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:43	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:43	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0938	0.187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:43	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0938	0.187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:43	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:43	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:43	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:43	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:43	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0938	0.187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:43	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0938	0.187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:43	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:43	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:43	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:43	KH
62-53-3	Aniline	ND		mg/kg dry	0.188	0.376	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:43	KH



Sample Information

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York Project (SDG) No.

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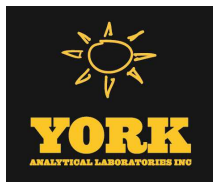
Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-12-7	Anthracene	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:43	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:43	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:43	KH
92-87-5	Benzidine	ND		mg/kg dry	0.188	0.376	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	10/15/2021 18:42	10/18/2021 23:43	KH
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:43	KH
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:43	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:43	KH
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:43	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:43	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:43	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:43	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:43	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:43	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:43	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:43	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:43	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0938	0.187	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:43	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:43	KH
218-01-9	Chrysene	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:43	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:43	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:43	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:43	KH



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Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:43	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:43	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:43	KH
122-39-4	* Diphenylamine	ND		mg/kg dry	0.0938	0.187	2	EPA 8270D Certifications:	10/15/2021 18:42	10/18/2021 23:43	KH
206-44-0	Fluoranthene	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:43	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:43	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:43	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:43	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:43	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:43	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:43	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:43	KH
91-20-3	Naphthalene	0.0899	J	mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:43	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:43	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:43	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:43	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:43	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:43	KH
85-01-8	Phenanthrene	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:43	KH
108-95-2	Phenol	ND		mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:43	KH
129-00-0	Pyrene	0.0547	J	mg/kg dry	0.0470	0.0938	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 18:42	10/18/2021 23:43	KH
Surrogate Recoveries		Result	Acceptance Range								



Sample Information

Client Sample ID: SB09_12-14

York Sample ID: 21J0466-12

York Project (SDG) No.
21J0466

Client Project ID
170695201

Matrix
Soil

Collection Date/Time
October 9, 2021 3:05 pm

Date Received
10/11/2021

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
367-12-4	Surrogate: SURR: 2-Fluorophenol	55.5 %			20-108						
4165-62-2	Surrogate: SURR: Phenol-d5	56.4 %			23-114						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	60.6 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	50.6 %			21-113						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	71.7 %			19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	91.5 %			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		mg/kg dry	0.00186	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 11:25	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00186	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 11:25	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00186	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 11:25	CM
309-00-2	Aldrin	ND		mg/kg dry	0.00186	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 11:25	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00186	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 11:25	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00186	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	10/15/2021 13:22	10/18/2021 11:25	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00186	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 11:25	CM
57-74-9	Chlordane, total	ND		mg/kg dry	0.0372	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 11:25	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00186	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 11:25	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00186	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 11:25	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00186	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 11:25	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00186	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	10/15/2021 13:22	10/18/2021 11:25	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00186	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 11:25	CM
72-20-8	Endrin	ND		mg/kg dry	0.00186	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 11:25	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00186	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 11:25	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00186	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 11:25	CM



Sample Information

Client Sample ID: SB09_12-14

York Sample ID: 21J0466-12

York Project (SDG) No.
21J0466

Client Project ID
170695201

Matrix
Soil

Collection Date/Time
October 9, 2021 3:05 pm

Date Received
10/11/2021

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00186	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 11:25	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00186	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	10/15/2021 13:22	10/18/2021 11:25	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00186	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 11:25	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00186	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 11:25	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00931	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 11:25	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.0942	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 11:25	CM
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	60.8 %		30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	78.4 %		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
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0188	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 15:46	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0188	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 15:46	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0188	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 15:46	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0188	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 15:46	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0188	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 15:46	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0188	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 15:46	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0188	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/15/2021 13:22	10/18/2021 15:46	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0188	1	EPA 8082A Certifications:	10/15/2021 13:22	10/18/2021 15:46	BJ
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	67.0 %		30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	45.5 %		30-140						

Metals, Target Analyte

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: SB09_12-14

York Sample ID: 21J0466-12

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21J0466

170695201

Soil

October 9, 2021 3:05 pm

10/11/2021

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	5980		mg/kg dry	5.75	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:48	EM
7440-36-0	Antimony	ND		mg/kg dry	2.88	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:48	EM
7440-38-2	Arsenic	ND		mg/kg dry	1.73	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:48	EM
7440-39-3	Barium	54.7		mg/kg dry	2.88	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:48	EM
7440-41-7	Beryllium	ND		mg/kg dry	0.058	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:48	EM
7440-43-9	Cadmium	ND		mg/kg dry	0.345	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:48	EM
7440-70-2	Calcium	6780		mg/kg dry	5.75	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:48	EM
7440-47-3	Chromium	18.7		mg/kg dry	0.575	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:48	EM
7440-48-4	Cobalt	5.39		mg/kg dry	0.460	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:48	EM
7440-50-8	Copper	16.4		mg/kg dry	2.30	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:48	EM
7439-89-6	Iron	10500		mg/kg dry	28.8	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:48	EM
7439-92-1	Lead	60.6		mg/kg dry	0.575	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:48	EM
7439-95-4	Magnesium	2470		mg/kg dry	5.75	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:48	EM
7439-96-5	Manganese	335		mg/kg dry	0.575	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:48	EM
7440-02-0	Nickel	23.2		mg/kg dry	1.15	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:48	EM
7440-09-7	Potassium	1370	B	mg/kg dry	5.75	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:48	EM
7782-49-2	Selenium	ND		mg/kg dry	2.88	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:48	EM
7440-22-4	Silver	ND		mg/kg dry	0.575	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:48	EM
7440-23-5	Sodium	170		mg/kg dry	57.5	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:48	EM
7440-28-0	Thallium	ND		mg/kg dry	2.88	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:48	EM
7440-62-2	Vanadium	15.0		mg/kg dry	1.15	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:48	EM
7440-66-6	Zinc	23.7		mg/kg dry	2.88	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 19:23	10/15/2021 17:48	EM



Sample Information

Client Sample ID: SB09_12-14

York Sample ID: 21J0466-12

York Project (SDG) No.
21J0466

Client Project ID
170695201

Matrix
Soil

Collection Date/Time
October 9, 2021 3:05 pm

Date Received
10/11/2021

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.0782		mg/kg dry	0.0345	1	EPA 7473	10/18/2021 13:05	10/18/2021 16:39	BR
Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP										

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.575	1	EPA 7196A	10/14/2021 14:31	10/14/2021 22:04	ZTS
Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP										

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	18.7		mg/kg	0.500	1	Calculation	10/18/2021 13:15	10/18/2021 14:33	PAM
Certifications:										

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	86.9		%	0.100	1	SM 2540G	10/18/2021 09:56	10/18/2021 13:52	VR
Certifications: CTDOH										



Analytical Batch Summary

Batch ID: BJ10776 **Preparation Method:** EPA 5035A **Prepared By:** BMC

YORK Sample ID	Client Sample ID	Preparation Date
21J0466-01	SB01_10-12	10/13/21
BJ10776-BLK1	Blank	10/13/21
BJ10776-BLK2	Blank	10/13/21
BJ10776-BS1	LCS	10/13/21
BJ10776-BSD1	LCS Dup	10/13/21

Batch ID: BJ10778 **Preparation Method:** EPA 5035A **Prepared By:** BMC

YORK Sample ID	Client Sample ID	Preparation Date
21J0466-05	SB02_9-11	10/13/21
21J0466-09	SB08_3-5	10/13/21
21J0466-10	SB08_14-16	10/13/21
BJ10778-BLK1	Blank	10/13/21
BJ10778-BLK2	Blank	10/13/21
BJ10778-BS1	LCS	10/13/21
BJ10778-BSD1	LCS Dup	10/13/21

Batch ID: BJ10844 **Preparation Method:** EPA SW846-3060 **Prepared By:** ZTS

YORK Sample ID	Client Sample ID	Preparation Date
21J0466-01	SB01_10-12	10/14/21
21J0466-02	SB01_3-5	10/14/21
21J0466-05	SB02_9-11	10/14/21
21J0466-09	SB08_3-5	10/14/21
21J0466-10	SB08_14-16	10/14/21
21J0466-12	SB09_12-14	10/14/21
BJ10844-BLK1	Blank	10/14/21
BJ10844-DUP1	Duplicate	10/14/21
BJ10844-MS1	Matrix Spike	10/14/21
BJ10844-SRM1	Reference	10/14/21

Batch ID: BJ10868 **Preparation Method:** EPA 3050B **Prepared By:** K T

YORK Sample ID	Client Sample ID	Preparation Date
21J0466-01	SB01_10-12	10/14/21
21J0466-02	SB01_3-5	10/14/21
21J0466-05	SB02_9-11	10/14/21
21J0466-09	SB08_3-5	10/14/21
21J0466-10	SB08_14-16	10/14/21
21J0466-12	SB09_12-14	10/14/21
BJ10868-BLK1	Blank	10/14/21
BJ10868-DUP1	Duplicate	10/14/21
BJ10868-MS1	Matrix Spike	10/14/21
BJ10868-PS1	Post Spike	10/14/21



BJ10868-SRM1

Reference

10/14/21

Batch ID: BJ10921**Preparation Method:** EPA 3550C**Prepared By:** EMS

YORK Sample ID	Client Sample ID	Preparation Date
21J0466-01	SB01_10-12	10/15/21
21J0466-01	SB01_10-12	10/15/21
21J0466-02	SB01_3-5	10/15/21
21J0466-02	SB01_3-5	10/15/21
21J0466-05	SB02_9-11	10/15/21
21J0466-05	SB02_9-11	10/15/21
21J0466-09	SB08_3-5	10/15/21
21J0466-09	SB08_3-5	10/15/21
21J0466-10	SB08_14-16	10/15/21
21J0466-10	SB08_14-16	10/15/21
21J0466-12	SB09_12-14	10/15/21
21J0466-12	SB09_12-14	10/15/21
BJ10921-BLK1	Blank	10/15/21
BJ10921-BLK2	Blank	10/15/21
BJ10921-BS1	LCS	10/15/21
BJ10921-BS2	LCS	10/15/21

Batch ID: BJ10960**Preparation Method:** EPA 3546 SVOA**Prepared By:** SJB

YORK Sample ID	Client Sample ID	Preparation Date
21J0466-01	SB01_10-12	10/15/21
21J0466-01RE1	SB01_10-12	10/15/21
21J0466-02	SB01_3-5	10/15/21
21J0466-02RE1	SB01_3-5	10/15/21
21J0466-05	SB02_9-11	10/15/21
21J0466-09	SB08_3-5	10/15/21
21J0466-10	SB08_14-16	10/15/21
21J0466-12	SB09_12-14	10/15/21
BJ10960-BLK1	Blank	10/16/21
BJ10960-BS1	LCS	10/16/21
BJ10960-MS1	Matrix Spike	10/16/21

Batch ID: BJ10964**Preparation Method:** EPA 5035A**Prepared By:** BMC

YORK Sample ID	Client Sample ID	Preparation Date
21J0466-02	SB01_3-5	10/14/21
21J0466-12	SB09_12-14	10/14/21
BJ10964-BLK1	Blank	10/15/21
BJ10964-BS1	LCS	10/15/21
BJ10964-BSD1	LCS Dup	10/15/21

Batch ID: BJ10988**Preparation Method:** % Solids Prep**Prepared By:** TAJ

YORK Sample ID	Client Sample ID	Preparation Date



21J0466-01	SB01_10-12	10/18/21
21J0466-02	SB01_3-5	10/18/21
21J0466-05	SB02_9-11	10/18/21
21J0466-09	SB08_3-5	10/18/21
21J0466-10	SB08_14-16	10/18/21
21J0466-12	SB09_12-14	10/18/21
BJ10988-DUP1	Duplicate	10/18/21

Batch ID: BJ11001 **Preparation Method:** EPA 7473 soil **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
21J0466-01	SB01_10-12	10/18/21
21J0466-02	SB01_3-5	10/18/21
21J0466-05	SB02_9-11	10/18/21
21J0466-09	SB08_3-5	10/18/21
21J0466-10	SB08_14-16	10/18/21
21J0466-12	SB09_12-14	10/18/21
BJ11001-BLK1	Blank	10/18/21
BJ11001-DUP1	Duplicate	10/18/21
BJ11001-MS1	Matrix Spike	10/18/21
BJ11001-SRM1	Reference	10/18/21

Batch ID: BJ11008 **Preparation Method:** Analysis Preparation **Prepared By:** PAM

YORK Sample ID	Client Sample ID	Preparation Date
21J0466-01	SB01_10-12	10/18/21
21J0466-02	SB01_3-5	10/18/21
21J0466-05	SB02_9-11	10/18/21
21J0466-09	SB08_3-5	10/18/21
21J0466-10	SB08_14-16	10/18/21
21J0466-12	SB09_12-14	10/18/21



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BJ10776 - EPA 5035A

Blank (BJ10776-BLK1)	Blank									Prepared & Analyzed: 10/13/2021
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet							
1,1,1-Trichloroethane	ND	0.0050	"							
1,1,2,2-Tetrachloroethane	ND	0.0050	"							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"							
1,1,2-Trichloroethane	ND	0.0050	"							
1,1-Dichloroethane	ND	0.0050	"							
1,1-Dichloroethylene	ND	0.0050	"							
1,2,3-Trichlorobenzene	ND	0.0050	"							
1,2,3-Trichloropropane	ND	0.0050	"							
1,2,4-Trichlorobenzene	ND	0.0050	"							
1,2,4-Trimethylbenzene	ND	0.0050	"							
1,2-Dibromo-3-chloropropane	ND	0.0050	"							
1,2-Dibromoethane	ND	0.0050	"							
1,2-Dichlorobenzene	ND	0.0050	"							
1,2-Dichloroethane	ND	0.0050	"							
1,2-Dichloropropane	ND	0.0050	"							
1,3,5-Trimethylbenzene	ND	0.0050	"							
1,3-Dichlorobenzene	ND	0.0050	"							
1,4-Dichlorobenzene	ND	0.0050	"							
1,4-Dioxane	ND	0.10	"							
2-Butanone	ND	0.0050	"							
2-Hexanone	ND	0.0050	"							
4-Methyl-2-pentanone	ND	0.0050	"							
Acetone	ND	0.010	"							
Acrolein	ND	0.010	"							
Acrylonitrile	ND	0.0050	"							
Benzene	ND	0.0050	"							
Bromochloromethane	ND	0.0050	"							
Bromodichloromethane	ND	0.0050	"							
Bromoform	ND	0.0050	"							
Bromomethane	ND	0.0050	"							
Carbon disulfide	ND	0.0050	"							
Carbon tetrachloride	ND	0.0050	"							
Chlorobenzene	ND	0.0050	"							
Chloroethane	ND	0.0050	"							
Chloroform	ND	0.0050	"							
Chloromethane	ND	0.0050	"							
cis-1,2-Dichloroethylene	ND	0.0050	"							
cis-1,3-Dichloropropylene	ND	0.0050	"							
Cyclohexane	ND	0.0050	"							
Dibromochloromethane	ND	0.0050	"							
Dibromomethane	ND	0.0050	"							
Dichlorodifluoromethane	ND	0.0050	"							
Ethyl Benzene	ND	0.0050	"							
Hexachlorobutadiene	ND	0.0050	"							
Isopropylbenzene	ND	0.0050	"							
Methyl acetate	ND	0.0050	"							
Methyl tert-butyl ether (MTBE)	ND	0.0050	"							
Methylcyclohexane	ND	0.0050	"							
Methylene chloride	ND	0.010	"							



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BJ10776 - EPA 5035A

Blank (BJ10776-BLK1)	Blank	Prepared & Analyzed: 10/13/2021									
n-Butylbenzene	ND	0.0050	mg/kg wet								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
trans-1,4-dichloro-2-butene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURRE: 1,2-Dichloroethane-d4	51.2		ug/L	50.0		102	77-125				
Surrogate: SURRE: Toluene-d8	49.8		"	50.0		99.6	85-120				
Surrogate: SURRE: p-Bromofluorobenzene	59.6		"	50.0		119	76-130				

Blank (BJ10776-BLK2)	Blank	Prepared & Analyzed: 10/13/2021									
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								



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 BJ10776 - EPA 5035A

Blank (BJ10776-BLK2)	Blank										Prepared & Analyzed: 10/13/2021
Bromodichloromethane	ND	0.0050	mg/kg wet								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
trans-1,4-dichloro-2-butene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	51.1		ug/L	50.0		102	77-125				
Surrogate: SURR: Toluene-d8	50.4		"	50.0		101	85-120				
Surrogate: SURR: p-Bromofluorobenzene	60.0		"	50.0		120	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 BJ10776 - EPA 5035A											
LCS (BJ10776-BS1)	LCS		Prepared & Analyzed: 10/13/2021								
1,1,1,2-Tetrachloroethane	42		ug/L	50.0		84.4	75-129				
1,1,1-Trichloroethane	43		"	50.0		85.7	71-137				
1,1,2,2-Tetrachloroethane	44		"	50.0		88.2	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	45		"	50.0		90.0	58-146				
1,1,2-Trichloroethane	41		"	50.0		81.6	83-123	Low Bias			
1,1-Dichloroethane	42		"	50.0		83.1	75-130				
1,1-Dichloroethylene	45		"	50.0		90.5	64-137				
1,2,3-Trichlorobenzene	45		"	50.0		89.3	81-140				
1,2,3-Trichloropropane	43		"	50.0		85.9	81-126				
1,2,4-Trichlorobenzene	45		"	50.0		90.7	80-141				
1,2,4-Trimethylbenzene	47		"	50.0		93.7	84-125				
1,2-Dibromo-3-chloropropane	38		"	50.0		75.2	74-142				
1,2-Dibromoethane	44		"	50.0		88.1	86-123				
1,2-Dichlorobenzene	44		"	50.0		88.1	85-122				
1,2-Dichloroethane	42		"	50.0		84.0	71-133				
1,2-Dichloropropane	44		"	50.0		88.1	81-122				
1,3,5-Trimethylbenzene	47		"	50.0		93.7	82-126				
1,3-Dichlorobenzene	45		"	50.0		89.3	84-124				
1,4-Dichlorobenzene	44		"	50.0		87.8	84-124				
1,4-Dioxane	730		"	1050		69.7	10-228				
2-Butanone	39		"	50.0		78.3	58-147				
2-Hexanone	40		"	50.0		80.8	70-139				
4-Methyl-2-pentanone	36		"	50.0		72.5	72-132				
Acetone	30		"	50.0		60.9	36-155				
Acrolein	32		"	50.0		63.7	10-238				
Acrylonitrile	44		"	50.0		88.5	66-141				
Benzene	43		"	50.0		86.4	77-127				
Bromochloromethane	43		"	50.0		86.4	74-129				
Bromodichloromethane	44		"	50.0		88.6	81-124				
Bromoform	40		"	50.0		80.4	80-136				
Bromomethane	51		"	50.0		103	32-177				
Carbon disulfide	45		"	50.0		89.1	10-136				
Carbon tetrachloride	45		"	50.0		89.4	66-143				
Chlorobenzene	43		"	50.0		85.7	86-120	Low Bias			
Chloroethane	50		"	50.0		99.0	51-142				
Chloroform	44		"	50.0		87.3	76-131				
Chloromethane	56		"	50.0		113	49-132				
cis-1,2-Dichloroethylene	43		"	50.0		86.0	74-132				
cis-1,3-Dichloropropylene	42		"	50.0		83.6	81-129				
Cyclohexane	43		"	50.0		85.9	70-130				
Dibromochloromethane	42		"	50.0		83.4	10-200				
Dibromomethane	41		"	50.0		82.3	83-124	Low Bias			
Dichlorodifluoromethane	58		"	50.0		116	28-158				
Ethyl Benzene	44		"	50.0		87.2	84-125				
Hexachlorobutadiene	47		"	50.0		94.5	83-133				
Isopropylbenzene	46		"	50.0		91.6	81-127				
Methyl acetate	39		"	50.0		78.4	41-143				
Methyl tert-butyl ether (MTBE)	40		"	50.0		79.5	74-131				
Methylcyclohexane	42		"	50.0		83.8	70-130				
Methylene chloride	44		"	50.0		88.6	57-141				
n-Butylbenzene	48		"	50.0		96.3	80-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ10776 - EPA 5035A											
LCS (BJ10776-BS1)	LCS		Prepared & Analyzed: 10/13/2021								
n-Propylbenzene	46		ug/L	50.0		91.9	74-136				
o-Xylene	43		"	50.0		86.5	83-123				
p- & m- Xylenes	88		"	100		88.4	82-128				
p-Isopropyltoluene	47		"	50.0		94.3	85-125				
sec-Butylbenzene	49		"	50.0		98.0	83-125				
Styrene	43		"	50.0		86.7	86-126				
tert-Butyl alcohol (TBA)	190		"	250		74.9	70-130				
tert-Butylbenzene	41		"	50.0		81.4	80-127				
Tetrachloroethylene	41		"	50.0		82.3	80-129				
Toluene	43		"	50.0		85.8	85-121				
trans-1,2-Dichloroethylene	46		"	50.0		91.9	72-132				
trans-1,3-Dichloropropylene	38		"	50.0		76.5	78-132	Low Bias			
trans-1,4-dichloro-2-butene	46		"	50.0		91.6	75-135				
Trichloroethylene	43		"	50.0		86.9	84-123				
Trichlorofluoromethane	49		"	50.0		97.7	62-140				
Vinyl Chloride	52		"	50.0		103	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	48.2		"	50.0		96.4	77-125				
Surrogate: SURR: Toluene-d8	50.5		"	50.0		101	85-120				
Surrogate: SURR: p-Bromofluorobenzene	51.9		"	50.0		104	76-130				
LCS Dup (BJ10776-BS1)	LCS Dup		Prepared & Analyzed: 10/13/2021								
1,1,1,2-Tetrachloroethane	46		ug/L	50.0		92.6	75-129		9.26	30	
1,1,1-Trichloroethane	46		"	50.0		93.0	71-137		8.20	30	
1,1,2,2-Tetrachloroethane	49		"	50.0		98.3	79-129		10.8	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	48		"	50.0		95.8	58-146		6.31	30	
1,1,2-Trichloroethane	46		"	50.0		92.1	83-123		12.1	30	
1,1-Dichloroethane	46		"	50.0		91.5	75-130		9.62	30	
1,1-Dichloroethylene	49		"	50.0		97.3	64-137		7.20	30	
1,2,3-Trichlorobenzene	50		"	50.0		101	81-140		11.9	30	
1,2,3-Trichloropropane	47		"	50.0		94.9	81-126		9.91	30	
1,2,4-Trichlorobenzene	51		"	50.0		102	80-141		11.6	30	
1,2,4-Trimethylbenzene	51		"	50.0		102	84-125		8.03	30	
1,2-Dibromo-3-chloropropane	44		"	50.0		87.3	74-142		14.9	30	
1,2-Dibromoethane	50		"	50.0		99.4	86-123		12.0	30	
1,2-Dichlorobenzene	49		"	50.0		97.7	85-122		10.4	30	
1,2-Dichloroethane	47		"	50.0		93.2	71-133		10.4	30	
1,2-Dichloropropane	48		"	50.0		96.5	81-122		9.10	30	
1,3,5-Trimethylbenzene	51		"	50.0		102	82-126		8.89	30	
1,3-Dichlorobenzene	49		"	50.0		98.4	84-124		9.76	30	
1,4-Dichlorobenzene	48		"	50.0		95.6	84-124		8.57	30	
1,4-Dioxane	890		"	1050		85.1	10-228		19.8	30	
2-Butanone	46		"	50.0		92.5	58-147		16.6	30	
2-Hexanone	46		"	50.0		92.4	70-139		13.4	30	
4-Methyl-2-pentanone	41		"	50.0		81.7	72-132		11.9	30	
Acetone	32		"	50.0		63.3	36-155		3.90	30	
Acrolein	30		"	50.0		60.4	10-238		5.29	30	
Acrylonitrile	49		"	50.0		97.4	66-141		9.53	30	
Benzene	47		"	50.0		94.6	77-127		8.97	30	
Bromochloromethane	46		"	50.0		92.2	74-129		6.45	30	
Bromodichloromethane	50		"	50.0		99.2	81-124		11.3	30	
Bromoform	45		"	50.0		90.8	80-136		12.1	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BJ10776 - EPA 5035A

LCS Dup (BJ10776-BSD1)	LCS Dup	Prepared & Analyzed: 10/13/2021									
Bromomethane	56		ug/L	50.0		111	32-177		7.66	30	
Carbon disulfide	48		"	50.0		96.4	10-136		7.89	30	
Carbon tetrachloride	48		"	50.0		96.2	66-143		7.28	30	
Chlorobenzene	47		"	50.0		93.9	86-120		9.13	30	
Chloroethane	52		"	50.0		104	51-142		4.42	30	
Chloroform	47		"	50.0		94.5	76-131		7.92	30	
Chloromethane	61		"	50.0		121	49-132		7.54	30	
cis-1,2-Dichloroethylene	48		"	50.0		95.1	74-132		10.1	30	
cis-1,3-Dichloropropylene	45		"	50.0		91.0	81-129		8.43	30	
Cyclohexane	46		"	50.0		92.0	70-130		6.81	30	
Dibromochloromethane	47		"	50.0		94.3	10-200		12.3	30	
Dibromomethane	45		"	50.0		90.5	83-124		9.54	30	
Dichlorodifluoromethane	62		"	50.0		125	28-158		7.47	30	
Ethyl Benzene	48		"	50.0		96.8	84-125		10.5	30	
Hexachlorobutadiene	53		"	50.0		106	83-133		11.4	30	
Isopropylbenzene	49		"	50.0		98.6	81-127		7.38	30	
Methyl acetate	44		"	50.0		88.0	41-143		11.5	30	
Methyl tert-butyl ether (MTBE)	45		"	50.0		89.4	74-131		11.7	30	
Methylcyclohexane	46		"	50.0		91.9	70-130		9.22	30	
Methylene chloride	49		"	50.0		98.4	57-141		10.6	30	
n-Butylbenzene	49		"	50.0		98.2	80-130		1.89	30	
n-Propylbenzene	50		"	50.0		99.6	74-136		7.98	30	
o-Xylene	47		"	50.0		94.4	83-123		8.73	30	
p- & m- Xylenes	99		"	100		98.8	82-128		11.2	30	
p-Isopropyltoluene	52		"	50.0		104	85-125		9.57	30	
sec-Butylbenzene	53		"	50.0		106	83-125		8.13	30	
Styrene	49		"	50.0		97.6	86-126		11.8	30	
tert-Butyl alcohol (TBA)	210		"	250		84.1	70-130		11.6	30	
tert-Butylbenzene	45		"	50.0		89.3	80-127		9.28	30	
Tetrachloroethylene	45		"	50.0		90.0	80-129		8.96	30	
Toluene	47		"	50.0		94.3	85-121		9.40	30	
trans-1,2-Dichloroethylene	49		"	50.0		98.2	72-132		6.63	30	
trans-1,3-Dichloropropylene	43		"	50.0		85.5	78-132		11.1	30	
trans-1,4-dichloro-2-butene	51		"	50.0		101	75-135		10.1	30	
Trichloroethylene	48		"	50.0		95.7	84-123		9.61	30	
Trichlorofluoromethane	54		"	50.0		107	62-140		9.16	30	
Vinyl Chloride	56		"	50.0		112	52-130		8.29	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	48.0		"	50.0		96.1	77-125				
Surrogate: SURR: Toluene-d8	50.2		"	50.0		100	85-120				
Surrogate: SURR: p-Bromofluorobenzene	51.0		"	50.0		102	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 BJ10778 - EPA 5035A

Blank (BJ10778-BLK1)		Blank		Prepared: 10/13/2021 Analyzed: 10/14/2021							
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BJ10778 - EPA 5035A

Blank (BJ10778-BLK1)	Blank										Prepared: 10/13/2021 Analyzed: 10/14/2021
n-Propylbenzene	ND	0.0050	mg/kg wet								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
trans-1,4-dichloro-2-butene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURRE: 1,2-Dichloroethane-d4	48.8		ug/L	50.0		97.6	77-125				
Surrogate: SURRE: Toluene-d8	49.6		"	50.0		99.2	85-120				
Surrogate: SURRE: p-Bromofluorobenzene	59.6		"	50.0		119	76-130				

Blank (BJ10778-BLK2)	Blank										Prepared: 10/13/2021 Analyzed: 10/14/2021
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BJ10778 - EPA 5035A

Blank (BJ10778-BLK2)	Blank		Prepared: 10/13/2021 Analyzed: 10/14/2021								
Bromoform	ND	0.0050	mg/kg wet								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
trans-1,4-dichloro-2-butene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	48.4		ug/L	50.0		96.8	77-125				
Surrogate: SURR: Toluene-d8	49.8		"	50.0		99.7	85-120				
Surrogate: SURR: p-Bromofluorobenzene	59.9		"	50.0		120	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 BJ10778 - EPA 5035A											
LCS (BJ10778-BS1)	LCS					Prepared: 10/13/2021 Analyzed: 10/14/2021					
1,1,1,2-Tetrachloroethane	47		ug/L	50.0		93.4	75-129				
1,1,1-Trichloroethane	50		"	50.0		99.6	71-137				
1,1,2,2-Tetrachloroethane	49		"	50.0		98.3	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	49		"	50.0		98.1	58-146				
1,1,2-Trichloroethane	46		"	50.0		91.3	83-123				
1,1-Dichloroethane	47		"	50.0		93.8	75-130				
1,1-Dichloroethylene	49		"	50.0		97.8	64-137				
1,2,3-Trichlorobenzene	47		"	50.0		93.1	81-140				
1,2,3-Trichloropropane	49		"	50.0		98.3	81-126				
1,2,4-Trichlorobenzene	46		"	50.0		91.0	80-141				
1,2,4-Trimethylbenzene	49		"	50.0		97.8	84-125				
1,2-Dibromo-3-chloropropane	44		"	50.0		87.5	74-142				
1,2-Dibromoethane	49		"	50.0		98.8	86-123				
1,2-Dichlorobenzene	47		"	50.0		94.3	85-122				
1,2-Dichloroethane	47		"	50.0		94.9	71-133				
1,2-Dichloropropane	48		"	50.0		95.3	81-122				
1,3,5-Trimethylbenzene	49		"	50.0		98.0	82-126				
1,3-Dichlorobenzene	46		"	50.0		92.3	84-124				
1,4-Dichlorobenzene	45		"	50.0		90.3	84-124				
1,4-Dioxane	920		"	1050		87.4	10-228				
2-Butanone	45		"	50.0		90.3	58-147				
2-Hexanone	46		"	50.0		92.5	70-139				
4-Methyl-2-pentanone	41		"	50.0		81.7	72-132				
Acetone	34		"	50.0		68.3	36-155				
Acrolein	35		"	50.0		70.5	10-238				
Acrylonitrile	50		"	50.0		99.4	66-141				
Benzene	48		"	50.0		96.4	77-127				
Bromochloromethane	47		"	50.0		94.4	74-129				
Bromodichloromethane	49		"	50.0		97.9	81-124				
Bromoform	46		"	50.0		92.8	80-136				
Bromomethane	53		"	50.0		105	32-177				
Carbon disulfide	49		"	50.0		97.6	10-136				
Carbon tetrachloride	50		"	50.0		100	66-143				
Chlorobenzene	46		"	50.0		92.0	86-120				
Chloroethane	48		"	50.0		96.2	51-142				
Chloroform	49		"	50.0		98.3	76-131				
Chloromethane	58		"	50.0		116	49-132				
cis-1,2-Dichloroethylene	48		"	50.0		95.2	74-132				
cis-1,3-Dichloropropylene	45		"	50.0		90.5	81-129				
Cyclohexane	47		"	50.0		94.6	70-130				
Dibromochloromethane	47		"	50.0		94.5	10-200				
Dibromomethane	45		"	50.0		90.9	83-124				
Dichlorodifluoromethane	57		"	50.0		113	28-158				
Ethyl Benzene	47		"	50.0		94.0	84-125				
Hexachlorobutadiene	52		"	50.0		104	83-133				
Isopropylbenzene	48		"	50.0		96.0	81-127				
Methyl acetate	46		"	50.0		91.4	41-143				
Methyl tert-butyl ether (MTBE)	50		"	50.0		99.9	74-131				
Methylcyclohexane	46		"	50.0		91.9	70-130				
Methylene chloride	49		"	50.0		98.8	57-141				
n-Butylbenzene	48		"	50.0		96.8	80-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ10778 - EPA 5035A											
LCS (BJ10778-BS1)	LCS		Prepared: 10/13/2021 Analyzed: 10/14/2021								
n-Propylbenzene	47		ug/L	50.0		94.7	74-136				
o-Xylene	46		"	50.0		92.5	83-123				
p- & m- Xylenes	95		"	100		94.6	82-128				
p-Isopropyltoluene	49		"	50.0		98.2	85-125				
sec-Butylbenzene	51		"	50.0		102	83-125				
Styrene	47		"	50.0		93.8	86-126				
tert-Butyl alcohol (TBA)	240		"	250		96.3	70-130				
tert-Butylbenzene	43		"	50.0		85.8	80-127				
Tetrachloroethylene	44		"	50.0		88.6	80-129				
Toluene	46		"	50.0		91.9	85-121				
trans-1,2-Dichloroethylene	51		"	50.0		102	72-132				
trans-1,3-Dichloropropylene	43		"	50.0		86.5	78-132				
trans-1,4-dichloro-2-butene	51		"	50.0		102	75-135				
Trichloroethylene	46		"	50.0		92.8	84-123				
Trichlorofluoromethane	55		"	50.0		110	62-140				
Vinyl Chloride	55		"	50.0		110	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	48.8		"	50.0		97.7	77-125				
Surrogate: SURR: Toluene-d8	49.3		"	50.0		98.7	85-120				
Surrogate: SURR: p-Bromofluorobenzene	50.7		"	50.0		101	76-130				
LCS Dup (BJ10778-BS1)	LCS Dup		Prepared: 10/13/2021 Analyzed: 10/14/2021								
1,1,1,2-Tetrachloroethane	46		ug/L	50.0		93.0	75-129		0.494	30	
1,1,1-Trichloroethane	49		"	50.0		98.8	71-137		0.827	30	
1,1,2,2-Tetrachloroethane	50		"	50.0		100	79-129		1.89	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	48		"	50.0		96.3	58-146		1.87	30	
1,1,2-Trichloroethane	45		"	50.0		90.3	83-123		1.10	30	
1,1-Dichloroethane	47		"	50.0		93.5	75-130		0.363	30	
1,1-Dichloroethylene	48		"	50.0		95.9	64-137		1.98	30	
1,2,3-Trichlorobenzene	47		"	50.0		94.5	81-140		1.49	30	
1,2,3-Trichloropropane	50		"	50.0		100	81-126		2.13	30	
1,2,4-Trichlorobenzene	46		"	50.0		91.3	80-141		0.263	30	
1,2,4-Trimethylbenzene	49		"	50.0		99.0	84-125		1.14	30	
1,2-Dibromo-3-chloropropane	44		"	50.0		88.7	74-142		1.36	30	
1,2-Dibromoethane	50		"	50.0		99.7	86-123		0.927	30	
1,2-Dichlorobenzene	48		"	50.0		95.3	85-122		1.03	30	
1,2-Dichloroethane	47		"	50.0		94.0	71-133		0.868	30	
1,2-Dichloropropane	47		"	50.0		95.0	81-122		0.378	30	
1,3,5-Trimethylbenzene	50		"	50.0		99.9	82-126		1.88	30	
1,3-Dichlorobenzene	47		"	50.0		93.4	84-124		1.18	30	
1,4-Dichlorobenzene	46		"	50.0		92.0	84-124		1.84	30	
1,4-Dioxane	840		"	1050		80.4	10-228		8.27	30	
2-Butanone	44		"	50.0		87.5	58-147		3.13	30	
2-Hexanone	46		"	50.0		92.3	70-139		0.216	30	
4-Methyl-2-pentanone	42		"	50.0		83.1	72-132		1.65	30	
Acetone	33		"	50.0		66.0	36-155		3.39	30	
Acrolein	35		"	50.0		69.0	10-238		2.18	30	
Acrylonitrile	49		"	50.0		97.5	66-141		1.93	30	
Benzene	48		"	50.0		96.5	77-127		0.0830	30	
Bromochloromethane	46		"	50.0		92.9	74-129		1.64	30	
Bromodichloromethane	49		"	50.0		97.4	81-124		0.532	30	
Bromoform	46		"	50.0		92.3	80-136		0.540	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 BJ10778 - EPA 5035A

LCS Dup (BJ10778-BSD1) LCS Dup		Prepared: 10/13/2021 Analyzed: 10/14/2021									
Bromomethane	53		ug/L	50.0		106	32-177		0.418	30	
Carbon disulfide	48		"	50.0		96.8	10-136		0.823	30	
Carbon tetrachloride	50		"	50.0		99.3	66-143		0.783	30	
Chlorobenzene	46		"	50.0		92.8	86-120		0.866	30	
Chloroethane	48		"	50.0		96.4	51-142		0.187	30	
Chloroform	48		"	50.0		96.4	76-131		1.89	30	
Chloromethane	60		"	50.0		119	49-132		2.43	30	
cis-1,2-Dichloroethylene	48		"	50.0		95.6	74-132		0.419	30	
cis-1,3-Dichloropropylene	46		"	50.0		91.1	81-129		0.727	30	
Cyclohexane	47		"	50.0		93.6	70-130		1.08	30	
Dibromochloromethane	47		"	50.0		95.0	10-200		0.443	30	
Dibromomethane	46		"	50.0		91.9	83-124		1.07	30	
Dichlorodifluoromethane	57		"	50.0		114	28-158		0.686	30	
Ethyl Benzene	47		"	50.0		94.8	84-125		0.847	30	
Hexachlorobutadiene	50		"	50.0		101	83-133		2.74	30	
Isopropylbenzene	49		"	50.0		97.8	81-127		1.90	30	
Methyl acetate	45		"	50.0		89.8	41-143		1.79	30	
Methyl tert-butyl ether (MTBE)	49		"	50.0		98.3	74-131		1.57	30	
Methylcyclohexane	46		"	50.0		92.7	70-130		0.780	30	
Methylene chloride	49		"	50.0		98.5	57-141		0.345	30	
n-Butylbenzene	50		"	50.0		101	80-130		4.13	30	
n-Propylbenzene	48		"	50.0		95.9	74-136		1.26	30	
o-Xylene	46		"	50.0		92.8	83-123		0.281	30	
p- & m- Xylenes	95		"	100		95.1	82-128		0.453	30	
p-Isopropyltoluene	50		"	50.0		99.2	85-125		1.03	30	
sec-Butylbenzene	52		"	50.0		104	83-125		1.24	30	
Styrene	47		"	50.0		94.3	86-126		0.532	30	
tert-Butyl alcohol (TBA)	240		"	250		95.3	70-130		1.07	30	
tert-Butylbenzene	44		"	50.0		87.6	80-127		2.08	30	
Tetrachloroethylene	44		"	50.0		89.0	80-129		0.451	30	
Toluene	46		"	50.0		92.3	85-121		0.456	30	
trans-1,2-Dichloroethylene	51		"	50.0		101	72-132		0.983	30	
trans-1,3-Dichloropropylene	43		"	50.0		86.2	78-132		0.371	30	
trans-1,4-dichloro-2-butene	52		"	50.0		103	75-135		0.818	30	
Trichloroethylene	46		"	50.0		92.5	84-123		0.389	30	
Trichlorofluoromethane	52		"	50.0		105	62-140		4.74	30	
Vinyl Chloride	54		"	50.0		109	52-130		0.932	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	48.4		"	50.0		96.8	77-125				
Surrogate: SURR: Toluene-d8	49.1		"	50.0		98.2	85-120				
Surrogate: SURR: p-Bromofluorobenzene	51.6		"	50.0		103	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BJ10964 - EPA 5035A

Blank (BJ10964-BLK1)		Blank		Prepared & Analyzed: 10/15/2021							
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BJ10964 - EPA 5035A

Blank (BJ10964-BLK1)	Blank		Prepared & Analyzed: 10/15/2021								
n-Propylbenzene	ND	0.0050	mg/kg wet								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
trans-1,4-dichloro-2-butene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	53.7		ug/L	50.0		107	77-125				
<i>Surrogate: SURR: Toluene-d8</i>	52.0		"	50.0		104	85-120				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	50.0		"	50.0		100	76-130				

LCS (BJ10964-BS1)	LCS		Prepared & Analyzed: 10/15/2021								
1,1,1,2-Tetrachloroethane	48		ug/L	50.0		95.3	75-129				
1,1,1-Trichloroethane	48		"	50.0		95.2	71-137				
1,1,2,2-Tetrachloroethane	45		"	50.0		90.6	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	62		"	50.0		125	58-146				
1,1,2-Trichloroethane	45		"	50.0		89.9	83-123				
1,1-Dichloroethane	45		"	50.0		89.1	75-130				
1,1-Dichloroethylene	60		"	50.0		121	64-137				
1,2,3-Trichlorobenzene	45		"	50.0		89.6	81-140				
1,2,3-Trichloropropane	47		"	50.0		94.3	81-126				
1,2,4-Trichlorobenzene	46		"	50.0		92.1	80-141				
1,2,4-Trimethylbenzene	49		"	50.0		98.3	84-125				
1,2-Dibromo-3-chloropropane	45		"	50.0		89.3	74-142				
1,2-Dibromoethane	45		"	50.0		89.2	86-123				
1,2-Dichlorobenzene	45		"	50.0		90.4	85-122				
1,2-Dichloroethane	49		"	50.0		97.4	71-133				
1,2-Dichloropropane	47		"	50.0		93.7	81-122				
1,3,5-Trimethylbenzene	49		"	50.0		97.8	82-126				
1,3-Dichlorobenzene	46		"	50.0		91.5	84-124				
1,4-Dichlorobenzene	45		"	50.0		89.6	84-124				
1,4-Dioxane	840		"	1050		80.0	10-228				
2-Butanone	47		"	50.0		93.9	58-147				
2-Hexanone	46		"	50.0		92.2	70-139				
4-Methyl-2-pentanone	45		"	50.0		90.4	72-132				
Acetone	44		"	50.0		87.8	36-155				
Acrolein	79		"	50.0		159	10-238				
Acrylonitrile	45		"	50.0		90.5	66-141				
Benzene	45		"	50.0		90.1	77-127				
Bromochloromethane	45		"	50.0		90.0	74-129				
Bromodichloromethane	47		"	50.0		93.1	81-124				



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 BJ10964 - EPA 5035A

LCS (BJ10964-BS1)	LCS	Prepared & Analyzed: 10/15/2021									
Bromoform	38	ug/L	50.0	76.2	80-136	Low Bias					
Bromomethane	80	"	50.0	161	32-177						
Carbon disulfide	37	"	50.0	73.4	10-136						
Carbon tetrachloride	52	"	50.0	103	66-143						
Chlorobenzene	47	"	50.0	93.5	86-120						
Chloroethane	64	"	50.0	128	51-142						
Chloroform	47	"	50.0	93.7	76-131						
Chloromethane	60	"	50.0	121	49-132						
cis-1,2-Dichloroethylene	47	"	50.0	93.2	74-132						
cis-1,3-Dichloropropylene	46	"	50.0	91.2	81-129						
Cyclohexane	47	"	50.0	93.2	70-130						
Dibromochloromethane	46	"	50.0	92.0	10-200						
Dibromomethane	46	"	50.0	91.2	83-124						
Dichlorodifluoromethane	66	"	50.0	132	28-158						
Ethyl Benzene	49	"	50.0	98.3	84-125						
Hexachlorobutadiene	48	"	50.0	95.3	83-133						
Isopropylbenzene	47	"	50.0	94.6	81-127						
Methyl acetate	39	"	50.0	78.8	41-143						
Methyl tert-butyl ether (MTBE)	42	"	50.0	83.4	74-131						
Methylcyclohexane	48	"	50.0	96.6	70-130						
Methylene chloride	49	"	50.0	97.2	57-141						
n-Butylbenzene	42	"	50.0	84.0	80-130						
n-Propylbenzene	48	"	50.0	95.4	74-136						
o-Xylene	47	"	50.0	94.6	83-123						
p- & m- Xylenes	99	"	100	99.0	82-128						
p-Isopropyltoluene	50	"	50.0	100	85-125						
sec-Butylbenzene	50	"	50.0	100	83-125						
Styrene	47	"	50.0	93.4	86-126						
tert-Butyl alcohol (TBA)	190	"	250	74.8	70-130						
tert-Butylbenzene	48	"	50.0	95.2	80-127						
Tetrachloroethylene	44	"	50.0	87.8	80-129						
Toluene	47	"	50.0	94.2	85-121						
trans-1,2-Dichloroethylene	51	"	50.0	103	72-132						
trans-1,3-Dichloropropylene	45	"	50.0	89.9	78-132						
trans-1,4-dichloro-2-butene	46	"	50.0	92.6	75-135						
Trichloroethylene	49	"	50.0	98.2	84-123						
Trichlorofluoromethane	66	"	50.0	132	62-140						
Vinyl Chloride	60	"	50.0	119	52-130						
Surrogate: Surr: 1,2-Dichloroethane-d4	53.8	"	50.0	108	77-125						
Surrogate: Surr: Toluene-d8	53.0	"	50.0	106	85-120						
Surrogate: Surr: p-Bromofluorobenzene	50.1	"	50.0	100	76-130						



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ10964 - EPA 5035A											
LCS Dup (BJ10964-BSD1)	LCS Dup		Prepared & Analyzed: 10/15/2021								
1,1,1,2-Tetrachloroethane	51		ug/L	50.0		101	75-129		5.92	30	
1,1,1-Trichloroethane	53		"	50.0		106	71-137		11.0	30	
1,1,2,2-Tetrachloroethane	46		"	50.0		92.4	79-129		1.95	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	68		"	50.0		135	58-146		8.08	30	
1,1,2-Trichloroethane	47		"	50.0		95.0	83-123		5.47	30	
1,1-Dichloroethane	48		"	50.0		96.8	75-130		8.26	30	
1,1-Dichloroethylene	64		"	50.0		128	64-137		6.17	30	
1,2,3-Trichlorobenzene	48		"	50.0		96.0	81-140		6.94	30	
1,2,3-Trichloropropane	49		"	50.0		97.6	81-126		3.38	30	
1,2,4-Trichlorobenzene	50		"	50.0		99.7	80-141		7.88	30	
1,2,4-Trimethylbenzene	52		"	50.0		105	84-125		6.40	30	
1,2-Dibromo-3-chloropropane	46		"	50.0		91.8	74-142		2.76	30	
1,2-Dibromoethane	47		"	50.0		94.0	86-123		5.26	30	
1,2-Dichlorobenzene	48		"	50.0		96.8	85-122		6.84	30	
1,2-Dichloroethane	51		"	50.0		103	71-133		5.24	30	
1,2-Dichloropropane	48		"	50.0		96.8	81-122		3.19	30	
1,3,5-Trimethylbenzene	52		"	50.0		104	82-126		5.74	30	
1,3-Dichlorobenzene	49		"	50.0		98.7	84-124		7.57	30	
1,4-Dichlorobenzene	48		"	50.0		96.4	84-124		7.33	30	
1,4-Dioxane	920		"	1050		87.3	10-228		8.75	30	
2-Butanone	48		"	50.0		95.2	58-147		1.37	30	
2-Hexanone	47		"	50.0		93.0	70-139		0.864	30	
4-Methyl-2-pentanone	45		"	50.0		90.9	72-132		0.596	30	
Acetone	46		"	50.0		92.7	36-155		5.45	30	
Acrolein	80		"	50.0		160	10-238		0.841	30	
Acrylonitrile	46		"	50.0		92.8	66-141		2.55	30	
Benzene	48		"	50.0		96.8	77-127		7.19	30	
Bromochloromethane	48		"	50.0		95.8	74-129		6.20	30	
Bromodichloromethane	48		"	50.0		96.5	81-124		3.54	30	
Bromoform	41		"	50.0		81.3	80-136		6.50	30	
Bromomethane	87		"	50.0		174	32-177		7.67	30	
Carbon disulfide	40		"	50.0		80.1	10-136		8.78	30	
Carbon tetrachloride	56		"	50.0		112	66-143		8.44	30	
Chlorobenzene	50		"	50.0		99.1	86-120		5.84	30	
Chloroethane	82		"	50.0		164	51-142	High Bias	24.1	30	
Chloroform	51		"	50.0		101	76-131		7.77	30	
Chloromethane	65		"	50.0		129	49-132		6.82	30	
cis-1,2-Dichloroethylene	50		"	50.0		100	74-132		7.44	30	
cis-1,3-Dichloropropylene	47		"	50.0		94.2	81-129		3.19	30	
Cyclohexane	50		"	50.0		99.3	70-130		6.32	30	
Dibromochloromethane	49		"	50.0		97.9	10-200		6.17	30	
Dibromomethane	48		"	50.0		95.0	83-124		4.10	30	
Dichlorodifluoromethane	72		"	50.0		143	28-158		7.99	30	
Ethyl Benzene	52		"	50.0		104	84-125		5.44	30	
Hexachlorobutadiene	52		"	50.0		105	83-133		9.42	30	
Isopropylbenzene	50		"	50.0		101	81-127		6.47	30	
Methyl acetate	41		"	50.0		81.3	41-143		3.07	30	
Methyl tert-butyl ether (MTBE)	45		"	50.0		89.1	74-131		6.66	30	
Methylcyclohexane	51		"	50.0		102	70-130		5.01	30	
Methylene chloride	51		"	50.0		103	57-141		5.48	30	
n-Butylbenzene	56		"	50.0		113	80-130		29.1	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BJ10964 - EPA 5035A

LCS Dup (BJ10964-BSD1) LCS Dup		Prepared & Analyzed: 10/15/2021									
n-Propylbenzene	51		ug/L	50.0		102	74-136		6.31	30	
o-Xylene	50		"	50.0		99.6	83-123		5.19	30	
p- & m- Xylenes	110		"	100		105	82-128		6.19	30	
p-Isopropyltoluene	53		"	50.0		107	85-125		6.29	30	
sec-Butylbenzene	53		"	50.0		106	83-125		5.79	30	
Styrene	49		"	50.0		98.7	86-126		5.54	30	
tert-Butyl alcohol (TBA)	190		"	250		77.3	70-130		3.25	30	
tert-Butylbenzene	51		"	50.0		102	80-127		6.86	30	
Tetrachloroethylene	47		"	50.0		93.7	80-129		6.57	30	
Toluene	50		"	50.0		99.5	85-121		5.47	30	
trans-1,2-Dichloroethylene	55		"	50.0		109	72-132		5.96	30	
trans-1,3-Dichloropropylene	47		"	50.0		93.5	78-132		3.90	30	
trans-1,4-dichloro-2-butene	48		"	50.0		95.3	75-135		2.81	30	
Trichloroethylene	52		"	50.0		104	84-123		6.20	30	
Trichlorofluoromethane	72		"	50.0		144	62-140	High Bias	8.45	30	
Vinyl Chloride	64		"	50.0		128	52-130		7.29	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	53.1		"	50.0		106	77-125				
Surrogate: SURR: Toluene-d8	52.6		"	50.0		105	85-120				
Surrogate: SURR: p-Bromofluorobenzene	49.1		"	50.0		98.1	76-130				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BJ10960 - EPA 3546 SVOA

Blank (BJ10960-BLK1)	Blank	Prepared: 10/16/2021 Analyzed: 10/18/2021									
1,1-Biphenyl	ND	0.0409	mg/kg wet								
1,2,4,5-Tetrachlorobenzene	ND	0.0817	"								
1,2,4-Trichlorobenzene	ND	0.0409	"								
1,2-Dichlorobenzene	ND	0.0409	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.0409	"								
1,3-Dichlorobenzene	ND	0.0409	"								
1,4-Dichlorobenzene	ND	0.0409	"								
2,3,4,6-Tetrachlorophenol	ND	0.0817	"								
2,4,5-Trichlorophenol	ND	0.0409	"								
2,4,6-Trichlorophenol	ND	0.0409	"								
2,4-Dichlorophenol	ND	0.0409	"								
2,4-Dimethylphenol	ND	0.0409	"								
2,4-Dinitrophenol	ND	0.0817	"								
2,4-Dinitrotoluene	ND	0.0409	"								
2,6-Dinitrotoluene	ND	0.0409	"								
2-Chloronaphthalene	ND	0.0409	"								
2-Chlorophenol	ND	0.0409	"								
2-Methylnaphthalene	ND	0.0409	"								
2-Methylphenol	ND	0.0409	"								
2-Nitroaniline	ND	0.0817	"								
2-Nitrophenol	ND	0.0409	"								
3- & 4-Methylphenols	ND	0.0409	"								
3,3-Dichlorobenzidine	ND	0.0409	"								
3-Nitroaniline	ND	0.0817	"								
4,6-Dinitro-2-methylphenol	ND	0.0817	"								
4-Bromophenyl phenyl ether	ND	0.0409	"								
4-Chloro-3-methylphenol	ND	0.0409	"								
4-Chloroaniline	ND	0.0409	"								
4-Chlorophenyl phenyl ether	ND	0.0409	"								
4-Nitroaniline	ND	0.0817	"								
4-Nitrophenol	ND	0.0817	"								
Acenaphthene	ND	0.0409	"								
Acenaphthylene	ND	0.0409	"								
Acetophenone	ND	0.0409	"								
Aniline	ND	0.164	"								
Anthracene	ND	0.0409	"								
Atrazine	ND	0.0409	"								
Benzaldehyde	ND	0.0409	"								
Benzidine	ND	0.164	"								
Benzo(a)anthracene	ND	0.0409	"								
Benzo(a)pyrene	ND	0.0409	"								
Benzo(b)fluoranthene	ND	0.0409	"								
Benzo(g,h,i)perylene	ND	0.0409	"								
Benzo(k)fluoranthene	ND	0.0409	"								
Benzoic acid	ND	0.0409	"								
Benzyl alcohol	ND	0.0409	"								
Benzyl butyl phthalate	ND	0.0409	"								
Bis(2-chloroethoxy)methane	ND	0.0409	"								
Bis(2-chloroethyl)ether	ND	0.0409	"								
Bis(2-chloroisopropyl)ether	ND	0.0409	"								
Bis(2-ethylhexyl)phthalate	ND	0.0409	"								



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 BJ10960 - EPA 3546 SVOA

Blank (BJ10960-BLK1)	Blank										Prepared: 10/16/2021 Analyzed: 10/18/2021
Caprolactam	ND	0.0817	mg/kg wet								
Carbazole	ND	0.0409	"								
Chrysene	ND	0.0409	"								
Dibenzo(a,h)anthracene	ND	0.0409	"								
Dibenzofuran	ND	0.0409	"								
Diethyl phthalate	ND	0.0409	"								
Dimethyl phthalate	ND	0.0409	"								
Di-n-butyl phthalate	ND	0.0409	"								
Di-n-octyl phthalate	ND	0.0409	"								
Diphenylamine	ND	0.0817	"								
Fluoranthene	ND	0.0409	"								
Fluorene	ND	0.0409	"								
Hexachlorobenzene	ND	0.0409	"								
Hexachlorobutadiene	ND	0.0409	"								
Hexachlorocyclopentadiene	ND	0.0409	"								
Hexachloroethane	ND	0.0409	"								
Indeno(1,2,3-cd)pyrene	ND	0.0409	"								
Isophorone	ND	0.0409	"								
Naphthalene	ND	0.0409	"								
Nitrobenzene	ND	0.0409	"								
N-Nitrosodimethylamine	ND	0.0409	"								
N-nitroso-di-n-propylamine	ND	0.0409	"								
N-Nitrosodiphenylamine	ND	0.0409	"								
Pentachlorophenol	ND	0.0409	"								
Phenanthrene	ND	0.0409	"								
Phenol	ND	0.0409	"								
Pyrene	ND	0.0409	"								
Surrogate: SURR: 2-Fluorophenol	1.08		"	1.63		66.3	20-108				
Surrogate: SURR: Phenol-d5	1.06		"	1.63		64.9	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.636		"	0.817		77.8	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.502		"	0.817		61.4	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.41		"	1.63		86.3	19-110				
Surrogate: SURR: Terphenyl-d14	0.605		"	0.817		74.0	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ10960 - EPA 3546 SVOA											
LCS (BJ10960-BS1)	LCS		Prepared: 10/16/2021 Analyzed: 10/18/2021								
1,1-Biphenyl	0.527	0.0413	mg/kg wet	0.825		63.9	18-111				
1,2,4,5-Tetrachlorobenzene	0.678	0.0825	"	0.825		82.2	21-131				
1,2,4-Trichlorobenzene	0.664	0.0413	"	0.825		80.5	10-140				
1,2-Dichlorobenzene	0.544	0.0413	"	0.825		66.0	34-108				
1,2-Diphenylhydrazine (as Azobenzene)	0.514	0.0413	"	0.825		62.2	17-137				
1,3-Dichlorobenzene	0.546	0.0413	"	0.825		66.2	33-110				
1,4-Dichlorobenzene	0.550	0.0413	"	0.825		66.6	32-104				
2,3,4,6-Tetrachlorophenol	0.510	0.0825	"	0.825		61.8	30-130				
2,4,5-Trichlorophenol	0.622	0.0413	"	0.825		75.4	27-118				
2,4,6-Trichlorophenol	0.655	0.0413	"	0.825		79.4	31-120				
2,4-Dichlorophenol	0.700	0.0413	"	0.825		84.8	20-127				
2,4-Dimethylphenol	0.654	0.0413	"	0.825		79.3	14-132				
2,4-Dinitrophenol	0.380	0.0825	"	0.825		46.0	10-171				
2,4-Dinitrotoluene	0.865	0.0413	"	0.825		105	34-131				
2,6-Dinitrotoluene	0.792	0.0413	"	0.825		96.0	31-128				
2-Chloronaphthalene	0.559	0.0413	"	0.825		67.8	31-117				
2-Chlorophenol	0.574	0.0413	"	0.825		69.5	33-113				
2-Methylnaphthalene	0.642	0.0413	"	0.825		77.8	12-138				
2-Methylphenol	0.602	0.0413	"	0.825		73.0	10-136				
2-Nitroaniline	0.676	0.0825	"	0.825		82.0	27-132				
2-Nitrophenol	0.804	0.0413	"	0.825		97.5	17-129				
3- & 4-Methylphenols	0.528	0.0413	"	0.825		64.0	29-103				
3,3-Dichlorobenzidine	0.604	0.0413	"	0.825		73.2	22-149				
3-Nitroaniline	0.601	0.0825	"	0.825		72.8	20-133				
4,6-Dinitro-2-methylphenol	0.720	0.0825	"	0.825		87.3	10-143				
4-Bromophenyl phenyl ether	0.650	0.0413	"	0.825		78.7	29-120				
4-Chloro-3-methylphenol	0.720	0.0413	"	0.825		87.3	24-129				
4-Chloroaniline	0.529	0.0413	"	0.825		64.1	10-132				
4-Chlorophenyl phenyl ether	0.646	0.0413	"	0.825		78.2	27-124				
4-Nitroaniline	0.587	0.0825	"	0.825		71.2	16-128				
4-Nitrophenol	0.508	0.0825	"	0.825		61.6	10-141				
Acenaphthene	0.546	0.0413	"	0.825		66.2	30-121				
Acenaphthylene	0.556	0.0413	"	0.825		67.4	30-115				
Acetophenone	0.552	0.0413	"	0.825		66.9	20-112				
Aniline	0.587	0.165	"	0.825		71.2	10-119				
Anthracene	0.577	0.0413	"	0.825		70.0	34-118				
Atrazine	0.703	0.0413	"	0.825		85.2	26-112				
Benzaldehyde	0.578	0.0413	"	0.825		70.0	21-100				
Benzo(a)anthracene	0.615	0.0413	"	0.825		74.5	32-122				
Benzo(a)pyrene	0.364	0.0413	"	0.825		44.1	29-133				
Benzo(b)fluoranthene	0.407	0.0413	"	0.825		49.4	25-133				
Benzo(g,h,i)perylene	0.543	0.0413	"	0.825		65.8	10-143				
Benzo(k)fluoranthene	0.393	0.0413	"	0.825		47.6	25-128				
Benzoic acid	0.0347	0.0413	"	0.825		4.20	10-140	Low Bias			
Benzyl alcohol	0.595	0.0413	"	0.825		72.1	30-115				
Benzyl butyl phthalate	0.593	0.0413	"	0.825		71.9	26-126				
Bis(2-chloroethoxy)methane	0.662	0.0413	"	0.825		80.2	19-132				
Bis(2-chloroethyl)ether	0.612	0.0413	"	0.825		74.2	19-125				
Bis(2-chloroisopropyl)ether	1.83	0.0413	"	0.825		222	20-135	High Bias			
Bis(2-ethylhexyl)phthalate	0.608	0.0413	"	0.825		73.7	10-155				
Caprolactam	0.659	0.0825	"	0.825		79.9	10-127				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BJ10960 - EPA 3546 SVOA

LCS (BJ10960-BS1)		LCS		Prepared: 10/16/2021 Analyzed: 10/18/2021							
Carbazole	0.564	0.0413	mg/kg wet	0.825		68.4	35-123				
Chrysene	0.618	0.0413	"	0.825		74.9	32-123				
Dibenzo(a,h)anthracene	0.560	0.0413	"	0.825		67.9	10-136				
Dibenzofuran	0.581	0.0413	"	0.825		70.4	29-121				
Diethyl phthalate	0.583	0.0413	"	0.825		70.7	34-116				
Dimethyl phthalate	0.607	0.0413	"	0.825		73.6	35-124				
Di-n-butyl phthalate	0.582	0.0413	"	0.825		70.5	31-116				
Di-n-octyl phthalate	0.538	0.0413	"	0.825		65.2	26-136				
Diphenylamine	0.645	0.0825	"	0.825		78.2	40-140				
Fluoranthene	0.625	0.0413	"	0.825		75.7	33-122				
Fluorene	0.585	0.0413	"	0.825		71.0	29-123				
Hexachlorobenzene	0.550	0.0413	"	0.825		66.7	21-124				
Hexachlorobutadiene	0.843	0.0413	"	0.825		102	10-149				
Hexachlorocyclopentadiene	0.359	0.0413	"	0.825		43.6	10-129				
Hexachloroethane	0.558	0.0413	"	0.825		67.6	28-108				
Indeno(1,2,3-cd)pyrene	0.568	0.0413	"	0.825		68.9	10-135				
Isophorone	0.684	0.0413	"	0.825		83.0	20-132				
Naphthalene	0.590	0.0413	"	0.825		71.5	23-124				
Nitrobenzene	0.698	0.0413	"	0.825		84.6	13-132				
N-Nitrosodimethylamine	0.475	0.0413	"	0.825		57.5	11-129				
N-nitroso-di-n-propylamine	0.628	0.0413	"	0.825		76.1	24-119				
N-Nitrosodiphenylamine	0.711	0.0413	"	0.825		86.2	22-152				
Pentachlorophenol	0.312	0.0413	"	0.825		37.8	10-139				
Phenanthrene	0.546	0.0413	"	0.825		66.2	33-123				
Phenol	0.700	0.0413	"	0.825		84.8	23-115				
Pyrene	0.602	0.0413	"	0.825		72.9	32-130				
Surrogate: SURR: 2-Fluorophenol	1.17		"	1.65		71.2	20-108				
Surrogate: SURR: Phenol-d5	1.17		"	1.65		70.9	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.689		"	0.825		83.5	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.573		"	0.825		69.5	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.49		"	1.65		90.3	19-110				
Surrogate: SURR: Terphenyl-d14	0.639		"	0.825		77.4	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BJ10960 - EPA 3546 SVOA

Matrix Spike (BJ10960-MS1)	Matrix Spike	*Source sample: 21J0443-03 (Matrix Spike)						Prepared: 10/16/2021 Analyzed: 10/18/2021			
1,1-Biphenyl	0.536	0.0833	mg/kg dry	0.832	ND	64.4	10-130				
1,2,4,5-Tetrachlorobenzene	0.652	0.166	"	0.832	ND	78.3	10-133				
1,2,4-Trichlorobenzene	0.629	0.0833	"	0.832	ND	75.5	10-127				
1,2-Dichlorobenzene	0.505	0.0833	"	0.832	ND	60.6	14-111				
1,2-Diphenylhydrazine (as Azobenzene)	0.515	0.0833	"	0.832	ND	61.9	10-144				
1,3-Dichlorobenzene	0.512	0.0833	"	0.832	ND	61.5	11-111				
1,4-Dichlorobenzene	0.507	0.0833	"	0.832	ND	60.9	10-106				
2,3,4,6-Tetrachlorophenol	0.423	0.166	"	0.832	ND	50.8	30-130				
2,4,5-Trichlorophenol	0.613	0.0833	"	0.832	ND	73.7	10-127				
2,4,6-Trichlorophenol	0.607	0.0833	"	0.832	ND	73.0	10-132				
2,4-Dichlorophenol	0.627	0.0833	"	0.832	ND	75.3	10-128				
2,4-Dimethylphenol	0.621	0.0833	"	0.832	ND	74.6	10-137				
2,4-Dinitrophenol	0.336	0.166	"	0.832	ND	40.3	10-171				
2,4-Dinitrotoluene	0.782	0.0833	"	0.832	ND	94.0	16-135				
2,6-Dinitrotoluene	0.759	0.0833	"	0.832	ND	91.2	18-131				
2-Chloronaphthalene	0.531	0.0833	"	0.832	ND	63.8	10-129				
2-Chlorophenol	0.527	0.0833	"	0.832	ND	63.3	15-116				
2-Methylnaphthalene	0.611	0.0833	"	0.832	ND	73.4	10-147				
2-Methylphenol	0.579	0.0833	"	0.832	ND	69.6	10-136				
2-Nitroaniline	0.623	0.166	"	0.832	ND	74.9	10-137				
2-Nitrophenol	0.700	0.0833	"	0.832	ND	84.1	10-129				
3- & 4-Methylphenols	0.485	0.0833	"	0.832	ND	58.3	10-123				
3,3-Dichlorobenzidine	0.557	0.0833	"	0.832	ND	67.0	10-155				
3-Nitroaniline	0.582	0.166	"	0.832	ND	69.9	12-133				
4,6-Dinitro-2-methylphenol	0.614	0.166	"	0.832	ND	73.8	10-155				
4-Bromophenyl phenyl ether	0.612	0.0833	"	0.832	ND	73.5	14-128				
4-Chloro-3-methylphenol	0.700	0.0833	"	0.832	ND	84.1	10-134				
4-Chloroaniline	0.517	0.0833	"	0.832	ND	62.1	10-145				
4-Chlorophenyl phenyl ether	0.623	0.0833	"	0.832	ND	74.8	14-130				
4-Nitroaniline	0.575	0.166	"	0.832	ND	69.0	10-147				
4-Nitrophenol	0.512	0.166	"	0.832	ND	61.5	10-137				
Acenaphthene	0.535	0.0833	"	0.832	ND	64.2	10-146				
Acenaphthylene	0.539	0.0833	"	0.832	ND	64.8	10-134				
Acetophenone	0.534	0.0833	"	0.832	ND	64.2	10-116				
Aniline	0.575	0.334	"	0.832	ND	69.1	10-123				
Anthracene	0.594	0.0833	"	0.832	ND	71.4	10-142				
Atrazine	0.700	0.0833	"	0.832	ND	84.1	19-115				
Benzaldehyde	0.598	0.0833	"	0.832	ND	71.8	10-125				
Benzo(a)anthracene	0.616	0.0833	"	0.832	ND	74.0	10-158				
Benzo(a)pyrene	0.517	0.0833	"	0.832	ND	62.2	10-180				
Benzo(b)fluoranthene	0.545	0.0833	"	0.832	ND	65.4	10-200				
Benzo(g,h,i)perylene	0.412	0.0833	"	0.832	ND	49.4	10-138				
Benzo(k)fluoranthene	0.553	0.0833	"	0.832	ND	66.5	10-197				
Benzoic acid	ND	0.0833	"	0.832	ND		10-166		Low Bias		
Benzyl alcohol	0.524	0.0833	"	0.832	ND	63.0	12-124				
Benzyl butyl phthalate	0.563	0.0833	"	0.832	ND	67.6	10-154				
Bis(2-chloroethoxy)methane	0.631	0.0833	"	0.832	ND	75.8	10-132				
Bis(2-chloroethyl)ether	0.561	0.0833	"	0.832	ND	67.4	10-119				
Bis(2-chloroisopropyl)ether	1.72	0.0833	"	0.832	ND	206	10-139		High Bias		
Bis(2-ethylhexyl)phthalate	0.615	0.0833	"	0.832	ND	73.9	10-167				
Caprolactam	0.663	0.166	"	0.832	ND	79.6	10-132				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BJ10960 - EPA 3546 SVOA

Matrix Spike (BJ10960-MS1)	Matrix Spike	*Source sample: 21J0443-03 (Matrix Spike)						Prepared: 10/16/2021 Analyzed: 10/18/2021			
Carbazole	0.564	0.0833	mg/kg dry	0.832	ND	67.8	10-167				
Chrysene	0.628	0.0833	"	0.832	ND	75.4	10-156				
Dibenzo(a,h)anthracene	0.415	0.0833	"	0.832	ND	49.8	10-137				
Dibenzofuran	0.565	0.0833	"	0.832	ND	67.8	10-147				
Diethyl phthalate	0.552	0.0833	"	0.832	ND	66.3	20-120				
Dimethyl phthalate	0.597	0.0833	"	0.832	ND	71.8	18-131				
Di-n-butyl phthalate	0.575	0.0833	"	0.832	ND	69.0	10-137				
Di-n-octyl phthalate	0.617	0.0833	"	0.832	ND	74.2	10-180				
Diphenylamine	0.637	0.166	"	0.832	ND	76.6	40-140				
Fluoranthene	0.598	0.0833	"	0.832	ND	71.8	10-160				
Fluorene	0.570	0.0833	"	0.832	ND	68.5	10-157				
Hexachlorobenzene	0.532	0.0833	"	0.832	ND	63.9	10-137				
Hexachlorobutadiene	0.780	0.0833	"	0.832	ND	93.8	10-132				
Hexachlorocyclopentadiene	0.273	0.0833	"	0.832	ND	32.8	10-106				
Hexachloroethane	0.523	0.0833	"	0.832	ND	62.9	10-110				
Indeno(1,2,3-cd)pyrene	0.427	0.0833	"	0.832	ND	51.3	10-144				
Isophorone	0.643	0.0833	"	0.832	ND	77.2	10-132				
Naphthalene	0.551	0.0833	"	0.832	ND	66.2	10-141				
Nitrobenzene	0.633	0.0833	"	0.832	ND	76.0	10-131				
N-Nitrosodimethylamine	0.477	0.0833	"	0.832	ND	57.3	10-126				
N-nitroso-di-n-propylamine	0.584	0.0833	"	0.832	ND	70.2	10-125				
N-Nitrosodiphenylamine	0.676	0.0833	"	0.832	ND	81.2	10-177				
Pentachlorophenol	0.271	0.0833	"	0.832	ND	32.6	10-153				
Phenanthrene	0.550	0.0833	"	0.832	ND	66.1	10-148				
Phenol	0.629	0.0833	"	0.832	ND	75.6	10-126				
Pyrene	0.594	0.0833	"	0.832	ND	71.4	10-165				
Surrogate: SURR: 2-Fluorophenol	1.09		"	1.66		65.2	20-108				
Surrogate: SURR: Phenol-d5	1.08		"	1.66		65.1	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.638		"	0.832		76.6	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.549		"	0.832		66.0	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.50		"	1.66		90.3	19-110				
Surrogate: SURR: Terphenyl-d14	0.617		"	0.832		74.2	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

Batch BJ10921 - EPA 3550C

Blank (BJ10921-BLK1)	Blank		Prepared: 10/15/2021 Analyzed: 10/18/2021								
4,4'-DDD	ND	0.00164	mg/kg wet								
4,4'-DDE	ND	0.00164	"								
4,4'-DDT	ND	0.00164	"								
Aldrin	ND	0.00164	"								
alpha-BHC	ND	0.00164	"								
alpha-Chlordane	ND	0.00164	"								
beta-BHC	ND	0.00164	"								
Chlordane, total	ND	0.0329	"								
delta-BHC	ND	0.00164	"								
Dieldrin	ND	0.00164	"								
Endosulfan I	ND	0.00164	"								
Endosulfan II	ND	0.00164	"								
Endosulfan sulfate	ND	0.00164	"								
Endrin	ND	0.00164	"								
Endrin aldehyde	ND	0.00164	"								
Endrin ketone	ND	0.00164	"								
gamma-BHC (Lindane)	ND	0.00164	"								
gamma-Chlordane	ND	0.00164	"								
Heptachlor	ND	0.00164	"								
Heptachlor epoxide	ND	0.00164	"								
Methoxychlor	ND	0.00822	"								
Toxaphene	ND	0.0832	"								
Surrogate: Decachlorobiphenyl	0.0364		"	0.0664		54.8	30-150				
Surrogate: Tetrachloro-m-xylene	0.0385		"	0.0664		58.0	30-150				

LCS (BJ10921-BS1)	LCS		Prepared: 10/15/2021 Analyzed: 10/18/2021								
4,4'-DDD	0.0251	0.00164	mg/kg wet	0.0332		75.5	40-140				
4,4'-DDE	0.0149	0.00164	"	0.0332		45.0	40-140				
4,4'-DDT	0.0146	0.00164	"	0.0332		43.8	40-140				
Aldrin	0.0281	0.00164	"	0.0332		84.7	40-140				
alpha-BHC	0.0383	0.00164	"	0.0332		115	40-140				
alpha-Chlordane	0.0307	0.00164	"	0.0332		92.5	40-140				
beta-BHC	0.0281	0.00164	"	0.0332		84.6	40-140				
delta-BHC	0.0250	0.00164	"	0.0332		75.2	40-140				
Dieldrin	0.0305	0.00164	"	0.0332		91.9	40-140				
Endosulfan I	0.0369	0.00164	"	0.0332		111	40-140				
Endosulfan II	0.0308	0.00164	"	0.0332		92.7	40-140				
Endosulfan sulfate	0.0252	0.00164	"	0.0332		75.9	40-140				
Endrin	0.0215	0.00164	"	0.0332		64.7	40-140				
Endrin aldehyde	0.0258	0.00164	"	0.0332		77.6	40-140				
Endrin ketone	0.0316	0.00164	"	0.0332		95.2	40-140				
gamma-BHC (Lindane)	0.0269	0.00164	"	0.0332		80.9	40-140				
gamma-Chlordane	0.0299	0.00164	"	0.0332		90.1	40-140				
Heptachlor	0.0263	0.00164	"	0.0332		79.2	40-140				
Heptachlor epoxide	0.0297	0.00164	"	0.0332		89.5	40-140				
Methoxychlor	0.0156	0.00822	"	0.0332		46.8	40-140				
Surrogate: Decachlorobiphenyl	0.0406		"	0.0664		61.1	30-150				
Surrogate: Tetrachloro-m-xylene	0.0435		"	0.0664		65.4	30-150				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch Y1J1101 - BJ10162

Performance Mix (Y1J1101-P) Performance Mix		Prepared & Analyzed: 10/09/2021									
4,4'-DDD	18.8		ng/mL	0.00			0-200				
4,4'-DDE	3.48		"	0.00			0-200				
4,4'-DDT	275		"	200		137	0-200				
Endrin	166		"	100		166	0-200				
Endrin aldehyde	1.51		"	0.00			0-200				
Endrin ketone	9.84		"	0.00			0-200				

Batch Y1J1910 - BJ10746

Performance Mix (Y1J1910-P) Performance Mix		Prepared & Analyzed: 10/18/2021									
4,4'-DDD	17.7		ng/mL	0.00			0-200				
4,4'-DDE	2.93		"	0.00			0-200				
4,4'-DDT	378		"	200		189	0-200				
Endrin	194		"	100		194	0-200				
Endrin aldehyde	3.41		"	0.00			0-200				
Endrin ketone	10.3		"	0.00			0-200				

Performance Mix (Y1J1910-P) Performance Mix		Prepared & Analyzed: 10/18/2021									
4,4'-DDD	22.9		ng/mL	0.00			0-200				
4,4'-DDE	1.69		"	0.00			0-200				
4,4'-DDT	223		"	200		112	0-200				
Endrin	134		"	100		134	0-200				
Endrin aldehyde	3.72		"	0.00			0-200				
Endrin ketone	16.4		"	0.00			0-200				



Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BJ10921 - EPA 3550C

Blank (BJ10921-BLK2)		Blank		Prepared: 10/15/2021 Analyzed: 10/18/2021							
Aroclor 1016	ND	0.0166	mg/kg wet								
Aroclor 1221	ND	0.0166	"								
Aroclor 1232	ND	0.0166	"								
Aroclor 1242	ND	0.0166	"								
Aroclor 1248	ND	0.0166	"								
Aroclor 1254	ND	0.0166	"								
Aroclor 1260	ND	0.0166	"								
Total PCBs	ND	0.0166	"								
Surrogate: Tetrachloro-m-xylene	0.0392		"	0.0664		59.0	30-140				
Surrogate: Decachlorobiphenyl	0.0239		"	0.0664		36.0	30-140				

LCS (BJ10921-BS2)		LCS		Prepared: 10/15/2021 Analyzed: 10/18/2021							
Aroclor 1016	0.251	0.0166	mg/kg wet	0.332		75.6	40-130				
Aroclor 1260	0.230	0.0166	"	0.332		69.2	40-130				
Surrogate: Tetrachloro-m-xylene	0.0468		"	0.0664		70.5	30-140				
Surrogate: Decachlorobiphenyl	0.0282		"	0.0664		42.5	30-140				

Batch Y1J1846 - BJ10833

Aroclor Reference (Y1J1846-A)		Aroclor Reference		Prepared & Analyzed: 10/18/2021							
Surrogate: Tetrachloro-m-xylene	0.184		ug/mL	0.200		92.0					
Surrogate: Decachlorobiphenyl	0.163		"	0.200		81.5					



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

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

Batch BJ10868 - EPA 3050B

Blank (BJ10868-BLK1)	Blank										Prepared: 10/14/2021 Analyzed: 10/15/2021	
Aluminum	ND	5.00	mg/kg wet									
Antimony	ND	2.50	"									
Arsenic	ND	1.50	"									
Barium	ND	2.50	"									
Beryllium	ND	0.050	"									
Cadmium	ND	0.300	"									
Calcium	ND	5.00	"									
Chromium	ND	0.500	"									
Cobalt	ND	0.400	"									
Copper	ND	2.00	"									
Iron	ND	25.0	"									
Lead	ND	0.500	"									
Magnesium	ND	5.00	"									
Manganese	ND	0.500	"									
Nickel	ND	1.00	"									
Potassium	5.67	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 (BJ10868-DUP1)	Duplicate	*Source sample: 21J0596-04 (Duplicate)				Prepared: 10/14/2021 Analyzed: 10/15/2021			
Aluminum		6870	5.37	mg/kg dry		5850		16.0	35
Antimony		ND	2.68	"		ND			35
Arsenic		1.63	1.61	"		ND			35
Barium		59.6	2.68	"		43.3		31.8	35
Beryllium		ND	0.054	"		ND			35
Cadmium		2.76	0.322	"		3.03		9.09	35
Calcium		2450	5.37	"		1720		34.9	35
Chromium		12.4	0.537	"		11.0		12.4	35
Cobalt		7.25	0.430	"		7.55		4.13	35
Copper		57.0	2.15	"		58.3		2.13	35
Iron		12000	26.8	"		14300		17.3	35
Lead		169	0.537	"		164		3.31	35
Magnesium		1700	5.37	"		2050		18.9	35
Manganese		325	0.537	"		358		9.75	35
Nickel		17.9	1.07	"		18.6		3.49	35
Potassium		479	5.37	"		373		25.1	35
Selenium		ND	2.68	"		ND			35
Silver		ND	0.537	"		ND			35
Sodium		187	53.7	"		65.2		96.6	35
Thallium		ND	2.68	"		ND			35
Vanadium		15.7	1.07	"		15.4		2.01	35
Zinc		1510	2.68	"		1430		5.62	35
			</						



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

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

Batch BJ10868 - EPA 3050B

Matrix Spike (BJ10868-MS1)	Matrix Spike	*Source sample: 21J0596-04 (Matrix Spike)						Prepared: 10/14/2021 Analyzed: 10/15/2021			
Aluminum	5830	5.37	mg/kg dry	215	5850	NR	75-125	Low Bias			
Antimony	12.7	2.68	"	26.8	ND	47.3	75-125	Low Bias			
Arsenic	213	1.61	"	215	ND	99.2	75-125				
Barium	290	2.68	"	215	43.3	115	75-125				
Beryllium	5.43	0.054	"	5.37	ND	101	75-125				
Cadmium	8.87	0.322	"	5.37	3.03	109	75-125				
Calcium	1770	5.37	"	107	1720	43.6	75-125	Low Bias			
Chromium	35.3	0.537	"	21.5	11.0	114	75-125				
Cobalt	65.5	0.430	"	53.7	7.55	108	75-125				
Copper	90.3	2.15	"	26.8	58.3	119	75-125				
Iron	14300	26.8	"	107	14300	57.9	75-125	Low Bias			
Lead	218	0.537	"	53.7	164	101	75-125				
Magnesium	1750	5.37	"	107	2050	NR	75-125	Low Bias			
Manganese	353	0.537	"	53.7	358	NR	75-125	Low Bias			
Nickel	77.1	1.07	"	53.7	18.6	109	75-125				
Potassium	485	5.37	"	107	373	105	75-125				
Selenium	177	2.68	"	215	ND	82.5	75-125				
Silver	5.59	0.537	"	5.37	ND	104	75-125				
Sodium	156	53.7	"	107	65.2	84.7	75-125				
Thallium	213	2.68	"	215	ND	99.3	75-125				
Vanadium	72.1	1.07	"	53.7	15.4	105	75-125				
Zinc	1630	2.68	"	53.7	1430	377	75-125	High Bias			

Post Spike (BJ10868-PS1)	Post Spike	*Source sample: 21J0596-04 (Post Spike)						Prepared: 10/14/2021 Analyzed: 10/15/2021			
Aluminum	55.7		ug/mL	2.00	54.5	61.8	75-125	Low Bias			
Antimony	0.266		"	0.250	0.019	98.9	75-125				
Arsenic	2.01		"	2.00	0.001	101	75-125				
Barium	2.67		"	2.00	0.403	113	75-125				
Beryllium	0.051		"	0.0500	-0.001	101	75-125				
Cadmium	0.081		"	0.0500	0.028	106	75-125				
Calcium	17.0		"	1.00	16.0	95.3	75-125				
Chromium	0.316		"	0.200	0.102	107	75-125				
Cobalt	0.617		"	0.500	0.070	109	75-125				
Copper	0.814		"	0.250	0.543	109	75-125				
Iron	133		"	1.00	133	NR	75-125	Low Bias			
Lead	2.02		"	0.500	1.52	99.9	75-125				
Magnesium	20.1		"	1.00	19.1	101	75-125				
Manganese	3.81		"	0.500	3.34	94.5	75-125				
Nickel	0.712		"	0.500	0.173	108	75-125				
Potassium	4.60		"	1.00	3.47	113	75-125				
Selenium	1.68		"	2.00	-0.090	83.9	75-125				
Silver	0.004		"	0.0500	-0.0009	7.88	75-125	Low Bias			
Sodium	1.62		"	1.00	0.607	101	75-125				
Thallium	2.00		"	2.00	-0.007	100	75-125				
Vanadium	0.689		"	0.500	0.144	109	75-125				
Zinc	13.9		"	0.500	13.3	127	75-125	High Bias			



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

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

Batch BJ10868 - EPA 3050B

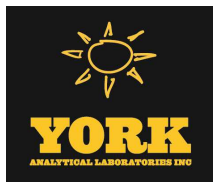
Reference (BJ10868-SRM1)	Reference	Prepared: 10/14/2021 Analyzed: 10/15/2021									
Aluminum	9530	5.00	mg/kg wet	8130		117	49.9-150.1				
Antimony	81.1	2.50	"	134		60.5	19.3-250				
Arsenic	171	1.50	"	156		110	69.9-130.1				
Barium	287	2.50	"	239		120	74.9-124.7				
Beryllium	195	0.050	"	169		115	75.1-125.4				
Cadmium	163	0.300	"	137		119	75.2-124.8				
Calcium	5510	5.00	"	4760		116	72.7-127.5				
Chromium	178	0.500	"	154		115	70.1-129.9				
Cobalt	147	0.400	"	121		122	75-124.8				
Copper	61.8	2.00	"	54.9		113	74.9-125				
Iron	14800	25.0	"	14100		105	34.9-164.5				
Lead	136	0.500	"	130		105	71.8-128.5				
Magnesium	2600	5.00	"	2320		112	62.1-137.9				
Manganese	300	0.500	"	269		112	74-126.4				
Nickel	73.7	1.00	"	53.9		137	69.9-129.9	High Bias			
Potassium	2270	5.00	"	2020		112	58.9-141.1				
Selenium	150	2.50	"	167		89.7	67.7-132.3				
Silver	34.3	0.500	"	33.6		102	68.5-131.3				
Sodium	151	50.0	"	133		114	35-165.4				
Thallium	118	2.50	"	112		105	67.9-131.3				
Vanadium	69.1	1.00	"	62.6		110	59.1-141.1				
Zinc	169	2.50	"	158		107	70.3-129.7				



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 BJ11001 - EPA 7473 soil											
Blank (BJ11001-BLK1)	Blank								Prepared & Analyzed: 10/18/2021		
Mercury	ND	0.0300	mg/kg wet								
Duplicate (BJ11001-DUP1)	Duplicate	*Source sample: 21J0430-01 (Duplicate)							Prepared & Analyzed: 10/18/2021		
Mercury	ND	0.0312	mg/kg dry		ND					35	
Matrix Spike (BJ11001-MS1)	Matrix Spike	*Source sample: 21J0430-01 (Matrix Spike)							Prepared & Analyzed: 10/18/2021		
Mercury	0.552		mg/kg	0.500	0.0135	108	75-125				
Reference (BJ11001-SRM1)	Reference								Prepared & Analyzed: 10/18/2021		
Mercury	20.733		mg/kg	27.2		76.2	59.9-140.1				



Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ10844 - EPA SW846-3060											
Blank (BJ10844-BLK1)	Blank		Prepared & Analyzed: 10/14/2021								
Chromium, Hexavalent	ND	0.500	mg/kg wet								
Duplicate (BJ10844-DUP1)	Duplicate		Prepared & Analyzed: 10/14/2021								
Chromium, Hexavalent	ND	0.500	mg/kg wet		ND					35	
Matrix Spike (BJ10844-MS1)	Matrix Spike		Prepared & Analyzed: 10/14/2021								
Chromium, Hexavalent	17.8	0.500	mg/kg wet	20.0	ND	89.0	75-125				
Reference (BJ10844-SRM1)	Reference		Prepared & Analyzed: 10/14/2021								
Chromium, Hexavalent	73.0		mg/L	109		66.9	30-169.7				



Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BJ10988 - % Solids Prep

Duplicate (BJ10988-DUP1)	Duplicate	*Source sample: 21J0457-01 (Duplicate)					Prepared & Analyzed: 10/18/2021		
% Solids		85.3	0.100	%		84.8		0.592	20



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
21J0466-01	SB01_10-12	40mL Vial with Stir Bar-Cool 4° C
21J0466-02	SB01_3-5	40mL 01_Clear Vial Cool to 4° C
21J0466-05	SB02_9-11	40mL Vial with Stir Bar-Cool 4° C
21J0466-09	SB08_3-5	40mL Vial with Stir Bar-Cool 4° C
21J0466-10	SB08_14-16	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C
21J0466-12	SB09_12-14	40mL 01_Clear Vial Cool to 4° C

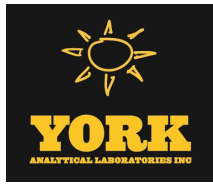


Sample and Data Qualifiers Relating to This Work Order

VOA-Re	VOA sample for re-run was taken from a bulk sample container noncompliant with SW-846 5035A due to a depletion of a proper vial during analysis. Results below 200 ug/Kg may be biased low.
VOA-E	The concentration reported for this analyte is an estimated value above the linear range of the instrument for EPA SW846-5035/8260 (>200ppb). Re-analysis using 5035/8260 medium level prep. resulted in a detection below the reporting limit (<500ppb).
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.
M-DUPS	The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity
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.
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate.
CCV-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).
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.

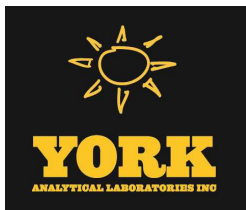
2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

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: Per client request, additional samples were placed on hold following receipt and are as follows: SB02_0-2, SB07_3-5, SB07_10-12 and SB09_4-6.



Technical Report

prepared for:

Langan Engineering & Environmental Services (NYC)

21 Penn Plaza, 360 West 31st Street

New York NY, 10001

Attention: Woo-Jun Kim

Report Date: 11/03/2021

Client Project ID: 170695201

York Project (SDG) No.: 21J0468



CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037

New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

Report Date: 11/03/2021
Client Project ID: 170695201
York Project (SDG) No.: 21J0468

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Woo-Jun Kim

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 October 09, 2021 and listed below. The project was identified as your project: **170695201**.

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>
21J0468-01	SV02_100921	Soil Vapor	10/09/2021	10/09/2021
21J0468-02	SV01_100921	Soil Vapor	10/09/2021	10/09/2021
21J0468-03	SV03_100921	Soil Vapor	10/09/2021	10/09/2021
21J0468-04	AA01_100921	Outdoor Ambient Ai	10/09/2021	10/09/2021

General Notes for York Project (SDG) No.: 21J0468

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

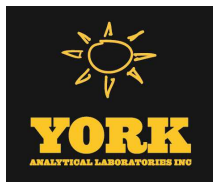
Approved By



Cassie L. Mosher
Laboratory Manager

Date: 11/03/2021





Sample Information

Client Sample ID: SV02_100921

York Sample ID: 21J0468-01

York Project (SDG) No.

21J0468

Client Project ID

170695201

Matrix

Soil Vapor

Collection Date/Time

October 9, 2021 1:13 pm

Date Received

10/09/2021

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	1.9	2.796	EPA TO-15 Certifications:	10/15/2021 12:00	10/15/2021 23:08	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	1.5	2.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/15/2021 23:08	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	1.9	2.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/15/2021 23:08	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	2.1	2.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/15/2021 23:08	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	1.5	2.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/15/2021 23:08	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/m ³	1.1	2.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/15/2021 23:08	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.28	2.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/15/2021 23:08	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	2.1	2.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/15/2021 23:08	LLJ
95-63-6	1,2,4-Trimethylbenzene	16		ug/m ³	1.4	2.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/15/2021 23:08	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/m ³	2.1	2.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/15/2021 23:08	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	1.7	2.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/15/2021 23:08	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/m ³	1.1	2.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/15/2021 23:08	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/m ³	1.3	2.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/15/2021 23:08	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	2.0	2.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/15/2021 23:08	LLJ
108-67-8	1,3,5-Trimethylbenzene	4.7		ug/m ³	1.4	2.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/15/2021 23:08	LLJ
106-99-0	1,3-Butadiene	17		ug/m ³	1.9	2.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/15/2021 23:08	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	1.7	2.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/15/2021 23:08	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	1.3	2.796	EPA TO-15 Certifications:	10/15/2021 12:00	10/15/2021 23:08	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	1.7	2.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/15/2021 23:08	LLJ
123-91-1	1,4-Dioxane	ND		ug/m ³	2.0	2.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/15/2021 23:08	LLJ
78-93-3	2-Butanone	12		ug/m ³	0.82	2.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/15/2021 23:08	LLJ



Sample Information

Client Sample ID: SV02_100921

York Sample ID: 21J0468-01

York Project (SDG) No.
21J0468

Client Project ID
170695201

Matrix
Soil Vapor

Collection Date/Time
October 9, 2021 1:13 pm

Date Received
10/09/2021

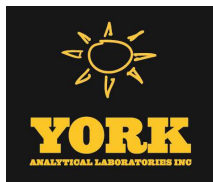
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes: TO-VAC

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	* 2-Hexanone	ND		ug/m ³	2.3	2.796	EPA TO-15 Certifications:	10/15/2021 12:00	10/15/2021 23:08	LLJ
107-05-1	3-Chloropropene	ND		ug/m ³	4.4	2.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/15/2021 23:08	LLJ
108-10-1	4-Methyl-2-pentanone	3.4		ug/m ³	1.1	2.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/15/2021 23:08	LLJ
67-64-1	Acetone	47		ug/m ³	1.3	2.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/15/2021 23:08	LLJ
107-13-1	Acrylonitrile	ND		ug/m ³	0.61	2.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/15/2021 23:08	LLJ
71-43-2	Benzene	7.7		ug/m ³	0.89	2.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/15/2021 23:08	LLJ
100-44-7	Benzyl chloride	ND		ug/m ³	1.4	2.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/15/2021 23:08	LLJ
75-27-4	Bromodichloromethane	ND		ug/m ³	1.9	2.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/15/2021 23:08	LLJ
75-25-2	Bromoform	ND		ug/m ³	2.9	2.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/15/2021 23:08	LLJ
74-83-9	Bromomethane	ND		ug/m ³	1.1	2.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/15/2021 23:08	LLJ
75-15-0	Carbon disulfide	13		ug/m ³	0.87	2.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/15/2021 23:08	LLJ
56-23-5	Carbon tetrachloride	ND		ug/m ³	0.44	2.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/15/2021 23:08	LLJ
108-90-7	Chlorobenzene	ND		ug/m ³	1.3	2.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/15/2021 23:08	LLJ
75-00-3	Chloroethane	ND		ug/m ³	0.74	2.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/15/2021 23:08	LLJ
67-66-3	Chloroform	1.4		ug/m ³	1.4	2.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/15/2021 23:08	LLJ
74-87-3	Chloromethane	ND		ug/m ³	0.58	2.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/15/2021 23:08	LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.28	2.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/15/2021 23:08	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	1.3	2.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/15/2021 23:08	LLJ
110-82-7	Cyclohexane	9.0		ug/m ³	0.96	2.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/15/2021 23:08	LLJ
124-48-1	Dibromochloromethane	ND		ug/m ³	2.4	2.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/15/2021 23:08	LLJ
75-71-8	Dichlorodifluoromethane	2.1		ug/m ³	1.4	2.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/15/2021 23:08	LLJ
141-78-6	* Ethyl acetate	ND		ug/m ³	2.0	2.796	EPA TO-15 Certifications:	10/15/2021 12:00	10/15/2021 23:08	LLJ



Sample Information

Client Sample ID: SV02_100921

York Sample ID: 21J0468-01

York Project (SDG) No.

21J0468

Client Project ID

170695201

Matrix

Soil Vapor

Collection Date/Time

October 9, 2021 1:13 pm

Date Received

10/09/2021

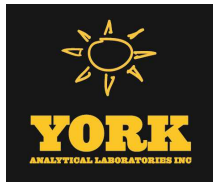
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes: TO-VAC

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	8.5		ug/m ³	1.2	2.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/15/2021 23:08	LLJ
87-68-3	Hexachlorobutadiene	ND		ug/m ³	3.0	2.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/15/2021 23:08	LLJ
67-63-0	Isopropanol	6.5		ug/m ³	1.4	2.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/15/2021 23:08	LLJ
80-62-6	Methyl Methacrylate	ND		ug/m ³	1.1	2.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/15/2021 23:08	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	1.0	2.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/15/2021 23:08	LLJ
75-09-2	Methylene chloride	40		ug/m ³	1.9	2.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/15/2021 23:08	LLJ
142-82-5	n-Heptane	20		ug/m ³	1.1	2.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/15/2021 23:08	LLJ
110-54-3	n-Hexane	28		ug/m ³	0.99	2.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/15/2021 23:08	LLJ
95-47-6	o-Xylene	12		ug/m ³	1.2	2.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/15/2021 23:08	LLJ
179601-23-1	p- & m- Xylenes	31		ug/m ³	2.4	2.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/15/2021 23:08	LLJ
622-96-8	* p-Ethyltoluene	15		ug/m ³	1.4	2.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/15/2021 23:08	LLJ
115-07-1	* Propylene	130		ug/m ³	0.48	2.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/15/2021 23:08	LLJ
100-42-5	Styrene	1.4		ug/m ³	1.2	2.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/15/2021 23:08	LLJ
127-18-4	Tetrachloroethylene	6.1		ug/m ³	1.9	2.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/15/2021 23:08	LLJ
109-99-9	* Tetrahydrofuran	15		ug/m ³	1.6	2.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/15/2021 23:08	LLJ
108-88-3	Toluene	31		ug/m ³	1.1	2.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/15/2021 23:08	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	1.1	2.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/15/2021 23:08	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	1.3	2.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/15/2021 23:08	LLJ
79-01-6	Trichloroethylene	ND		ug/m ³	0.38	2.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/15/2021 23:08	LLJ
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m ³	1.6	2.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/15/2021 23:08	LLJ
108-05-4	Vinyl acetate	ND		ug/m ³	0.98	2.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/15/2021 23:08	LLJ
593-60-2	Vinyl bromide	ND		ug/m ³	1.2	2.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/15/2021 23:08	LLJ



Sample Information

Client Sample ID: SV02_100921

York Sample ID: 21J0468-01

York Project (SDG) No.

21J0468

Client Project ID

170695201

Matrix

Soil Vapor

Collection Date/Time

October 9, 2021 1:13 pm

Date Received

10/09/2021

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes: TO-VAC

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m ³	0.36	2.796	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/15/2021 23:08	LLJ



Sample Information

Client Sample ID: SV01_100921

York Sample ID: 21J0468-02

York Project (SDG) No.
21J0468

Client Project ID
170695201

Matrix
Soil Vapor

Collection Date/Time
October 9, 2021 1:12 pm

Date Received
10/09/2021

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	5.4	7.855	EPA TO-15 Certifications:	10/15/2021 12:00	10/16/2021 00:05	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	4.3	7.855	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 00:05	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	5.4	7.855	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 00:05	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	6.0	7.855	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 00:05	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	4.3	7.855	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 00:05	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/m ³	3.2	7.855	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 00:05	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.78	7.855	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 00:05	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	5.8	7.855	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 00:05	LLJ
95-63-6	1,2,4-Trimethylbenzene	27		ug/m ³	3.9	7.855	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 00:05	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/m ³	6.0	7.855	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 00:05	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	4.7	7.855	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 00:05	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/m ³	3.2	7.855	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 00:05	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/m ³	3.6	7.855	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 00:05	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	5.5	7.855	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 00:05	LLJ
108-67-8	1,3,5-Trimethylbenzene	8.5		ug/m ³	3.9	7.855	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 00:05	LLJ
106-99-0	1,3-Butadiene	ND		ug/m ³	5.2	7.855	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 00:05	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	4.7	7.855	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 00:05	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	3.6	7.855	EPA TO-15 Certifications:	10/15/2021 12:00	10/16/2021 00:05	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	4.7	7.855	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 00:05	LLJ
123-91-1	1,4-Dioxane	ND		ug/m ³	5.7	7.855	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 00:05	LLJ
78-93-3	2-Butanone	45		ug/m ³	2.3	7.855	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 00:05	LLJ
591-78-6	* 2-Hexanone	ND		ug/m ³	6.4	7.855	EPA TO-15 Certifications:	10/15/2021 12:00	10/16/2021 00:05	LLJ



Sample Information

Client Sample ID: SV01_100921

York Sample ID: 21J0468-02

York Project (SDG) No.
21J0468

Client Project ID
170695201

Matrix
Soil Vapor

Collection Date/Time
October 9, 2021 1:12 pm

Date Received
10/09/2021

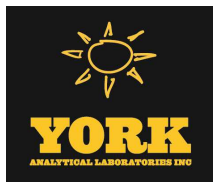
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m ³	12	7.855	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 00:05	LLJ
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	3.2	7.855	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 00:05	LLJ
67-64-1	Acetone	120		ug/m ³	3.7	7.855	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 00:05	LLJ
107-13-1	Acrylonitrile	ND		ug/m ³	1.7	7.855	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 00:05	LLJ
71-43-2	Benzene	13		ug/m ³	2.5	7.855	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 00:05	LLJ
100-44-7	Benzyl chloride	ND		ug/m ³	4.1	7.855	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 00:05	LLJ
75-27-4	Bromodichloromethane	ND		ug/m ³	5.3	7.855	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 00:05	LLJ
75-25-2	Bromoform	ND		ug/m ³	8.1	7.855	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 00:05	LLJ
74-83-9	Bromomethane	ND		ug/m ³	3.1	7.855	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 00:05	LLJ
75-15-0	Carbon disulfide	23		ug/m ³	2.4	7.855	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 00:05	LLJ
56-23-5	Carbon tetrachloride	ND		ug/m ³	1.2	7.855	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 00:05	LLJ
108-90-7	Chlorobenzene	ND		ug/m ³	3.6	7.855	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 00:05	LLJ
75-00-3	Chloroethane	ND		ug/m ³	2.1	7.855	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 00:05	LLJ
67-66-3	Chloroform	4.6		ug/m ³	3.8	7.855	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 00:05	LLJ
74-87-3	Chloromethane	ND		ug/m ³	1.6	7.855	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 00:05	LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.78	7.855	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 00:05	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	3.6	7.855	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 00:05	LLJ
110-82-7	Cyclohexane	140		ug/m ³	2.7	7.855	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 00:05	LLJ
124-48-1	Dibromochloromethane	ND		ug/m ³	6.7	7.855	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 00:05	LLJ
75-71-8	Dichlorodifluoromethane	ND		ug/m ³	3.9	7.855	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 00:05	LLJ
141-78-6	* Ethyl acetate	ND		ug/m ³	5.7	7.855	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 00:05	LLJ
100-41-4	Ethyl Benzene	23		ug/m ³	3.4	7.855	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 00:05	LLJ



Sample Information

Client Sample ID: SV01_100921

York Sample ID: 21J0468-02

York Project (SDG) No.

21J0468

Client Project ID

170695201

Matrix

Soil Vapor

Collection Date/Time

October 9, 2021 1:12 pm

Date Received

10/09/2021

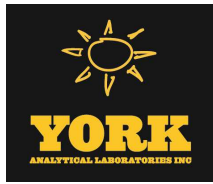
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/m ³	8.4	7.855	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 00:05	LLJ
67-63-0	Isopropanol	21		ug/m ³	3.9	7.855	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 00:05	LLJ
80-62-6	Methyl Methacrylate	ND		ug/m ³	3.2	7.855	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 00:05	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	2.8	7.855	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 00:05	LLJ
75-09-2	Methylene chloride	ND		ug/m ³	5.5	7.855	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 00:05	LLJ
142-82-5	n-Heptane	ND		ug/m ³	3.2	7.855	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 00:05	LLJ
110-54-3	n-Hexane	200		ug/m ³	2.8	7.855	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 00:05	LLJ
95-47-6	o-Xylene	25		ug/m ³	3.4	7.855	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 00:05	LLJ
179601-23-1	p- & m- Xylenes	72		ug/m ³	6.8	7.855	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 00:05	LLJ
622-96-8	* p-Ethyltoluene	27		ug/m ³	3.9	7.855	EPA TO-15 Certifications:	10/15/2021 12:00	10/16/2021 00:05	LLJ
115-07-1	* Propylene	78		ug/m ³	1.4	7.855	EPA TO-15 Certifications:	10/15/2021 12:00	10/16/2021 00:05	LLJ
100-42-5	Styrene	ND		ug/m ³	3.3	7.855	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 00:05	LLJ
127-18-4	Tetrachloroethylene	ND		ug/m ³	5.3	7.855	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 00:05	LLJ
109-99-9	* Tetrahydrofuran	32		ug/m ³	4.6	7.855	EPA TO-15 Certifications:	10/15/2021 12:00	10/16/2021 00:05	LLJ
108-88-3	Toluene	52		ug/m ³	3.0	7.855	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 00:05	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	3.1	7.855	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 00:05	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	3.6	7.855	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 00:05	LLJ
79-01-6	Trichloroethylene	ND		ug/m ³	1.1	7.855	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 00:05	LLJ
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m ³	4.4	7.855	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 00:05	LLJ
108-05-4	Vinyl acetate	ND		ug/m ³	2.8	7.855	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 00:05	LLJ
593-60-2	Vinyl bromide	ND		ug/m ³	3.4	7.855	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 00:05	LLJ
75-01-4	Vinyl Chloride	ND		ug/m ³	1.0	7.855	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 00:05	LLJ



Sample Information

Client Sample ID: SV01_100921

York Sample ID: 21J0468-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21J0468

170695201

Soil Vapor

October 9, 2021 1:12 pm

10/09/2021



Sample Information

Client Sample ID: SV03_100921

York Sample ID: 21J0468-03

York Project (SDG) No.
21J0468

Client Project ID
170695201

Matrix
Soil Vapor

Collection Date/Time
October 9, 2021 1:11 pm

Date Received
10/09/2021

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	1.1	1.665	EPA TO-15 Certifications:	10/15/2021 12:00	10/16/2021 03:06	LLJ
71-55-6	1,1,1-Trichloroethane	1.8		ug/m ³	0.91	1.665	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 03:06	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	1.1	1.665	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 03:06	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	1.3	1.665	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 03:06	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.91	1.665	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 03:06	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.67	1.665	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 03:06	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.17	1.665	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 03:06	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	1.2	1.665	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 03:06	LLJ
95-63-6	1,2,4-Trimethylbenzene	23		ug/m ³	0.82	1.665	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 03:06	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/m ³	1.3	1.665	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 03:06	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	1.0	1.665	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 03:06	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.67	1.665	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 03:06	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.77	1.665	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 03:06	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	1.2	1.665	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 03:06	LLJ
108-67-8	1,3,5-Trimethylbenzene	6.8		ug/m ³	0.82	1.665	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 03:06	LLJ
106-99-0	1,3-Butadiene	ND		ug/m ³	1.1	1.665	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 03:06	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	1.0	1.665	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 03:06	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.77	1.665	EPA TO-15 Certifications:	10/15/2021 12:00	10/16/2021 03:06	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	1.0	1.665	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 03:06	LLJ
123-91-1	1,4-Dioxane	ND		ug/m ³	1.2	1.665	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 03:06	LLJ
78-93-3	2-Butanone	10		ug/m ³	0.49	1.665	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 03:06	LLJ
591-78-6	* 2-Hexanone	ND		ug/m ³	1.4	1.665	EPA TO-15 Certifications:	10/15/2021 12:00	10/16/2021 03:06	LLJ



Sample Information

Client Sample ID: SV03_100921

York Sample ID: 21J0468-03

York Project (SDG) No.
21J0468

Client Project ID
170695201

Matrix
Soil Vapor

Collection Date/Time
October 9, 2021 1:11 pm

Date Received
10/09/2021

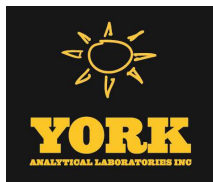
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m ³	2.6	1.665	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 03:06	LLJ
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.68	1.665	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 03:06	LLJ
67-64-1	Acetone	36		ug/m ³	0.79	1.665	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 03:06	LLJ
107-13-1	Acrylonitrile	ND		ug/m ³	0.36	1.665	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 03:06	LLJ
71-43-2	Benzene	2.9		ug/m ³	0.53	1.665	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 03:06	LLJ
100-44-7	Benzyl chloride	ND		ug/m ³	0.86	1.665	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 03:06	LLJ
75-27-4	Bromodichloromethane	ND		ug/m ³	1.1	1.665	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 03:06	LLJ
75-25-2	Bromoform	ND		ug/m ³	1.7	1.665	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 03:06	LLJ
74-83-9	Bromomethane	ND		ug/m ³	0.65	1.665	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 03:06	LLJ
75-15-0	Carbon disulfide	1.0		ug/m ³	0.52	1.665	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 03:06	LLJ
56-23-5	Carbon tetrachloride	ND		ug/m ³	0.26	1.665	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 03:06	LLJ
108-90-7	Chlorobenzene	ND		ug/m ³	0.77	1.665	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 03:06	LLJ
75-00-3	Chloroethane	ND		ug/m ³	0.44	1.665	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 03:06	LLJ
67-66-3	Chloroform	18		ug/m ³	0.81	1.665	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 03:06	LLJ
74-87-3	Chloromethane	ND		ug/m ³	0.34	1.665	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 03:06	LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.17	1.665	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 03:06	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.76	1.665	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 03:06	LLJ
110-82-7	Cyclohexane	1.9		ug/m ³	0.57	1.665	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 03:06	LLJ
124-48-1	Dibromochloromethane	ND		ug/m ³	1.4	1.665	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 03:06	LLJ
75-71-8	Dichlorodifluoromethane	2.1		ug/m ³	0.82	1.665	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 03:06	LLJ
141-78-6	* Ethyl acetate	ND		ug/m ³	1.2	1.665	EPA TO-15 Certifications:	10/15/2021 12:00	10/16/2021 03:06	LLJ
100-41-4	Ethyl Benzene	11		ug/m ³	0.72	1.665	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 03:06	LLJ



Sample Information

Client Sample ID: SV03_100921

York Sample ID: 21J0468-03

York Project (SDG) No.

21J0468

Client Project ID

170695201

Matrix

Soil Vapor

Collection Date/Time

October 9, 2021 1:11 pm

Date Received

10/09/2021

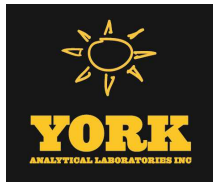
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.8	1.665	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 03:06	LLJ
67-63-0	Isopropanol	2.9		ug/m ³	0.82	1.665	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 03:06	LLJ
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.68	1.665	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 03:06	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.60	1.665	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 03:06	LLJ
75-09-2	Methylene chloride	ND		ug/m ³	1.2	1.665	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 03:06	LLJ
142-82-5	n-Heptane	4.4		ug/m ³	0.68	1.665	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 03:06	LLJ
110-54-3	n-Hexane	4.8		ug/m ³	0.59	1.665	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 03:06	LLJ
95-47-6	o-Xylene	15		ug/m ³	0.72	1.665	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 03:06	LLJ
179601-23-1	p- & m- Xylenes	40		ug/m ³	1.4	1.665	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 03:06	LLJ
622-96-8	* p-Ethyltoluene	21		ug/m ³	0.82	1.665	EPA TO-15 Certifications:	10/15/2021 12:00	10/16/2021 03:06	LLJ
115-07-1	* Propylene	ND		ug/m ³	0.29	1.665	EPA TO-15 Certifications:	10/15/2021 12:00	10/16/2021 03:06	LLJ
100-42-5	Styrene	1.7		ug/m ³	0.71	1.665	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 03:06	LLJ
127-18-4	Tetrachloroethylene	26		ug/m ³	1.1	1.665	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 03:06	LLJ
109-99-9	* Tetrahydrofuran	22		ug/m ³	0.98	1.665	EPA TO-15 Certifications:	10/15/2021 12:00	10/16/2021 03:06	LLJ
108-88-3	Toluene	35		ug/m ³	0.63	1.665	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 03:06	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.66	1.665	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 03:06	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.76	1.665	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 03:06	LLJ
79-01-6	Trichloroethylene	ND		ug/m ³	0.22	1.665	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 03:06	LLJ
75-69-4	Trichlorofluoromethane (Freon 11)	1.3		ug/m ³	0.94	1.665	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 03:06	LLJ
108-05-4	Vinyl acetate	ND		ug/m ³	0.59	1.665	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 03:06	LLJ
593-60-2	Vinyl bromide	ND		ug/m ³	0.73	1.665	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 03:06	LLJ
75-01-4	Vinyl Chloride	ND		ug/m ³	0.21	1.665	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 03:06	LLJ



Sample Information

Client Sample ID: SV03_100921

York Sample ID: 21J0468-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21J0468

170695201

Soil Vapor

October 9, 2021 1:11 pm

10/09/2021



Sample Information

Client Sample ID: AA01_100921

York Sample ID: 21J0468-04

York Project (SDG) No.

21J0468

Client Project ID

170695201

Matrix

Outdoor Ambient Air

Collection Date/Time

October 9, 2021 1:10 pm

Date Received

10/09/2021

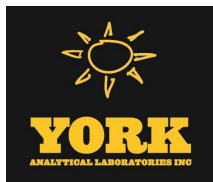
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	1.0	1.511	EPA TO-15 Certifications:	10/15/2021 12:00	10/16/2021 04:09	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.82	1.511	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 04:09	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	1.0	1.511	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 04:09	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	1.2	1.511	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 04:09	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.82	1.511	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 04:09	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.61	1.511	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 04:09	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.15	1.511	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 04:09	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	1.1	1.511	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 04:09	LLJ
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m ³	0.74	1.511	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 04:09	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/m ³	1.2	1.511	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 04:09	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.91	1.511	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 04:09	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.61	1.511	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 04:09	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.70	1.511	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 04:09	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	1.1	1.511	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 04:09	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.74	1.511	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 04:09	LLJ
106-99-0	1,3-Butadiene	ND		ug/m ³	1.0	1.511	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 04:09	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.91	1.511	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 04:09	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.70	1.511	EPA TO-15 Certifications:	10/15/2021 12:00	10/16/2021 04:09	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.91	1.511	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 04:09	LLJ
123-91-1	1,4-Dioxane	ND		ug/m ³	1.1	1.511	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 04:09	LLJ
78-93-3	2-Butanone	0.62		ug/m ³	0.45	1.511	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 04:09	LLJ
591-78-6	* 2-Hexanone	ND		ug/m ³	1.2	1.511	EPA TO-15 Certifications:	10/15/2021 12:00	10/16/2021 04:09	LLJ



Sample Information

Client Sample ID: AA01_100921

York Sample ID: 21J0468-04

York Project (SDG) No.

21J0468

Client Project ID

170695201

Matrix

Outdoor Ambient Air

Collection Date/Time

October 9, 2021 1:10 pm

Date Received

10/09/2021

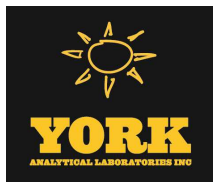
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m ³	2.4	1.511	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 04:09	LLJ
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.62	1.511	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 04:09	LLJ
67-64-1	Acetone	5.6		ug/m ³	0.72	1.511	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 04:09	LLJ
107-13-1	Acrylonitrile	ND		ug/m ³	0.33	1.511	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 04:09	LLJ
71-43-2	Benzene	ND		ug/m ³	0.48	1.511	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 04:09	LLJ
100-44-7	Benzyl chloride	ND		ug/m ³	0.78	1.511	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 04:09	LLJ
75-27-4	Bromodichloromethane	ND		ug/m ³	1.0	1.511	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 04:09	LLJ
75-25-2	Bromoform	ND		ug/m ³	1.6	1.511	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 04:09	LLJ
74-83-9	Bromomethane	ND		ug/m ³	0.59	1.511	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 04:09	LLJ
75-15-0	Carbon disulfide	ND		ug/m ³	0.47	1.511	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 04:09	LLJ
56-23-5	Carbon tetrachloride	0.38		ug/m ³	0.24	1.511	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 04:09	LLJ
108-90-7	Chlorobenzene	ND		ug/m ³	0.70	1.511	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 04:09	LLJ
75-00-3	Chloroethane	ND		ug/m ³	0.40	1.511	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 04:09	LLJ
67-66-3	Chloroform	ND		ug/m ³	0.74	1.511	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 04:09	LLJ
74-87-3	Chloromethane	1.3		ug/m ³	0.31	1.511	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 04:09	LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.15	1.511	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 04:09	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.69	1.511	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 04:09	LLJ
110-82-7	Cyclohexane	ND		ug/m ³	0.52	1.511	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 04:09	LLJ
124-48-1	Dibromochloromethane	ND		ug/m ³	1.3	1.511	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 04:09	LLJ
75-71-8	Dichlorodifluoromethane	2.1		ug/m ³	0.75	1.511	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 04:09	LLJ
141-78-6	* Ethyl acetate	ND		ug/m ³	1.1	1.511	EPA TO-15 Certifications:	10/15/2021 12:00	10/16/2021 04:09	LLJ
100-41-4	Ethyl Benzene	ND		ug/m ³	0.66	1.511	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 04:09	LLJ



Sample Information

Client Sample ID: AA01_100921

York Sample ID: 21J0468-04

York Project (SDG) No.

21J0468

Client Project ID

170695201

Matrix

Outdoor Ambient Air

Collection Date/Time

October 9, 2021 1:10 pm

Date Received

10/09/2021

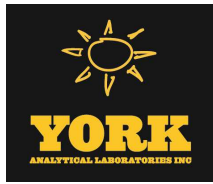
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.6	1.511	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 04:09	LLJ
67-63-0	Isopropanol	3.9		ug/m ³	0.74	1.511	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 04:09	LLJ
80-62-6	Methyl Methacrylate	1.7		ug/m ³	0.62	1.511	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 04:09	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.54	1.511	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 04:09	LLJ
75-09-2	Methylene chloride	5.5		ug/m ³	1.0	1.511	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 04:09	LLJ
142-82-5	n-Heptane	ND		ug/m ³	0.62	1.511	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 04:09	LLJ
110-54-3	n-Hexane	ND		ug/m ³	0.53	1.511	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 04:09	LLJ
95-47-6	o-Xylene	ND		ug/m ³	0.66	1.511	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 04:09	LLJ
179601-23-1	p- & m- Xylenes	ND		ug/m ³	1.3	1.511	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 04:09	LLJ
622-96-8	* p-Ethyltoluene	ND		ug/m ³	0.74	1.511	EPA TO-15 Certifications:	10/15/2021 12:00	10/16/2021 04:09	LLJ
115-07-1	* Propylene	ND		ug/m ³	0.26	1.511	EPA TO-15 Certifications:	10/15/2021 12:00	10/16/2021 04:09	LLJ
100-42-5	Styrene	ND		ug/m ³	0.64	1.511	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 04:09	LLJ
127-18-4	Tetrachloroethylene	ND		ug/m ³	1.0	1.511	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 04:09	LLJ
109-99-9	* Tetrahydrofuran	ND		ug/m ³	0.89	1.511	EPA TO-15 Certifications:	10/15/2021 12:00	10/16/2021 04:09	LLJ
108-88-3	Toluene	1.1		ug/m ³	0.57	1.511	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 04:09	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.60	1.511	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 04:09	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.69	1.511	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 04:09	LLJ
79-01-6	Trichloroethylene	ND		ug/m ³	0.20	1.511	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 04:09	LLJ
75-69-4	Trichlorofluoromethane (Freon 11)	1.1		ug/m ³	0.85	1.511	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 04:09	LLJ
108-05-4	Vinyl acetate	ND		ug/m ³	0.53	1.511	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 04:09	LLJ
593-60-2	Vinyl bromide	ND		ug/m ³	0.66	1.511	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 04:09	LLJ
75-01-4	Vinyl Chloride	ND		ug/m ³	0.19	1.511	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	10/15/2021 12:00	10/16/2021 04:09	LLJ



Sample Information

Client Sample ID: AA01_100921

York Sample ID: 21J0468-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21J0468

170695201

Outdoor Ambient Air

October 9, 2021 1:10 pm

10/09/2021



Analytical Batch Summary

Batch ID: BJ10928

Preparation Method: EPA TO15 PREP

Prepared By: AS

YORK Sample ID	Client Sample ID	Preparation Date
21J0468-01	SV02_100921	10/15/21
21J0468-02	SV01_100921	10/15/21
21J0468-03	SV03_100921	10/15/21
21J0468-04	AA01_100921	10/15/21
BJ10928-BLK1	Blank	10/15/21
BJ10928-BS1	LCS	10/15/21
BJ10928-DUP1	Duplicate	10/15/21



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

York Analytical Laboratories, Inc.

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

Batch BJ10928 - EPA TO15 PREP

Blank (BJ10928-BLK1)	Blank										Prepared & Analyzed: 10/15/2021
1,1,1,2-Tetrachloroethane	ND	0.69	ug/m ³								
1,1,1-Trichloroethane	ND	0.55	"								
1,1,2,2-Tetrachloroethane	ND	0.69	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.77	"								
1,1,2-Trichloroethane	ND	0.55	"								
1,1-Dichloroethane	ND	0.40	"								
1,1-Dichloroethylene	ND	0.099	"								
1,2,4-Trichlorobenzene	ND	0.74	"								
1,2,4-Trimethylbenzene	ND	0.49	"								
1,2-Dibromoethane	ND	0.77	"								
1,2-Dichlorobenzene	ND	0.60	"								
1,2-Dichloroethane	ND	0.40	"								
1,2-Dichloropropane	ND	0.46	"								
1,2-Dichlorotetrafluoroethane	ND	0.70	"								
1,3,5-Trimethylbenzene	ND	0.49	"								
1,3-Butadiene	ND	0.66	"								
1,3-Dichlorobenzene	ND	0.60	"								
1,3-Dichloropropane	ND	0.46	"								
1,4-Dichlorobenzene	ND	0.60	"								
1,4-Dioxane	ND	0.72	"								
2-Butanone	ND	0.29	"								
2-Hexanone	ND	0.82	"								
3-Chloropropene	ND	1.6	"								
4-Methyl-2-pentanone	ND	0.41	"								
Acetone	ND	0.48	"								
Acrylonitrile	ND	0.22	"								
Benzene	ND	0.32	"								
Benzyl chloride	ND	0.52	"								
Bromodichloromethane	ND	0.67	"								
Bromoform	ND	1.0	"								
Bromomethane	ND	0.39	"								
Carbon disulfide	ND	0.31	"								
Carbon tetrachloride	ND	0.16	"								
Chlorobenzene	ND	0.46	"								
Chloroethane	ND	0.26	"								
Chloroform	ND	0.49	"								
Chloromethane	ND	0.21	"								
cis-1,2-Dichloroethylene	ND	0.099	"								
cis-1,3-Dichloropropylene	ND	0.45	"								
Cyclohexane	ND	0.34	"								
Dibromochloromethane	ND	0.85	"								
Dichlorodifluoromethane	ND	0.49	"								
Ethyl acetate	ND	0.72	"								
Ethyl Benzene	ND	0.43	"								
Hexachlorobutadiene	ND	1.1	"								
Isopropanol	ND	0.49	"								
Methyl Methacrylate	ND	0.41	"								
Methyl tert-butyl ether (MTBE)	ND	0.36	"								
Methylene chloride	ND	0.69	"								
n-Heptane	ND	0.41	"								



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

York Analytical Laboratories, Inc.

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

Batch BJ10928 - EPA TO15 PREP

Blank (BJ10928-BLK1)	Blank										Prepared & Analyzed: 10/15/2021
n-Hexane	ND	0.35	ug/m ³								
o-Xylene	ND	0.43	"								
p- & m- Xylenes	ND	0.87	"								
p-Ethyltoluene	ND	0.49	"								
Propylene	ND	0.17	"								
Styrene	ND	0.43	"								
Tetrachloroethylene	ND	0.68	"								
Tetrahydrofuran	ND	0.59	"								
Toluene	ND	0.38	"								
trans-1,2-Dichloroethylene	ND	0.40	"								
trans-1,3-Dichloropropylene	ND	0.45	"								
Trichloroethylene	ND	0.13	"								
Trichlorofluoromethane (Freon 11)	ND	0.56	"								
Vinyl acetate	ND	0.35	"								
Vinyl bromide	ND	0.44	"								
Vinyl Chloride	ND	0.13	"								

LCS (BJ10928-BS1)	LCS										Prepared & Analyzed: 10/15/2021
1,1,1,2-Tetrachloroethane	9.93		ppbv	10.0		99.3	70-130				
1,1,1-Trichloroethane	9.41		"	10.0		94.1	70-130				
1,1,2,2-Tetrachloroethane	9.80		"	10.0		98.0	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.06		"	10.0		90.6	70-130				
1,1,2-Trichloroethane	10.2		"	10.0		102	70-130				
1,1-Dichloroethane	9.15		"	10.0		91.5	70-130				
1,1-Dichloroethylene	9.16		"	10.0		91.6	70-130				
1,2,4-Trichlorobenzene	10.2		"	10.0		102	70-130				
1,2,4-Trimethylbenzene	10.5		"	10.0		105	70-130				
1,2-Dibromoethane	10.2		"	10.0		102	70-130				
1,2-Dichlorobenzene	9.72		"	10.0		97.2	70-130				
1,2-Dichloroethane	9.37		"	10.0		93.7	70-130				
1,2-Dichloropropane	10.5		"	10.0		105	70-130				
1,2-Dichlorotetrafluoroethane	10.9		"	10.0		109	70-130				
1,3,5-Trimethylbenzene	10.3		"	10.0		103	70-130				
1,3-Butadiene	12.1		"	10.0		121	70-130				
1,3-Dichlorobenzene	10.4		"	10.0		104	70-130				
1,3-Dichloropropane	10.1		"	10.0		101	70-130				
1,4-Dichlorobenzene	10.7		"	10.0		107	70-130				
1,4-Dioxane	8.76		"	10.0		87.6	70-130				
2-Butanone	9.73		"	10.0		97.3	70-130				
2-Hexanone	10.4		"	10.0		104	70-130				
3-Chloropropene	10.3		"	10.0		103	70-130				
4-Methyl-2-pentanone	10.4		"	10.0		104	70-130				
Acetone	8.17		"	10.0		81.7	70-130				
Acrylonitrile	9.66		"	10.0		96.6	70-130				
Benzene	9.48		"	10.0		94.8	70-130				
Benzyl chloride	8.37		"	10.0		83.7	70-130				
Bromodichloromethane	10.2		"	10.0		102	70-130				
Bromoform	10.4		"	10.0		104	70-130				
Bromomethane	9.02		"	10.0		90.2	70-130				
Carbon disulfide	9.00		"	10.0		90.0	70-130				
Carbon tetrachloride	8.89		"	10.0		88.9	70-130				



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

York Analytical Laboratories, Inc.

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

Batch BJ10928 - EPA TO15 PREP

LCS (BJ10928-BS1)	LCS	Prepared & Analyzed: 10/15/2021									
Chlorobenzene	9.77		ppbv	10.0		97.7	70-130				
Chloroethane	9.12		"	10.0		91.2	70-130				
Chloroform	9.16		"	10.0		91.6	70-130				
Chloromethane	12.0		"	10.0		120	70-130				
cis-1,2-Dichloroethylene	8.85		"	10.0		88.5	70-130				
cis-1,3-Dichloropropylene	10.9		"	10.0		109	70-130				
Cyclohexane	10.3		"	10.0		103	70-130				
Dibromochloromethane	10.3		"	10.0		103	70-130				
Dichlorodifluoromethane	8.97		"	10.0		89.7	70-130				
Ethyl acetate	9.12		"	10.0		91.2	70-130				
Ethyl Benzene	10.4		"	10.0		104	70-130				
Hexachlorobutadiene	8.39		"	10.0		83.9	70-130				
Isopropanol	8.44		"	10.0		84.4	70-130				
Methyl Methacrylate	10.2		"	10.0		102	70-130				
Methyl tert-butyl ether (MTBE)	10.2		"	10.0		102	70-130				
Methylene chloride	9.78		"	10.0		97.8	70-130				
n-Heptane	10.8		"	10.0		108	70-130				
n-Hexane	9.93		"	10.0		99.3	70-130				
o-Xylene	10.6		"	10.0		106	70-130				
p- & m- Xylenes	21.4		"	20.0		107	70-130				
p-Ethyltoluene	10.8		"	10.0		108	70-130				
Propylene	9.21		"	10.0		92.1	70-130				
Styrene	11.2		"	10.0		112	70-130				
Tetrachloroethylene	9.45		"	10.0		94.5	70-130				
Tetrahydrofuran	10.1		"	10.0		101	70-130				
Toluene	10.1		"	10.0		101	70-130				
trans-1,2-Dichloroethylene	9.43		"	10.0		94.3	70-130				
trans-1,3-Dichloropropylene	10.7		"	10.0		107	70-130				
Trichloroethylene	9.41		"	10.0		94.1	70-130				
Trichlorofluoromethane (Freon 11)	9.04		"	10.0		90.4	70-130				
Vinyl acetate	8.99		"	10.0		89.9	70-130				
Vinyl bromide	9.40		"	10.0		94.0	70-130				
Vinyl Chloride	10.9		"	10.0		109	70-130				



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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ10928 - EPA TO15 PREP											
Duplicate (BJ10928-DUP1)	Duplicate	*Source sample: 21J0468-04 (AA01_100921)						Prepared: 10/15/2021 Analyzed: 10/16/2021			
1,1,1,2-Tetrachloroethane	ND	1.0	ug/m ³		ND					25	
1,1,1-Trichloroethane	ND	0.82	"		ND					25	
1,1,2,2-Tetrachloroethane	ND	1.0	"		ND					25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.2	"		ND					25	
1,1,2-Trichloroethane	ND	0.82	"		ND					25	
1,1-Dichloroethane	ND	0.61	"		ND					25	
1,1-Dichloroethylene	ND	0.15	"		ND					25	
1,2,4-Trichlorobenzene	ND	1.1	"		ND					25	
1,2,4-Trimethylbenzene	ND	0.74	"		ND					25	
1,2-Dibromoethane	ND	1.2	"		ND					25	
1,2-Dichlorobenzene	ND	0.91	"		ND					25	
1,2-Dichloroethane	ND	0.61	"		ND					25	
1,2-Dichloropropane	ND	0.70	"		ND					25	
1,2-Dichlorotetrafluoroethane	ND	1.1	"		ND					25	
1,3,5-Trimethylbenzene	ND	0.74	"		ND					25	
1,3-Butadiene	ND	1.0	"		ND					25	
1,3-Dichlorobenzene	ND	0.91	"		ND					25	
1,3-Dichloropropane	ND	0.70	"		ND					25	
1,4-Dichlorobenzene	ND	0.91	"		ND					25	
1,4-Dioxane	ND	1.1	"		ND					25	
2-Butanone	0.67	0.45	"		0.62				6.90	25	
2-Hexanone	ND	1.2	"		ND					25	
3-Chloropropene	ND	2.4	"		ND					25	
4-Methyl-2-pentanone	ND	0.62	"		ND					25	
Acetone	5.7	0.72	"		5.6				0.635	25	
Acrylonitrile	ND	0.33	"		ND					25	
Benzene	ND	0.48	"		ND					25	
Benzyl chloride	ND	0.78	"		ND					25	
Bromodichloromethane	ND	1.0	"		ND					25	
Bromoform	ND	1.6	"		ND					25	
Bromomethane	ND	0.59	"		ND					25	
Carbon disulfide	ND	0.47	"		ND					25	
Carbon tetrachloride	0.38	0.24	"		0.38				0.00	25	
Chlorobenzene	ND	0.70	"		ND					25	
Chloroethane	ND	0.40	"		ND					25	
Chloroform	ND	0.74	"		ND					25	
Chloromethane	1.4	0.31	"		1.3				4.55	25	
cis-1,2-Dichloroethylene	ND	0.15	"		ND					25	
cis-1,3-Dichloropropylene	ND	0.69	"		ND					25	
Cyclohexane	ND	0.52	"		ND					25	
Dibromochloromethane	ND	1.3	"		ND					25	
Dichlorodifluoromethane	2.2	0.75	"		2.1				3.51	25	
Ethyl acetate	0.49	1.1	"		0.49				0.00	25	
Ethyl Benzene	ND	0.66	"		ND					25	
Hexachlorobutadiene	ND	1.6	"		ND					25	
Isopropanol	3.8	0.74	"		3.9				1.94	25	
Methyl Methacrylate	1.7	0.62	"		1.7				3.64	25	
Methyl tert-butyl ether (MTBE)	ND	0.54	"		ND					25	
Methylene chloride	5.6	1.0	"		5.5				1.89	25	
n-Heptane	ND	0.62	"		ND					25	
n-Hexane	ND	0.53	"		ND					25	



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

York Analytical Laboratories, Inc.

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

Batch BJ10928 - EPA TO15 PREP

Duplicate (BJ10928-DUP1)	Duplicate	*Source sample: 21J0468-04 (AA01_100921)				Prepared: 10/15/2021 Analyzed: 10/16/2021					
o-Xylene		0.26	0.66	ug/m ³	0.26				0.00	25	
p- & m- Xylenes		ND	1.3	"	ND					25	
p-Ethyltoluene		ND	0.74	"	ND					25	
Propylene		ND	0.26	"	ND					25	
Styrene		ND	0.64	"	ND					25	
Tetrachloroethylene		ND	1.0	"	ND					25	
Tetrahydrofuran		ND	0.89	"	ND					25	
Toluene		1.1	0.57	"	1.1				0.00	25	
trans-1,2-Dichloroethylene		ND	0.60	"	ND					25	
trans-1,3-Dichloropropylene		ND	0.69	"	ND					25	
Trichloroethylene		ND	0.20	"	ND					25	
Trichlorofluoromethane (Freon 11)		1.1	0.85	"	1.1				0.00	25	
Vinyl acetate		ND	0.53	"	ND					25	
Vinyl bromide		ND	0.66	"	ND					25	
Vinyl Chloride		ND	0.19	"	ND					25	





Sample and Data Qualifiers Relating to This Work Order

TO-VAC The final vacuum in the canister was less than -2 inches Hg vacuum. The time integrated sampling may be affected and not reflect proper sampling over the time period. The data user should take note.

Definitions and Other Explanations

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

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

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

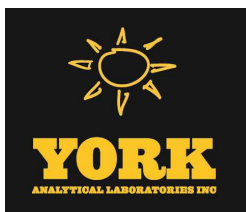
2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

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

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





Technical Report

prepared for:

Langan Engineering & Environmental Services (NYC)

21 Penn Plaza, 360 West 31st Street

New York NY, 10001

Attention: Woo-Jun Kim

Report Date: 10/20/2021

Client Project ID: 170695201

York Project (SDG) No.: 21J0482



CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037

New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

Report Date: 10/20/2021
Client Project ID: 170695201
York Project (SDG) No.: 21J0482

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Woo-Jun Kim

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 October 11, 2021 and listed below. The project was identified as your project: **170695201**.

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>
21J0482-01	TMW03_101121	Water	10/11/2021	10/11/2021
21J0482-02	TMW02_101121	Water	10/11/2021	10/11/2021
21J0482-03	TMW01_101121	Water	10/11/2021	10/11/2021

General Notes for York Project (SDG) No.: 21J0482

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

Approved By



Cassie L. Mosher
Laboratory Manager

Date: 10/20/2021





Sample Information

Client Sample ID: TMW03_101121

York Sample ID: 21J0482-01

York Project (SDG) No.

21J0482

Client Project ID

170695201

Matrix

Water

Collection Date/Time

October 11, 2021 8:25 am

Date Received

10/11/2021

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	10/12/2021 06:36	10/12/2021 17:37	JTG
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	10/12/2021 06:36	10/12/2021 17:37	JTG
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	10/12/2021 06:36	10/12/2021 17:37	JTG
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	10/12/2021 06:36	10/12/2021 17:37	JTG
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	10/12/2021 06:36	10/12/2021 17:37	JTG
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 17:37	JTG
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 17:37	JTG
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 17:37	JTG
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 17:37	JTG
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 17:37	JTG
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	10/12/2021 06:36	10/12/2021 17:37	JTG
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	10/12/2021 06:36	10/12/2021 17:37	JTG
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 17:37	JTG
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 17:37	JTG
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 17:37	JTG
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 17:37	JTG
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	10/12/2021 06:36	10/12/2021 17:37	JTG
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 17:37	JTG
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 17:37	JTG
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 17:37	JTG
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 17:37	JTG



Sample Information

Client Sample ID: TMW03_101121

York Sample ID: 21J0482-01

York Project (SDG) No.
21J0482

Client Project ID
170695201

Matrix
Water

Collection Date/Time
October 11, 2021 8:25 am

Date Received
10/11/2021

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
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 17:37	JTG
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	10/12/2021 06:36	10/12/2021 17:37	JTG
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 17:37	JTG
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 17:37	JTG
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 17:37	JTG
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 17:37	JTG
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 17:37	JTG
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 17:37	JTG
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 17:37	JTG
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 17:37	JTG
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 17:37	JTG
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 17:37	JTG
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 17:37	JTG
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 17:37	JTG
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 17:37	JTG
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 17:37	JTG
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	10/12/2021 06:36	10/12/2021 17:37	JTG
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	10/12/2021 06:36	10/12/2021 17:37	JTG
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 17:37	JTG
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 17:37	JTG
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 17:37	JTG
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 17:37	JTG



Sample Information

Client Sample ID: TMW03_101121

York Sample ID: 21J0482-01

York Project (SDG) No.

21J0482

Client Project ID

170695201

Matrix

Water

Collection Date/Time

October 11, 2021 8:25 am

Date Received

10/11/2021

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
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 17:37	JTG
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 17:37	JTG
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 17:37	JTG
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 17:37	JTG
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	10/12/2021 06:36	10/12/2021 17:37	JTG
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 17:37	JTG
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 17:37	JTG
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 17:37	JTG
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 17:37	JTG
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 17:37	JTG
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 17:37	JTG
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 17:37	JTG
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 17:37	JTG
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 17:37	JTG
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 17:37	JTG
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 17:37	JTG
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 17:37	JTG
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 17:37	JTG
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	10/12/2021 06:36	10/12/2021 17:37	JTG
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	10/12/2021 06:36	10/12/2021 17:37	JTG
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	10/12/2021 06:36	10/12/2021 17:37	JTG
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 17:37	JTG



Sample Information

Client Sample ID: TMW03_101121

York Sample ID: 21J0482-01

York Project (SDG) No.

21J0482

Client Project ID

170695201

Matrix

Water

Collection Date/Time

October 11, 2021 8:25 am

Date Received

10/11/2021

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
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 17:37	JTG
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 17:37	JTG
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	10/12/2021 06:36	10/12/2021 17:37	JTG
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	106 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	103 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	95.5 %	79-122								

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:22	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:22	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:22	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	10/15/2021 07:39	10/19/2021 17:22	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:22	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	10/15/2021 07:39	10/19/2021 17:22	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	10/15/2021 07:39	10/19/2021 17:22	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:22	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:22	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:22	KH
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:22	KH
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:22	KH
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:22	KH



Sample Information

Client Sample ID: TMW03_101121

York Sample ID: 21J0482-01

York Project (SDG) No.
21J0482

Client Project ID
170695201

Matrix
Water

Collection Date/Time
October 11, 2021 8:25 am

Date Received
10/11/2021

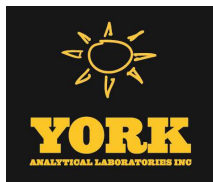
Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:22	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:22	KH
91-58-7	2-Chloronaphthalene	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:22	KH
95-57-8	2-Chlorophenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:22	KH
91-57-6	2-Methylnaphthalene	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:22	KH
95-48-7	2-Methylphenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:22	KH
88-74-4	2-Nitroaniline	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:22	KH
88-75-5	2-Nitrophenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:22	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:22	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:22	KH
99-09-2	3-Nitroaniline	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:22	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:22	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:22	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:22	KH
106-47-8	4-Chloroaniline	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:22	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:22	KH
100-01-6	4-Nitroaniline	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:22	KH
100-02-7	4-Nitrophenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:22	KH
83-32-9	Acenaphthene	ND		ug/L	0.0571	0.0571	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/18/2021 17:14	KH
208-96-8	Acenaphthylene	ND		ug/L	0.0571	0.0571	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/18/2021 17:14	KH
98-86-2	Acetophenone	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:22	KH
62-53-3	Aniline	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:22	KH



Sample Information

Client Sample ID: TMW03_101121

York Sample ID: 21J0482-01

York Project (SDG) No.

21J0482

Client Project ID

170695201

Matrix

Water

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October 11, 2021 8:25 am

Date Received

10/11/2021

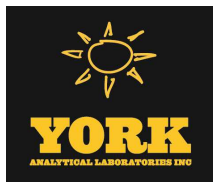
Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-12-7	Anthracene	0.0686		ug/L	0.0571	0.0571	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/18/2021 17:14	KH
1912-24-9	Atrazine	ND		ug/L	0.571	0.571	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/18/2021 17:14	KH
100-52-7	Benzaldehyde	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:22	KH
92-87-5	Benzidine	ND		ug/L	11.4	22.9	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:22	KH
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0571	0.0571	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/18/2021 17:14	KH
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0571	0.0571	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/18/2021 17:14	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0571	0.0571	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/18/2021 17:14	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0571	0.0571	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/18/2021 17:14	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0571	0.0571	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/18/2021 17:14	KH
65-85-0	Benzoic acid	ND		ug/L	28.6	57.1	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:22	KH
100-51-6	Benzyl alcohol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:22	KH
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:22	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:22	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:22	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:22	KH
117-81-7	Bis(2-ethylhexyl)phthalate	0.571	B	ug/L	0.571	0.571	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/18/2021 17:14	KH
105-60-2	Caprolactam	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:22	KH
86-74-8	Carbazole	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:22	KH
218-01-9	Chrysene	ND		ug/L	0.0571	0.0571	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/18/2021 17:14	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0571	0.0571	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/18/2021 17:14	KH
132-64-9	Dibenzofuran	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:22	KH
84-66-2	Diethyl phthalate	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:22	KH



Sample Information

Client Sample ID: TMW03_101121

York Sample ID: 21J0482-01

York Project (SDG) No.

21J0482

Client Project ID

170695201

Matrix

Water

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October 11, 2021 8:25 am

Date Received

10/11/2021

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
131-11-3	Dimethyl phthalate	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:22	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:22	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:22	KH
122-39-4	* Diphenylamine	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications:	10/15/2021 07:39	10/19/2021 17:22	KH
206-44-0	Fluoranthene	0.103		ug/L	0.0571	0.0571	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/18/2021 17:14	KH
86-73-7	Fluorene	ND		ug/L	0.0571	0.0571	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/18/2021 17:14	KH
118-74-1	Hexachlorobenzene	ND		ug/L	0.0229	0.0229	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/18/2021 17:14	KH
87-68-3	Hexachlorobutadiene	ND		ug/L	0.571	0.571	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/18/2021 17:14	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:22	KH
67-72-1	Hexachloroethane	ND		ug/L	0.571	0.571	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/18/2021 17:14	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0571	0.0571	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/18/2021 17:14	KH
78-59-1	Isophorone	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:22	KH
91-20-3	Naphthalene	0.263		ug/L	0.0571	0.0571	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:22	KH
98-95-3	Nitrobenzene	ND		ug/L	0.286	0.286	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/18/2021 17:14	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.571	0.571	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/18/2021 17:14	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:22	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:22	KH
87-86-5	Pentachlorophenol	ND		ug/L	0.286	0.286	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/18/2021 17:14	KH
85-01-8	Phenanthrene	0.137		ug/L	0.0571	0.0571	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/18/2021 17:14	KH
108-95-2	Phenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:22	KH
129-00-0	Pyrene	0.0914		ug/L	0.0571	0.0571	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/18/2021 17:14	KH
Surrogate Recoveries		Result	Acceptance Range								



Sample Information

Client Sample ID: TMW03_101121

York Sample ID: 21J0482-01

York Project (SDG) No.
21J0482

Client Project ID
170695201

Matrix
Water

Collection Date/Time
October 11, 2021 8:25 am

Date Received
10/11/2021

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
367-12-4	Surrogate: SURR: 2-Fluorophenol	37.0 %			19.7-63.1						
4165-62-2	Surrogate: SURR: Phenol-d5	22.3 %			10.1-41.7						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	76.9 %			50.2-113						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	75.7 %			39.9-105						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	154 %			39.3-151						
1718-51-0	Surrogate: SURR: Terphenyl-d14	96.7 %			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	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 13:35	10/18/2021 20:41	CM
72-55-9	4,4'-DDE	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 13:35	10/18/2021 20:41	CM
50-29-3	4,4'-DDT	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 13:35	10/18/2021 20:41	CM
309-00-2	Aldrin	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 13:35	10/18/2021 20:41	CM
319-84-6	alpha-BHC	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 13:35	10/18/2021 20:41	CM
5103-71-9	alpha-Chlordane	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 13:35	10/18/2021 20:41	CM
319-85-7	beta-BHC	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 13:35	10/18/2021 20:41	CM
57-74-9	Chlordane, total	ND		ug/L	0.0200	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 13:35	10/18/2021 20:41	CM
319-86-8	delta-BHC	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 13:35	10/18/2021 20:41	CM
60-57-1	Dieldrin	ND		ug/L	0.00200	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 13:35	10/18/2021 20:41	CM
959-98-8	Endosulfan I	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 13:35	10/18/2021 20:41	CM
33213-65-9	Endosulfan II	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 13:35	10/18/2021 20:41	CM
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 13:35	10/18/2021 20:41	CM
72-20-8	Endrin	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 13:35	10/18/2021 20:41	CM
7421-93-4	Endrin aldehyde	ND		ug/L	0.0100	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 13:35	10/18/2021 20:41	CM
53494-70-5	Endrin ketone	ND		ug/L	0.0100	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 13:35	10/18/2021 20:41	CM



Sample Information

Client Sample ID: TMW03_101121

York Sample ID: 21J0482-01

York Project (SDG) No.
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170695201

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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
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 13:35	10/18/2021 20:41	CM
5566-34-7	gamma-Chlordane	ND		ug/L	0.0100	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 13:35	10/18/2021 20:41	CM
76-44-8	Heptachlor	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 13:35	10/18/2021 20:41	CM
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 13:35	10/18/2021 20:41	CM
72-43-5	Methoxychlor	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 13:35	10/18/2021 20:41	CM
8001-35-2	Toxaphene	ND		ug/L	0.100	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 13:35	10/18/2021 20:41	CM
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	66.5 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	99.2 %	30-150							

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

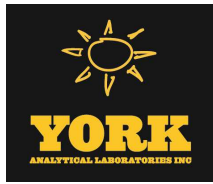
Sample Prepared by Method: EPA SW846-3510C Low Level

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	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/14/2021 13:35	10/15/2021 23:52	BJ
11104-28-2	Aroclor 1221	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/14/2021 13:35	10/15/2021 23:52	BJ
11141-16-5	Aroclor 1232	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/14/2021 13:35	10/15/2021 23:52	BJ
53469-21-9	Aroclor 1242	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/14/2021 13:35	10/15/2021 23:52	BJ
12672-29-6	Aroclor 1248	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/14/2021 13:35	10/15/2021 23:52	BJ
11097-69-1	Aroclor 1254	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/14/2021 13:35	10/15/2021 23:52	BJ
11096-82-5	Aroclor 1260	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/14/2021 13:35	10/15/2021 23:52	BJ
1336-36-3	* Total PCBs	ND		ug/L	0.0500	1	EPA 8082A Certifications:	10/14/2021 13:35	10/15/2021 23:52	BJ
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	101 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	65.5 %	30-120							

Metals, Target Analyte, ICP

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: TMW03_101121

York Sample ID: 21J0482-01

York Project (SDG) No.

21J0482

Client Project ID

170695201

Matrix

Water

Collection Date/Time

October 11, 2021 8:25 am

Date Received

10/11/2021

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	ND		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 09:36	10/14/2021 17:45	EM
7440-39-3	Barium	0.0844		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 09:36	10/14/2021 17:45	EM
7440-70-2	Calcium	58.8	B	mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 09:36	10/14/2021 17:45	EM
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 09:36	10/14/2021 17:45	EM
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 09:36	10/14/2021 17:45	EM
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 09:36	10/14/2021 17:45	EM
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 09:36	10/14/2021 17:45	EM
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 09:36	10/14/2021 17:45	EM
7439-95-4	Magnesium	29.3		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 09:36	10/14/2021 17:45	EM
7439-96-5	Manganese	1.20		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 09:36	10/14/2021 17:45	EM
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 09:36	10/14/2021 17:45	EM
7440-09-7	Potassium	15.8		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 09:36	10/14/2021 17:45	EM
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 09:36	10/14/2021 17:45	EM
7440-23-5	Sodium	176		mg/L	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 09:36	10/14/2021 17:45	EM
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 09:36	10/14/2021 17:45	EM
7440-66-6	Zinc	0.0296		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 09:36	10/14/2021 17:45	EM

Metals, Target Analyte, ICP 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	0.0789		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/18/2021 09:02	10/18/2021 13:59	EM
7440-39-3	Barium	0.0820		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/18/2021 09:02	10/18/2021 13:59	EM
7440-70-2	Calcium	61.5		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/18/2021 09:02	10/18/2021 13:59	EM
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/18/2021 09:02	10/18/2021 13:59	EM



Sample Information

Client Sample ID: TMW03_101121

York Sample ID: 21J0482-01

York Project (SDG) No.
21J0482

Client Project ID
170695201

Matrix
Water

Collection Date/Time
October 11, 2021 8:25 am

Date Received
10/11/2021

Metals, Target Analyte, ICP 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
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/18/2021 09:02	10/18/2021 13:59	EM
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/18/2021 09:02	10/18/2021 13:59	EM
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/18/2021 09:02	10/18/2021 13:59	EM
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/18/2021 09:02	10/18/2021 13:59	EM
7439-95-4	Magnesium	32.3		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/18/2021 09:02	10/18/2021 13:59	EM
7439-96-5	Manganese	1.14		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/18/2021 09:02	10/18/2021 13:59	EM
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/18/2021 09:02	10/18/2021 13:59	EM
7440-09-7	Potassium	16.8		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/18/2021 09:02	10/18/2021 13:59	EM
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/18/2021 09:02	10/18/2021 13:59	EM
7440-23-5	Sodium	183		mg/L	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/18/2021 09:02	10/18/2021 13:59	EM
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/18/2021 09:02	10/18/2021 13:59	EM
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/18/2021 09:02	10/18/2021 13:59	EM

Metals, Target Analyte, ICPMS

Log-in Notes:

Sample Notes:

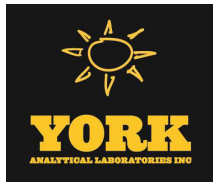
Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 10:04	10/15/2021 19:32	BML
7440-38-2	Arsenic	0.00155		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 10:04	10/15/2021 19:32	BML
7440-41-7	Beryllium	ND		mg/L	0.000333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 10:04	10/15/2021 19:32	BML
7440-43-9	Cadmium	ND		mg/L	0.000556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 10:04	10/15/2021 19:32	BML
7782-49-2	Selenium	0.00316		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 10:04	10/15/2021 19:32	BML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 10:04	10/15/2021 19:32	BML

Metals, Target Analyte, ICPMS Dissolved

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: TMW03_101121

York Sample ID: 21J0482-01

York Project (SDG) No.

21J0482

Client Project ID

170695201

Matrix

Water

Collection Date/Time

October 11, 2021 8:25 am

Date Received

10/11/2021

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
7440-36-0	Antimony	0.00124		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/18/2021 09:06	10/18/2021 16:02	BML
7440-38-2	Arsenic	0.00161		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/18/2021 09:06	10/18/2021 16:02	BML
7440-41-7	Beryllium	ND		mg/L	0.000333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/18/2021 09:06	10/18/2021 16:02	BML
7440-43-9	Cadmium	ND		mg/L	0.000556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/18/2021 09:06	10/18/2021 16:02	BML
7782-49-2	Selenium	0.00231		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/18/2021 09:06	10/18/2021 16:02	BML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/18/2021 09:06	10/18/2021 16:02	BML

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	1	EPA 7470 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/11/2021 20:45	10/11/2021 20:45	AA

Mercury, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	1	EPA 7470 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/11/2021 20:48	10/11/2021 20:48	AA

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/L	0.0100	1	EPA 7196A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/11/2021 22:21	10/11/2021 23:23	MAO

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	ND		mg/L	0.0100	1	Calculation Certifications:	10/18/2021 13:17	10/18/2021 13:23	PAM



Sample Information

Client Sample ID: TMW02_101121

York Sample ID: 21J0482-02

York Project (SDG) No.

21J0482

Client Project ID

170695201

Matrix

Water

Collection Date/Time

October 11, 2021 9:55 am

Date Received

10/11/2021

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	10/12/2021 06:36	10/12/2021 18:03	JTG
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	10/12/2021 06:36	10/12/2021 18:03	JTG
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	10/12/2021 06:36	10/12/2021 18:03	JTG
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	10/12/2021 06:36	10/12/2021 18:03	JTG
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	10/12/2021 06:36	10/12/2021 18:03	JTG
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 18:03	JTG
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 18:03	JTG
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 18:03	JTG
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 18:03	JTG
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 18:03	JTG
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	10/12/2021 06:36	10/12/2021 18:03	JTG
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	10/12/2021 06:36	10/12/2021 18:03	JTG
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 18:03	JTG
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 18:03	JTG
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 18:03	JTG
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 18:03	JTG
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	10/12/2021 06:36	10/12/2021 18:03	JTG
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 18:03	JTG
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 18:03	JTG
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 18:03	JTG
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 18:03	JTG



Sample Information

Client Sample ID: TMW02_101121

York Sample ID: 21J0482-02

York Project (SDG) No.
21J0482

Client Project ID
170695201

Matrix
Water

Collection Date/Time
October 11, 2021 9:55 am

Date Received
10/11/2021

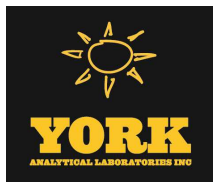
Volatile Organics, 8260 - Comprehensive

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
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 18:03	JTG
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	10/12/2021 06:36	10/12/2021 18:03	JTG
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 18:03	JTG
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 18:03	JTG
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 18:03	JTG
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 18:03	JTG
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 18:03	JTG
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 18:03	JTG
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 18:03	JTG
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 18:03	JTG
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 18:03	JTG
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 18:03	JTG
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 18:03	JTG
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 18:03	JTG
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 18:03	JTG
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 18:03	JTG
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	10/12/2021 06:36	10/12/2021 18:03	JTG
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	10/12/2021 06:36	10/12/2021 18:03	JTG
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 18:03	JTG
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 18:03	JTG
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 18:03	JTG
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 18:03	JTG



Sample Information

Client Sample ID: TMW02_101121

York Sample ID: 21J0482-02

York Project (SDG) No.

21J0482

Client Project ID

170695201

Matrix

Water

Collection Date/Time

October 11, 2021 9:55 am

Date Received

10/11/2021

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
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 18:03	JTG
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 18:03	JTG
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 18:03	JTG
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 18:03	JTG
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	10/12/2021 06:36	10/12/2021 18:03	JTG
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 18:03	JTG
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 18:03	JTG
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 18:03	JTG
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 18:03	JTG
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 18:03	JTG
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 18:03	JTG
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 18:03	JTG
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 18:03	JTG
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 18:03	JTG
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 18:03	JTG
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 18:03	JTG
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 18:03	JTG
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 18:03	JTG
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	10/12/2021 06:36	10/12/2021 18:03	JTG
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	10/12/2021 06:36	10/12/2021 18:03	JTG
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	10/12/2021 06:36	10/12/2021 18:03	JTG
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 18:03	JTG



Sample Information

Client Sample ID: TMW02_101121

York Sample ID: 21J0482-02

York Project (SDG) No.

21J0482

Client Project ID

170695201

Matrix

Water

Collection Date/Time

October 11, 2021 9:55 am

Date Received

10/11/2021

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
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 18:03	JTG
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/12/2021 06:36	10/12/2021 18:03	JTG
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	10/12/2021 06:36	10/12/2021 18:03	JTG
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	108 %			69-130						
2037-26-5	Surrogate: SURR: Toluene-d8	102 %			81-117						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	96.2 %			79-122						

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:52	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:52	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:52	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	10/15/2021 07:39	10/19/2021 17:52	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:52	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	10/15/2021 07:39	10/19/2021 17:52	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	10/15/2021 07:39	10/19/2021 17:52	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:52	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:52	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:52	KH
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:52	KH
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:52	KH
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:52	KH



Sample Information

Client Sample ID: TMW02_101121

York Sample ID: 21J0482-02

York Project (SDG) No.

21J0482

Client Project ID

170695201

Matrix

Water

Collection Date/Time

October 11, 2021 9:55 am

Date Received

10/11/2021

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:52	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:52	KH
91-58-7	2-Chloronaphthalene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:52	KH
95-57-8	2-Chlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:52	KH
91-57-6	2-Methylnaphthalene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:52	KH
95-48-7	2-Methylphenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:52	KH
88-74-4	2-Nitroaniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:52	KH
88-75-5	2-Nitrophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:52	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:52	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:52	KH
99-09-2	3-Nitroaniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:52	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:52	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:52	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:52	KH
106-47-8	4-Chloroaniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:52	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:52	KH
100-01-6	4-Nitroaniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:52	KH
100-02-7	4-Nitrophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:52	KH
83-32-9	Acenaphthene	0.259		ug/L	0.0541	0.0541	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/18/2021 17:47	KH
208-96-8	Acenaphthylene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/18/2021 17:47	KH
98-86-2	Acetophenone	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:52	KH
62-53-3	Aniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:52	KH



Sample Information

Client Sample ID: TMW02_101121

York Sample ID: 21J0482-02

York Project (SDG) No.

21J0482

Client Project ID

170695201

Matrix

Water

Collection Date/Time

October 11, 2021 9:55 am

Date Received

10/11/2021

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-12-7	Anthracene	0.0865		ug/L	0.0541	0.0541	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/18/2021 17:47	KH
1912-24-9	Atrazine	ND		ug/L	0.541	0.541	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/18/2021 17:47	KH
100-52-7	Benzaldehyde	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:52	KH
92-87-5	Benzidine	ND		ug/L	10.8	21.6	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:52	KH
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/18/2021 17:47	KH
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/18/2021 17:47	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/18/2021 17:47	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/18/2021 17:47	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/18/2021 17:47	KH
65-85-0	Benzoic acid	ND		ug/L	27.0	54.1	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:52	KH
100-51-6	Benzyl alcohol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:52	KH
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:52	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:52	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:52	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:52	KH
117-81-7	Bis(2-ethylhexyl)phthalate	0.627	B	ug/L	0.541	0.541	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/18/2021 17:47	KH
105-60-2	Caprolactam	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:52	KH
86-74-8	Carbazole	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:52	KH
218-01-9	Chrysene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/18/2021 17:47	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/18/2021 17:47	KH
132-64-9	Dibenzofuran	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:52	KH
84-66-2	Diethyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:52	KH



Sample Information

Client Sample ID: TMW02_101121

York Sample ID: 21J0482-02

York Project (SDG) No.

21J0482

Client Project ID

170695201

Matrix

Water

Collection Date/Time

October 11, 2021 9:55 am

Date Received

10/11/2021

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
131-11-3	Dimethyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:52	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:52	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:52	KH
122-39-4	* Diphenylamine	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications:	10/15/2021 07:39	10/19/2021 17:52	KH
206-44-0	Fluoranthene	0.400		ug/L	0.0541	0.0541	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/18/2021 17:47	KH
86-73-7	Fluorene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/18/2021 17:47	KH
118-74-1	Hexachlorobenzene	ND		ug/L	0.0216	0.0216	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/18/2021 17:47	KH
87-68-3	Hexachlorobutadiene	ND		ug/L	0.541	0.541	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/18/2021 17:47	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:52	KH
67-72-1	Hexachloroethane	ND		ug/L	0.541	0.541	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/18/2021 17:47	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0541	0.0541	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/18/2021 17:47	KH
78-59-1	Isophorone	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:52	KH
91-20-3	Naphthalene	0.0865		ug/L	0.0541	0.0541	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/18/2021 17:47	KH
98-95-3	Nitrobenzene	ND		ug/L	0.270	0.270	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/18/2021 17:47	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.541	0.541	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/18/2021 17:47	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:52	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:52	KH
87-86-5	Pentachlorophenol	ND		ug/L	0.270	0.270	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/18/2021 17:47	KH
85-01-8	Phenanthrene	0.0865		ug/L	0.0541	0.0541	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/18/2021 17:47	KH
108-95-2	Phenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 17:52	KH
129-00-0	Pyrene	0.541		ug/L	0.0541	0.0541	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/18/2021 17:47	KH
Surrogate Recoveries		Result	Acceptance Range								



Sample Information

Client Sample ID: TMW02_101121

York Sample ID: 21J0482-02

York Project (SDG) No.
21J0482

Client Project ID
170695201

Matrix
Water

Collection Date/Time
October 11, 2021 9:55 am

Date Received
10/11/2021

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
367-12-4	Surrogate: SURR: 2-Fluorophenol	30.3 %			19.7-63.1						
4165-62-2	Surrogate: SURR: Phenol-d5	17.0 %			10.1-41.7						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	68.2 %			50.2-113						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	69.0 %			39.9-105						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	144 %			39.3-151						
1718-51-0	Surrogate: SURR: Terphenyl-d14	84.2 %			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	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 13:35	10/18/2021 20:58	CM
72-55-9	4,4'-DDE	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 13:35	10/18/2021 20:58	CM
50-29-3	4,4'-DDT	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 13:35	10/18/2021 20:58	CM
309-00-2	Aldrin	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 13:35	10/18/2021 20:58	CM
319-84-6	alpha-BHC	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 13:35	10/18/2021 20:58	CM
5103-71-9	alpha-Chlordane	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 13:35	10/18/2021 20:58	CM
319-85-7	beta-BHC	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 13:35	10/18/2021 20:58	CM
57-74-9	Chlordane, total	ND		ug/L	0.0222	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 13:35	10/18/2021 20:58	CM
319-86-8	delta-BHC	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 13:35	10/18/2021 20:58	CM
60-57-1	Dieldrin	ND		ug/L	0.00222	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 13:35	10/18/2021 20:58	CM
959-98-8	Endosulfan I	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 13:35	10/18/2021 20:58	CM
33213-65-9	Endosulfan II	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 13:35	10/18/2021 20:58	CM
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 13:35	10/18/2021 20:58	CM
72-20-8	Endrin	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 13:35	10/18/2021 20:58	CM
7421-93-4	Endrin aldehyde	ND		ug/L	0.0111	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 13:35	10/18/2021 20:58	CM
53494-70-5	Endrin ketone	ND		ug/L	0.0111	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 13:35	10/18/2021 20:58	CM



Sample Information

Client Sample ID: TMW02_101121

York Sample ID: 21J0482-02

York Project (SDG) No.
21J0482

Client Project ID
170695201

Matrix
Water

Collection Date/Time
October 11, 2021 9:55 am

Date Received
10/11/2021

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
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 13:35	10/18/2021 20:58	CM
5566-34-7	gamma-Chlordane	ND		ug/L	0.0111	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 13:35	10/18/2021 20:58	CM
76-44-8	Heptachlor	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 13:35	10/18/2021 20:58	CM
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 13:35	10/18/2021 20:58	CM
72-43-5	Methoxychlor	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 13:35	10/18/2021 20:58	CM
8001-35-2	Toxaphene	ND		ug/L	0.111	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 13:35	10/18/2021 20:58	CM
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	58.5 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	90.0 %	30-150							

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

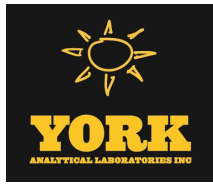
Sample Prepared by Method: EPA SW846-3510C Low Level

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	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/14/2021 13:35	10/16/2021 00:05	BJ
11104-28-2	Aroclor 1221	ND		ug/L	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/14/2021 13:35	10/16/2021 00:05	BJ
11141-16-5	Aroclor 1232	ND		ug/L	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/14/2021 13:35	10/16/2021 00:05	BJ
53469-21-9	Aroclor 1242	ND		ug/L	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/14/2021 13:35	10/16/2021 00:05	BJ
12672-29-6	Aroclor 1248	ND		ug/L	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/14/2021 13:35	10/16/2021 00:05	BJ
11097-69-1	Aroclor 1254	ND		ug/L	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/14/2021 13:35	10/16/2021 00:05	BJ
11096-82-5	Aroclor 1260	ND		ug/L	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/14/2021 13:35	10/16/2021 00:05	BJ
1336-36-3	* Total PCBs	ND		ug/L	0.0556	1	EPA 8082A Certifications:	10/14/2021 13:35	10/16/2021 00:05	BJ
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	94.0 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	64.5 %	30-120							

Metals, Target Analyte, ICP

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: TMW02_101121

York Sample ID: 21J0482-02

York Project (SDG) No.

21J0482

Client Project ID

170695201

Matrix

Water

Collection Date/Time

October 11, 2021 9:55 am

Date Received

10/11/2021

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	ND		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 09:36	10/14/2021 17:48	EM
7440-39-3	Barium	0.0882		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 09:36	10/14/2021 17:48	EM
7440-70-2	Calcium	101	B	mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 09:36	10/14/2021 17:48	EM
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 09:36	10/14/2021 17:48	EM
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 09:36	10/14/2021 17:48	EM
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 09:36	10/14/2021 17:48	EM
7439-89-6	Iron	2.53		mg/L	0.278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 09:36	10/14/2021 17:48	EM
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 09:36	10/14/2021 17:48	EM
7439-95-4	Magnesium	24.0		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 09:36	10/14/2021 17:48	EM
7439-96-5	Manganese	1.70		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 09:36	10/14/2021 17:48	EM
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 09:36	10/14/2021 17:48	EM
7440-09-7	Potassium	17.8		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 09:36	10/14/2021 17:48	EM
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 09:36	10/14/2021 17:48	EM
7440-23-5	Sodium	48.3		mg/L	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 09:36	10/14/2021 17:48	EM
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 09:36	10/14/2021 17:48	EM
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 09:36	10/14/2021 17:48	EM

Metals, Target Analyte, ICP 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	0.137		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/18/2021 09:02	10/18/2021 14:02	EM
7440-39-3	Barium	0.0810		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/18/2021 09:02	10/18/2021 14:02	EM
7440-70-2	Calcium	121		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/18/2021 09:02	10/18/2021 14:02	EM
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/18/2021 09:02	10/18/2021 14:02	EM



Sample Information

Client Sample ID: TMW02_101121

York Sample ID: 21J0482-02

York Project (SDG) No.
21J0482

Client Project ID
170695201

Matrix
Water

Collection Date/Time
October 11, 2021 9:55 am

Date Received
10/11/2021

Metals, Target Analyte, ICP 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
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/18/2021 09:02	10/18/2021 14:02	EM
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/18/2021 09:02	10/18/2021 14:02	EM
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/18/2021 09:02	10/18/2021 14:02	EM
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/18/2021 09:02	10/18/2021 14:02	EM
7439-95-4	Magnesium	26.6		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/18/2021 09:02	10/18/2021 14:02	EM
7439-96-5	Manganese	0.953		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/18/2021 09:02	10/18/2021 14:02	EM
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/18/2021 09:02	10/18/2021 14:02	EM
7440-09-7	Potassium	26.3		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/18/2021 09:02	10/18/2021 14:02	EM
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/18/2021 09:02	10/18/2021 14:02	EM
7440-23-5	Sodium	29.4		mg/L	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/18/2021 09:02	10/18/2021 14:02	EM
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/18/2021 09:02	10/18/2021 14:02	EM
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/18/2021 09:02	10/18/2021 14:02	EM

Metals, Target Analyte, 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
7440-36-0	Antimony	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 10:04	10/15/2021 19:35	BML
7440-38-2	Arsenic	0.00173		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 10:04	10/15/2021 19:35	BML
7440-41-7	Beryllium	ND		mg/L	0.000333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 10:04	10/15/2021 19:35	BML
7440-43-9	Cadmium	ND		mg/L	0.000556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 10:04	10/15/2021 19:35	BML
7782-49-2	Selenium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 10:04	10/15/2021 19:35	BML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 10:04	10/15/2021 19:35	BML

Metals, Target Analyte, ICPMS Dissolved

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: TMW02_101121

York Sample ID: 21J0482-02

York Project (SDG) No.
21J0482

Client Project ID
170695201

Matrix
Water

Collection Date/Time
October 11, 2021 9:55 am

Date Received
10/11/2021

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
7440-36-0	Antimony	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/18/2021 09:06	10/18/2021 16:05	BML
7440-38-2	Arsenic	0.00189		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/18/2021 09:06	10/18/2021 16:05	BML
7440-41-7	Beryllium	ND		mg/L	0.000333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/18/2021 09:06	10/18/2021 16:05	BML
7440-43-9	Cadmium	ND		mg/L	0.000556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/18/2021 09:06	10/18/2021 16:05	BML
7782-49-2	Selenium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/18/2021 09:06	10/18/2021 16:05	BML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/18/2021 09:06	10/18/2021 16:05	BML

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	1	EPA 7470 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/11/2021 20:45	10/11/2021 20:45	AA

Mercury, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	1	EPA 7470 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/11/2021 20:48	10/11/2021 20:48	AA

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/L	0.0100	1	EPA 7196A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/11/2021 22:21	10/11/2021 23:23	MAO

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	ND		mg/L	0.0100	1	Calculation Certifications:	10/18/2021 13:17	10/18/2021 13:23	PAM



Sample Information

Client Sample ID: TMW01_101121

York Sample ID: 21J0482-03

York Project (SDG) No.

21J0482

Client Project ID

170695201

Matrix

Water

Collection Date/Time

October 11, 2021 11:20 am

Date Received

10/11/2021

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	10/13/2021 06:50	10/13/2021 15:02	JTG
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	10/13/2021 06:50	10/13/2021 15:02	JTG
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	10/13/2021 06:50	10/13/2021 15:02	JTG
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	10/13/2021 06:50	10/13/2021 15:02	JTG
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	10/13/2021 06:50	10/13/2021 15:02	JTG
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:50	10/13/2021 15:02	JTG
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:50	10/13/2021 15:02	JTG
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:50	10/13/2021 15:02	JTG
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:50	10/13/2021 15:02	JTG
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:50	10/13/2021 15:02	JTG
95-63-6	1,2,4-Trimethylbenzene	0.25	CCV-E, J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:50	10/13/2021 15:02	JTG
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	10/13/2021 06:50	10/13/2021 15:02	JTG
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:50	10/13/2021 15:02	JTG
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:50	10/13/2021 15:02	JTG
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:50	10/13/2021 15:02	JTG
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:50	10/13/2021 15:02	JTG
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	10/13/2021 06:50	10/13/2021 15:02	JTG
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:50	10/13/2021 15:02	JTG
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:50	10/13/2021 15:02	JTG
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:50	10/13/2021 15:02	JTG
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:50	10/13/2021 15:02	JTG



Sample Information

Client Sample ID: TMW01_101121

York Sample ID: 21J0482-03

York Project (SDG) No.

21J0482

Client Project ID

170695201

Matrix

Water

Collection Date/Time

October 11, 2021 11:20 am

Date Received

10/11/2021

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
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:50	10/13/2021 15:02	JTG
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	10/13/2021 06:50	10/13/2021 15:02	JTG
67-64-1	Acetone	1.1	J	ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:50	10/13/2021 15:02	JTG
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:50	10/13/2021 15:02	JTG
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:50	10/13/2021 15:02	JTG
71-43-2	Benzene	0.27	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:50	10/13/2021 15:02	JTG
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:50	10/13/2021 15:02	JTG
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:50	10/13/2021 15:02	JTG
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:50	10/13/2021 15:02	JTG
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:50	10/13/2021 15:02	JTG
75-15-0	Carbon disulfide	0.23	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:50	10/13/2021 15:02	JTG
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:50	10/13/2021 15:02	JTG
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:50	10/13/2021 15:02	JTG
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:50	10/13/2021 15:02	JTG
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:50	10/13/2021 15:02	JTG
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:50	10/13/2021 15:02	JTG
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	10/13/2021 06:50	10/13/2021 15:02	JTG
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	10/13/2021 06:50	10/13/2021 15:02	JTG
110-82-7	Cyclohexane	4.6		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:50	10/13/2021 15:02	JTG
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:50	10/13/2021 15:02	JTG
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:50	10/13/2021 15:02	JTG
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:50	10/13/2021 15:02	JTG



Sample Information

Client Sample ID: TMW01_101121

York Sample ID: 21J0482-03

York Project (SDG) No.

21J0482

Client Project ID

170695201

Matrix

Water

Collection Date/Time

October 11, 2021 11:20 am

Date Received

10/11/2021

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
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:50	10/13/2021 15:02	JTG
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:50	10/13/2021 15:02	JTG
98-82-8	Isopropylbenzene	4.4	CCV-E	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:50	10/13/2021 15:02	JTG
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:50	10/13/2021 15:02	JTG
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	10/13/2021 06:50	10/13/2021 15:02	JTG
108-87-2	Methylcyclohexane	1.6		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:50	10/13/2021 15:02	JTG
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:50	10/13/2021 15:02	JTG
104-51-8	n-Butylbenzene	0.32	CCV-E, J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:50	10/13/2021 15:02	JTG
103-65-1	n-Propylbenzene	2.6	CCV-E	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:50	10/13/2021 15:02	JTG
95-47-6	o-Xylene	0.35	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	10/13/2021 06:50	10/13/2021 15:02	JTG
179601-23-1	p- & m- Xylenes	0.72	J	ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	10/13/2021 06:50	10/13/2021 15:02	JTG
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:50	10/13/2021 15:02	JTG
135-98-8	sec-Butylbenzene	1.1	CCV-E	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:50	10/13/2021 15:02	JTG
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:50	10/13/2021 15:02	JTG
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:50	10/13/2021 15:02	JTG
98-06-6	tert-Butylbenzene	0.25	CCV-E, J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:50	10/13/2021 15:02	JTG
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:50	10/13/2021 15:02	JTG
108-88-3	Toluene	0.28	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:50	10/13/2021 15:02	JTG
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	10/13/2021 06:50	10/13/2021 15:02	JTG
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	10/13/2021 06:50	10/13/2021 15:02	JTG
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	10/13/2021 06:50	10/13/2021 15:02	JTG
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:50	10/13/2021 15:02	JTG



Sample Information

Client Sample ID: TMW01_101121

York Sample ID: 21J0482-03

York Project (SDG) No.

21J0482

Client Project ID

170695201

Matrix

Water

Collection Date/Time

October 11, 2021 11:20 am

Date Received

10/11/2021

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
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:50	10/13/2021 15:02	JTG
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/13/2021 06:50	10/13/2021 15:02	JTG
1330-20-7	Xylenes, Total	1.1	J	ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	10/13/2021 06:50	10/13/2021 15:02	JTG
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	101 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	102 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	98.8 %	79-122								

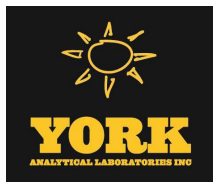
Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 18:21	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 18:21	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 18:21	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	10/15/2021 07:39	10/19/2021 18:21	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 18:21	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	10/15/2021 07:39	10/19/2021 18:21	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	10/15/2021 07:39	10/19/2021 18:21	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 18:21	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 18:21	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 18:21	KH
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 18:21	KH
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 18:21	KH
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 18:21	KH



Sample Information

Client Sample ID: TMW01_101121

York Sample ID: 21J0482-03

York Project (SDG) No.

21J0482

Client Project ID

170695201

Matrix

Water

Collection Date/Time

October 11, 2021 11:20 am

Date Received

10/11/2021

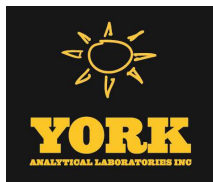
Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 18:21	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 18:21	KH
91-58-7	2-Chloronaphthalene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 18:21	KH
95-57-8	2-Chlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 18:21	KH
91-57-6	2-Methylnaphthalene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 18:21	KH
95-48-7	2-Methylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 18:21	KH
88-74-4	2-Nitroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 18:21	KH
88-75-5	2-Nitrophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 18:21	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 18:21	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 18:21	KH
99-09-2	3-Nitroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 18:21	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 18:21	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 18:21	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 18:21	KH
106-47-8	4-Chloroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 18:21	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 18:21	KH
100-01-6	4-Nitroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 18:21	KH
100-02-7	4-Nitrophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 18:21	KH
83-32-9	Acenaphthene	2.40		ug/L	0.0556	0.0556	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/18/2021 18:19	KH
208-96-8	Acenaphthylene	ND		ug/L	0.0556	0.0556	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/18/2021 18:19	KH
98-86-2	Acetophenone	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 18:21	KH
62-53-3	Aniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 18:21	KH



Sample Information

Client Sample ID: TMW01_101121

York Sample ID: 21J0482-03

York Project (SDG) No.

21J0482

Client Project ID

170695201

Matrix

Water

Collection Date/Time

October 11, 2021 11:20 am

Date Received

10/11/2021

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-12-7	Anthracene	0.144		ug/L	0.0556	0.0556	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/18/2021 18:19	KH
1912-24-9	Atrazine	ND		ug/L	0.556	0.556	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/18/2021 18:19	KH
100-52-7	Benzaldehyde	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 18:21	KH
92-87-5	Benzidine	ND		ug/L	11.1	22.2	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 18:21	KH
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0556	0.0556	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/18/2021 18:19	KH
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0556	0.0556	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/18/2021 18:19	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0556	0.0556	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/18/2021 18:19	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0556	0.0556	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/18/2021 18:19	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0556	0.0556	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/18/2021 18:19	KH
65-85-0	Benzoic acid	ND		ug/L	27.8	55.6	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 18:21	KH
100-51-6	Benzyl alcohol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 18:21	KH
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 18:21	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 18:21	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 18:21	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 18:21	KH
117-81-7	Bis(2-ethylhexyl)phthalate	0.789	B	ug/L	0.556	0.556	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/18/2021 18:19	KH
105-60-2	Caprolactam	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 18:21	KH
86-74-8	Carbazole	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 18:21	KH
218-01-9	Chrysene	ND		ug/L	0.0556	0.0556	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/18/2021 18:19	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0556	0.0556	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/18/2021 18:19	KH
132-64-9	Dibenzofuran	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 18:21	KH
84-66-2	Diethyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 18:21	KH



Sample Information

Client Sample ID: TMW01_101121

York Sample ID: 21J0482-03

York Project (SDG) No.
21J0482

Client Project ID
170695201

Matrix
Water

Collection Date/Time
October 11, 2021 11:20 am

Date Received
10/11/2021

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
131-11-3	Dimethyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 18:21	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 18:21	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 18:21	KH
122-39-4	* Diphenylamine	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	10/15/2021 07:39	10/19/2021 18:21	KH
206-44-0	Fluoranthene	ND		ug/L	0.0556	0.0556	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/18/2021 18:19	KH
86-73-7	Fluorene	ND		ug/L	0.0556	0.0556	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/18/2021 18:19	KH
118-74-1	Hexachlorobenzene	ND		ug/L	0.0222	0.0222	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/18/2021 18:19	KH
87-68-3	Hexachlorobutadiene	ND		ug/L	0.556	0.556	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/18/2021 18:19	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 18:21	KH
67-72-1	Hexachloroethane	ND		ug/L	0.556	0.556	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/18/2021 18:19	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0556	0.0556	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/18/2021 18:19	KH
78-59-1	Isophorone	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 18:21	KH
91-20-3	Naphthalene	0.589		ug/L	0.0556	0.0556	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/18/2021 18:19	KH
98-95-3	Nitrobenzene	ND		ug/L	0.278	0.278	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/18/2021 18:19	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.556	0.556	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/18/2021 18:19	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 18:21	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 18:21	KH
87-86-5	Pentachlorophenol	ND		ug/L	0.278	0.278	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/18/2021 18:19	KH
85-01-8	Phenanthrene	0.267		ug/L	0.0556	0.0556	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/18/2021 18:19	KH
108-95-2	Phenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/19/2021 18:21	KH
129-00-0	Pyrene	0.0556		ug/L	0.0556	0.0556	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 07:39	10/18/2021 18:19	KH
Surrogate Recoveries		Result	Acceptance Range								



Sample Information

Client Sample ID: TMW01_101121

York Sample ID: 21J0482-03

York Project (SDG) No.
21J0482

Client Project ID
170695201

Matrix
Water

Collection Date/Time
October 11, 2021 11:20 am

Date Received
10/11/2021

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
367-12-4	Surrogate: SURR: 2-Fluorophenol	31.5 %			19.7-63.1						
4165-62-2	Surrogate: SURR: Phenol-d5	17.6 %			10.1-41.7						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	71.1 %			50.2-113						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	68.7 %			39.9-105						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	141 %			39.3-151						
1718-51-0	Surrogate: SURR: Terphenyl-d14	81.2 %			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	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 13:35	10/18/2021 21:14	CM
72-55-9	4,4'-DDE	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 13:35	10/18/2021 21:14	CM
50-29-3	4,4'-DDT	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 13:35	10/18/2021 21:14	CM
309-00-2	Aldrin	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 13:35	10/18/2021 21:14	CM
319-84-6	alpha-BHC	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 13:35	10/18/2021 21:14	CM
5103-71-9	alpha-Chlordane	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 13:35	10/18/2021 21:14	CM
319-85-7	beta-BHC	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 13:35	10/18/2021 21:14	CM
57-74-9	Chlordane, total	ND		ug/L	0.0235	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 13:35	10/18/2021 21:14	CM
319-86-8	delta-BHC	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 13:35	10/18/2021 21:14	CM
60-57-1	Dieldrin	ND		ug/L	0.00235	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 13:35	10/18/2021 21:14	CM
959-98-8	Endosulfan I	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 13:35	10/18/2021 21:14	CM
33213-65-9	Endosulfan II	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 13:35	10/18/2021 21:14	CM
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 13:35	10/18/2021 21:14	CM
72-20-8	Endrin	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 13:35	10/18/2021 21:14	CM
7421-93-4	Endrin aldehyde	ND		ug/L	0.0118	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 13:35	10/18/2021 21:14	CM
53494-70-5	Endrin ketone	ND		ug/L	0.0118	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 13:35	10/18/2021 21:14	CM



Sample Information

Client Sample ID: TMW01_101121

York Sample ID: 21J0482-03

York Project (SDG) No.
21J0482

Client Project ID
170695201

Matrix
Water

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October 11, 2021 11:20 am

Date Received
10/11/2021

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
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 13:35	10/18/2021 21:14	CM
5566-34-7	gamma-Chlordane	ND		ug/L	0.0118	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 13:35	10/18/2021 21:14	CM
76-44-8	Heptachlor	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 13:35	10/18/2021 21:14	CM
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 13:35	10/18/2021 21:14	CM
72-43-5	Methoxychlor	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 13:35	10/18/2021 21:14	CM
8001-35-2	Toxaphene	ND		ug/L	0.118	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 13:35	10/18/2021 21:14	CM
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	69.1 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	88.8 %	30-150							

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

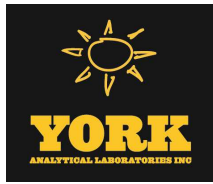
Sample Prepared by Method: EPA SW846-3510C Low Level

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	0.0588	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/14/2021 13:35	10/16/2021 00:19	BJ
11104-28-2	Aroclor 1221	ND		ug/L	0.0588	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/14/2021 13:35	10/16/2021 00:19	BJ
11141-16-5	Aroclor 1232	ND		ug/L	0.0588	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/14/2021 13:35	10/16/2021 00:19	BJ
53469-21-9	Aroclor 1242	ND		ug/L	0.0588	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/14/2021 13:35	10/16/2021 00:19	BJ
12672-29-6	Aroclor 1248	ND		ug/L	0.0588	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/14/2021 13:35	10/16/2021 00:19	BJ
11097-69-1	Aroclor 1254	ND		ug/L	0.0588	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/14/2021 13:35	10/16/2021 00:19	BJ
11096-82-5	Aroclor 1260	ND		ug/L	0.0588	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/14/2021 13:35	10/16/2021 00:19	BJ
1336-36-3	* Total PCBs	ND		ug/L	0.0588	1	EPA 8082A Certifications:	10/14/2021 13:35	10/16/2021 00:19	BJ
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	98.5 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	74.0 %	30-120							

Metals, Target Analyte, ICP

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: TMW01_101121

York Sample ID: 21J0482-03

York Project (SDG) No.

21J0482

Client Project ID

170695201

Matrix

Water

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October 11, 2021 11:20 am

Date Received

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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	0.354		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 09:36	10/14/2021 17:52	EM
7440-39-3	Barium	0.0991		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 09:36	10/14/2021 17:52	EM
7440-70-2	Calcium	101	B	mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 09:36	10/14/2021 17:52	EM
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 09:36	10/14/2021 17:52	EM
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 09:36	10/14/2021 17:52	EM
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 09:36	10/14/2021 17:52	EM
7439-89-6	Iron	3.61		mg/L	0.278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 09:36	10/14/2021 17:52	EM
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 09:36	10/14/2021 17:52	EM
7439-95-4	Magnesium	24.1		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 09:36	10/14/2021 17:52	EM
7439-96-5	Manganese	1.77		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 09:36	10/14/2021 17:52	EM
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 09:36	10/14/2021 17:52	EM
7440-09-7	Potassium	17.9		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 09:36	10/14/2021 17:52	EM
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 09:36	10/14/2021 17:52	EM
7440-23-5	Sodium	49.6		mg/L	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 09:36	10/14/2021 17:52	EM
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 09:36	10/14/2021 17:52	EM
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/14/2021 09:36	10/14/2021 17:52	EM

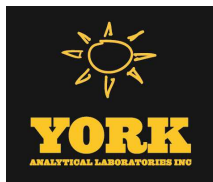
Metals, Target Analyte, ICP Dissolved

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	0.0785		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/18/2021 09:02	10/18/2021 14:04	EM
7440-39-3	Barium	0.0605		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/18/2021 09:02	10/18/2021 14:04	EM
7440-70-2	Calcium	108		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/18/2021 09:02	10/18/2021 14:04	EM
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/18/2021 09:02	10/18/2021 14:04	EM



Sample Information

Client Sample ID: TMW01_101121

York Sample ID: 21J0482-03

York Project (SDG) No.

21J0482

Client Project ID

170695201

Matrix

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October 11, 2021 11:20 am

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Metals, Target Analyte, ICP 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
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/18/2021 09:02	10/18/2021 14:04	EM
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/18/2021 09:02	10/18/2021 14:04	EM
7439-89-6	Iron	0.735		mg/L	0.278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/18/2021 09:02	10/18/2021 14:04	EM
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/18/2021 09:02	10/18/2021 14:04	EM
7439-95-4	Magnesium	23.5		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/18/2021 09:02	10/18/2021 14:04	EM
7439-96-5	Manganese	1.81		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/18/2021 09:02	10/18/2021 14:04	EM
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/18/2021 09:02	10/18/2021 14:04	EM
7440-09-7	Potassium	19.2		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/18/2021 09:02	10/18/2021 14:04	EM
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/18/2021 09:02	10/18/2021 14:04	EM
7440-23-5	Sodium	51.8		mg/L	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/18/2021 09:02	10/18/2021 14:04	EM
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/18/2021 09:02	10/18/2021 14:04	EM
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/18/2021 09:02	10/18/2021 14:04	EM

Metals, Target Analyte, 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
7440-36-0	Antimony	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 10:04	10/15/2021 19:46	BML
7440-38-2	Arsenic	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 10:04	10/15/2021 19:46	BML
7440-41-7	Beryllium	ND		mg/L	0.000333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 10:04	10/15/2021 19:46	BML
7440-43-9	Cadmium	ND		mg/L	0.000556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 10:04	10/15/2021 19:46	BML
7782-49-2	Selenium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 10:04	10/15/2021 19:46	BML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/15/2021 10:04	10/15/2021 19:46	BML

Metals, Target Analyte, ICPMS Dissolved

Log-in Notes:

Sample Notes:

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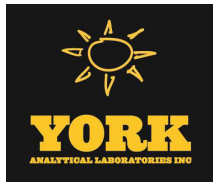


132-02 89th AVENUE

FAX (203) 357-0166

RICHMOND HILL, NY 11418

ClientServices@



Sample Information

Client Sample ID: TMW01_101121

York Sample ID: 21J0482-03

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170695201

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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
7440-36-0	Antimony	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/18/2021 09:06	10/18/2021 16:09	BML
7440-38-2	Arsenic	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/18/2021 09:06	10/18/2021 16:09	BML
7440-41-7	Beryllium	ND		mg/L	0.000333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/18/2021 09:06	10/18/2021 16:09	BML
7440-43-9	Cadmium	ND		mg/L	0.000556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/18/2021 09:06	10/18/2021 16:09	BML
7782-49-2	Selenium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/18/2021 09:06	10/18/2021 16:09	BML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/18/2021 09:06	10/18/2021 16:09	BML

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	1	EPA 7470 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/11/2021 20:45	10/11/2021 20:45	AA

Mercury, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	1	EPA 7470 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/11/2021 20:48	10/11/2021 20:48	AA

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/L	0.0100	1	EPA 7196A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	10/11/2021 22:21	10/11/2021 23:23	MAO

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	ND		mg/L	0.0100	1	Calculation Certifications:	10/18/2021 13:17	10/18/2021 13:23	PAM



Analytical Batch Summary

Batch ID: BJ10612 **Preparation Method:** EPA SW846-7470A **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
21J0482-01	TMW03_101121	10/11/21
21J0482-02	TMW02_101121	10/11/21
21J0482-03	TMW01_101121	10/11/21
BJ10612-BLK1	Blank	10/11/21
BJ10612-BS1	LCS	10/11/21
BJ10612-DUP1	Duplicate	10/11/21
BJ10612-DUP2	Duplicate	10/11/21
BJ10612-MS1	Matrix Spike	10/11/21
BJ10612-MS2	Matrix Spike	10/11/21

Batch ID: BJ10614 **Preparation Method:** EPA SW846-7470A **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
21J0482-01	TMW03_101121	10/11/21
21J0482-02	TMW02_101121	10/11/21
21J0482-03	TMW01_101121	10/11/21
BJ10614-BLK1	Blank	10/11/21
BJ10614-BS1	LCS	10/11/21
BJ10614-DUP1	Duplicate	10/11/21
BJ10614-DUP2	Duplicate	10/11/21
BJ10614-MS1	Matrix Spike	10/11/21
BJ10614-MS2	Matrix Spike	10/11/21

Batch ID: BJ10616 **Preparation Method:** Analysis Preparation **Prepared By:** MAO

YORK Sample ID	Client Sample ID	Preparation Date
21J0482-01	TMW03_101121	10/11/21
21J0482-02	TMW02_101121	10/11/21
21J0482-03	TMW01_101121	10/11/21
BJ10616-BLK1	Blank	10/11/21
BJ10616-BS1	LCS	10/11/21
BJ10616-DUP1	Duplicate	10/11/21
BJ10616-MS1	Matrix Spike	10/11/21

Batch ID: BJ10671 **Preparation Method:** EPA 5030B **Prepared By:** JTG

YORK Sample ID	Client Sample ID	Preparation Date
21J0482-01	TMW03_101121	10/12/21
21J0482-02	TMW02_101121	10/12/21
BJ10671-BLK1	Blank	10/12/21
BJ10671-BS1	LCS	10/12/21
BJ10671-BSD1	LCS Dup	10/12/21
BJ10671-MS1	Matrix Spike	10/12/21
BJ10671-MSD1	Matrix Spike Dup	10/12/21



Batch ID: BJ10759

Preparation Method: EPA 5030B

Prepared By: JTG

YORK Sample ID	Client Sample ID	Preparation Date
21J0482-03	TMW01_101121	10/13/21
BJ10759-BLK1	Blank	10/13/21
BJ10759-BS1	LCS	10/13/21
BJ10759-BSD1	LCS Dup	10/13/21
BJ10759-MS1	Matrix Spike	10/13/21
BJ10759-MSD1	Matrix Spike Dup	10/13/21

Batch ID: BJ10820

Preparation Method: EPA 3015A

Prepared By: BR

YORK Sample ID	Client Sample ID	Preparation Date
21J0482-01	TMW03_101121	10/14/21
21J0482-02	TMW02_101121	10/14/21
21J0482-03	TMW01_101121	10/14/21
BJ10820-BLK1	Blank	10/14/21
BJ10820-BS1	LCS	10/14/21
BJ10820-DUP1	Duplicate	10/14/21
BJ10820-MS1	Matrix Spike	10/14/21
BJ10820-PS1	Post Spike	10/14/21

Batch ID: BJ10835

Preparation Method: EPA SW846-3510C Low Level

Prepared By: BMT

YORK Sample ID	Client Sample ID	Preparation Date
21J0482-01	TMW03_101121	10/14/21
21J0482-01	TMW03_101121	10/14/21
21J0482-02	TMW02_101121	10/14/21
21J0482-02	TMW02_101121	10/14/21
21J0482-03	TMW01_101121	10/14/21
21J0482-03	TMW01_101121	10/14/21
BJ10835-BLK1	Blank	10/14/21
BJ10835-BLK2	Blank	10/14/21
BJ10835-BS1	LCS	10/14/21
BJ10835-BS2	LCS	10/14/21
BJ10835-MS2	Matrix Spike	10/14/21
BJ10835-MSD2	Matrix Spike Dup	10/14/21

Batch ID: BJ10876

Preparation Method: EPA 3510C

Prepared By: MC

YORK Sample ID	Client Sample ID	Preparation Date
21J0482-01	TMW03_101121	10/15/21
21J0482-02	TMW02_101121	10/15/21
21J0482-03	TMW01_101121	10/15/21
BJ10876-BLK1	Blank	10/15/21
BJ10876-BLK2	Blank	10/15/21
BJ10876-BS1	LCS	10/15/21
BJ10876-BS2	LCS	10/15/21



BJ10876-MS1 Matrix Spike 10/15/21
BJ10876-MSD1 Matrix Spike Dup 10/15/21

Batch ID: BJ10898 **Preparation Method:** EPA 3015A **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
21J0482-01	TMW03_101121	10/15/21
21J0482-02	TMW02_101121	10/15/21
21J0482-03	TMW01_101121	10/15/21
BJ10898-BLK1	Blank	10/15/21
BJ10898-BS1	LCS	10/15/21
BJ10898-DUP1	Duplicate	10/15/21
BJ10898-MS1	Matrix Spike	10/15/21

Batch ID: BJ10978 **Preparation Method:** EPA 3015A **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
21J0482-01	TMW03_101121	10/18/21
21J0482-02	TMW02_101121	10/18/21
21J0482-03	TMW01_101121	10/18/21
BJ10978-BLK1	Blank	10/18/21
BJ10978-BS1	LCS	10/18/21
BJ10978-DUP1	Duplicate	10/18/21
BJ10978-MS1	Matrix Spike	10/18/21
BJ10978-PS1	Post Spike	10/18/21

Batch ID: BJ10979 **Preparation Method:** EPA 3015A **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
21J0482-01	TMW03_101121	10/18/21
21J0482-02	TMW02_101121	10/18/21
21J0482-03	TMW01_101121	10/18/21
BJ10979-BLK1	Blank	10/18/21
BJ10979-BS1	LCS	10/18/21
BJ10979-DUP1	Duplicate	10/18/21
BJ10979-MS1	Matrix Spike	10/18/21

Batch ID: BJ11009 **Preparation Method:** Analysis Preparation **Prepared By:** PAM

YORK Sample ID	Client Sample ID	Preparation Date
21J0482-01	TMW03_101121	10/18/21
21J0482-02	TMW02_101121	10/18/21
21J0482-03	TMW01_101121	10/18/21



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ10671 - EPA 5030B											
Blank (BJ10671-BLK1)	Blank										Prepared & Analyzed: 10/12/2021
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	"								
Bromochloromethane	ND	0.50	"								
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	"								



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 BJ10671 - EPA 5030B

Blank (BJ10671-BLK1)	Blank	Prepared & Analyzed: 10/12/2021									
n-Butylbenzene	ND	0.50	ug/L								
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	"								
Surrogate: SURRE: 1,2-Dichloroethane-d4	10.6		"	10.0		106	69-130				
Surrogate: SURRE: Toluene-d8	10.2		"	10.0		102	81-117				
Surrogate: SURRE: p-Bromofluorobenzene	10.2		"	10.0		102	79-122				

LCS (BJ10671-BS1)	LCS	Prepared & Analyzed: 10/12/2021									
1,1,1,2-Tetrachloroethane	9.7		ug/L	10.0		97.3	82-126				
1,1,1-Trichloroethane	9.4		"	10.0		93.9	78-136				
1,1,2,2-Tetrachloroethane	9.3		"	10.0		92.7	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10		"	10.0		103	54-165				
1,1,2-Trichloroethane	8.9		"	10.0		88.7	82-123				
1,1-Dichloroethane	9.0		"	10.0		90.2	82-129				
1,1-Dichloroethylene	10		"	10.0		100	68-138				
1,2,3-Trichlorobenzene	8.5		"	10.0		85.3	40-130				
1,2,3-Trichloropropane	9.1		"	10.0		91.4	77-128				
1,2,4-Trichlorobenzene	9.1		"	10.0		90.6	65-137				
1,2,4-Trimethylbenzene	11		"	10.0		108	82-132				
1,2-Dibromo-3-chloropropane	9.0		"	10.0		89.5	45-147				
1,2-Dibromoethane	8.6		"	10.0		86.4	83-124				
1,2-Dichlorobenzene	9.8		"	10.0		98.3	79-123				
1,2-Dichloroethane	8.6		"	10.0		86.4	73-132				
1,2-Dichloropropane	9.6		"	10.0		95.7	78-126				
1,3,5-Trimethylbenzene	11		"	10.0		112	80-131				
1,3-Dichlorobenzene	10		"	10.0		101	86-130				
1,4-Dichlorobenzene	9.9		"	10.0		99.3	85-130				
1,4-Dioxane	160		"	210		78.1	10-349				
2-Butanone	7.3		"	10.0		73.4	49-152				
2-Hexanone	6.1		"	10.0		60.9	51-146				
4-Methyl-2-pentanone	6.4		"	10.0		64.1	57-145				
Acetone	7.1		"	10.0		71.0	14-150				
Acrolein	6.2		"	10.0		61.9	10-153				
Acrylonitrile	7.4		"	10.0		73.5	51-150				
Benzene	9.4		"	10.0		94.4	85-126				
Bromochloromethane	8.9		"	10.0		89.0	77-128				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ10671 - EPA 5030B											
LCS (BJ10671-BS1)	LCS		Prepared & Analyzed: 10/12/2021								
Bromodichloromethane	9.3		ug/L	10.0		92.8	79-128				
Bromoform	8.4		"	10.0		83.7	78-133				
Bromomethane	9.2		"	10.0		91.7	43-168				
Carbon disulfide	11		"	10.0		108	68-146				
Carbon tetrachloride	10		"	10.0		99.6	77-141				
Chlorobenzene	9.8		"	10.0		97.6	88-120				
Chloroethane	9.8		"	10.0		97.7	65-136				
Chloroform	9.2		"	10.0		92.4	82-128				
Chloromethane	11		"	10.0		115	43-155				
cis-1,2-Dichloroethylene	9.5		"	10.0		95.3	83-129				
cis-1,3-Dichloropropylene	9.0		"	10.0		90.0	80-131				
Cyclohexane	8.1		"	10.0		81.0	63-149				
Dibromochloromethane	8.9		"	10.0		89.4	80-130				
Dibromomethane	8.7		"	10.0		86.9	72-134				
Dichlorodifluoromethane	12		"	10.0		122	44-144				
Ethyl Benzene	10		"	10.0		102	80-131				
Hexachlorobutadiene	9.4		"	10.0		94.0	67-146				
Isopropylbenzene	11		"	10.0		109	76-140				
Methyl acetate	6.6		"	10.0		66.0	51-139				
Methyl tert-butyl ether (MTBE)	7.2		"	10.0		72.5	76-135	Low Bias			
Methylcyclohexane	9.5		"	10.0		95.1	72-143				
Methylene chloride	8.9		"	10.0		88.9	55-137				
n-Butylbenzene	10		"	10.0		104	79-132				
n-Propylbenzene	11		"	10.0		107	78-133				
o-Xylene	9.8		"	10.0		98.0	78-130				
p- & m- Xylenes	20		"	20.0		102	77-133				
p-Isopropyltoluene	11		"	10.0		110	81-136				
sec-Butylbenzene	11		"	10.0		113	79-137				
Styrene	9.9		"	10.0		99.1	67-132				
tert-Butyl alcohol (TBA)	6.3		"	50.0		12.6	25-162	Low Bias			
tert-Butylbenzene	9.4		"	10.0		94.1	77-138				
Tetrachloroethylene	9.4		"	10.0		94.2	82-131				
Toluene	10		"	10.0		99.9	80-127				
trans-1,2-Dichloroethylene	10		"	10.0		101	80-132				
trans-1,3-Dichloropropylene	8.6		"	10.0		85.8	78-131				
trans-1,4-dichloro-2-butene	9.1		"	10.0		91.4	63-141				
Trichloroethylene	10		"	10.0		99.5	82-128				
Trichlorofluoromethane	10		"	10.0		101	67-139				
Vinyl Chloride	11		"	10.0		106	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	9.24		"	10.0		92.4	69-130				
Surrogate: SURR: Toluene-d8	10.5		"	10.0		105	81-117				
Surrogate: SURR: p-Bromofluorobenzene	10.4		"	10.0		104	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 BJ10671 - EPA 5030B											
LCS Dup (BJ10671-BSD1)	LCS Dup		Prepared & Analyzed: 10/12/2021								
1,1,1,2-Tetrachloroethane	9.9		ug/L	10.0		99.4	82-126		2.14	30	
1,1,1-Trichloroethane	9.3		"	10.0		92.7	78-136		1.29	30	
1,1,2,2-Tetrachloroethane	11		"	10.0		106	76-129		13.9	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10		"	10.0		102	54-165		1.47	30	
1,1,2-Trichloroethane	9.9		"	10.0		98.6	82-123		10.6	30	
1,1-Dichloroethane	9.1		"	10.0		91.0	82-129		0.883	30	
1,1-Dichloroethylene	9.7		"	10.0		97.4	68-138		2.63	30	
1,2,3-Trichlorobenzene	10		"	10.0		99.5	40-130		15.4	30	
1,2,3-Trichloropropane	10		"	10.0		104	77-128		12.5	30	
1,2,4-Trichlorobenzene	9.7		"	10.0		97.3	65-137		7.13	30	
1,2,4-Trimethylbenzene	10		"	10.0		101	82-132		6.49	30	
1,2-Dibromo-3-chloropropane	9.8		"	10.0		97.6	45-147		8.66	30	
1,2-Dibromoethane	9.8		"	10.0		98.4	83-124		13.0	30	
1,2-Dichlorobenzene	9.8		"	10.0		97.9	79-123		0.408	30	
1,2-Dichloroethane	9.7		"	10.0		96.7	73-132		11.3	30	
1,2-Dichloropropane	9.5		"	10.0		95.2	78-126		0.524	30	
1,3,5-Trimethylbenzene	10		"	10.0		102	80-131		9.47	30	
1,3-Dichlorobenzene	9.7		"	10.0		97.0	86-130		3.94	30	
1,4-Dichlorobenzene	9.5		"	10.0		95.3	85-130		4.11	30	
1,4-Dioxane	210		"	210		97.7	10-349		22.2	30	
2-Butanone	9.2		"	10.0		92.2	49-152		22.7	30	
2-Hexanone	8.7		"	10.0		86.7	51-146		35.0	30	Non-dir.
4-Methyl-2-pentanone	8.6		"	10.0		85.5	57-145		28.6	30	
Acetone	8.5		"	10.0		85.3	14-150		18.3	30	
Acrolein	7.5		"	10.0		75.3	10-153		19.5	30	
Acrylonitrile	9.6		"	10.0		95.5	51-150		26.0	30	
Benzene	9.6		"	10.0		96.0	85-126		1.68	30	
Bromochloromethane	9.9		"	10.0		99.2	77-128		10.8	30	
Bromodichloromethane	9.5		"	10.0		95.2	79-128		2.55	30	
Bromoform	10		"	10.0		99.6	78-133		17.3	30	
Bromomethane	8.9		"	10.0		88.8	43-168		3.21	30	
Carbon disulfide	10		"	10.0		105	68-146		3.47	30	
Carbon tetrachloride	9.8		"	10.0		98.4	77-141		1.21	30	
Chlorobenzene	9.8		"	10.0		97.9	88-120		0.307	30	
Chloroethane	9.0		"	10.0		89.5	65-136		8.76	30	
Chloroform	9.4		"	10.0		94.2	82-128		1.93	30	
Chloromethane	11		"	10.0		110	43-155		4.36	30	
cis-1,2-Dichloroethylene	9.6		"	10.0		96.0	83-129		0.732	30	
cis-1,3-Dichloropropylene	9.5		"	10.0		94.9	80-131		5.30	30	
Cyclohexane	8.1		"	10.0		81.4	63-149		0.493	30	
Dibromochloromethane	9.9		"	10.0		98.8	80-130		9.99	30	
Dibromomethane	9.8		"	10.0		97.6	72-134		11.6	30	
Dichlorodifluoromethane	12		"	10.0		118	44-144		3.25	30	
Ethyl Benzene	9.9		"	10.0		99.4	80-131		2.88	30	
Hexachlorobutadiene	9.5		"	10.0		94.6	67-146		0.636	30	
Isopropylbenzene	9.8		"	10.0		98.4	76-140		10.5	30	
Methyl acetate	8.3		"	10.0		83.1	51-139		22.9	30	
Methyl tert-butyl ether (MTBE)	9.7		"	10.0		96.8	76-135		28.7	30	
Methylcyclohexane	9.2		"	10.0		92.4	72-143		2.88	30	
Methylene chloride	9.1		"	10.0		91.2	55-137		2.55	30	
n-Butylbenzene	10		"	10.0		103	79-132		0.963	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BJ10671 - EPA 5030B

LCS Dup (BJ10671-BSD1)	LCS Dup	Prepared & Analyzed: 10/12/2021									
n-Propylbenzene	9.8	ug/L	10.0	98.5	78-133	8.09	30				
o-Xylene	9.8	"	10.0	98.2	78-130	0.204	30				
p- & m- Xylenes	20	"	20.0	98.2	77-133	4.19	30				
p-Isopropyltoluene	10	"	10.0	103	81-136	6.69	30				
sec-Butylbenzene	11	"	10.0	105	79-137	7.50	30				
Styrene	10	"	10.0	101	67-132	2.29	30				
tert-Butyl alcohol (TBA)	7.3	"	50.0	14.6	25-162	14.7	30	Low Bias			
tert-Butylbenzene	8.6	"	10.0	85.6	77-138	9.46	30				
Tetrachloroethylene	9.0	"	10.0	90.5	82-131	4.01	30				
Toluene	9.6	"	10.0	95.8	80-127	4.19	30				
trans-1,2-Dichloroethylene	10	"	10.0	99.7	80-132	1.30	30				
trans-1,3-Dichloropropylene	9.5	"	10.0	94.9	78-131	10.1	30				
trans-1,4-dichloro-2-butene	10	"	10.0	102	63-141	11.2	30				
Trichloroethylene	9.5	"	10.0	94.9	82-128	4.73	30				
Trichlorofluoromethane	9.7	"	10.0	96.9	67-139	4.34	30				
Vinyl Chloride	10	"	10.0	102	58-145	3.74	30				
Surrogate: SURR: 1,2-Dichloroethane-d4	10.4	"	10.0	104	69-130						
Surrogate: SURR: Toluene-d8	10.2	"	10.0	102	81-117						
Surrogate: SURR: p-Bromofluorobenzene	10.1	"	10.0	101	79-122						

Matrix Spike (BJ10671-MS1)	Matrix Spike	*Source sample: 21J0434-02 (Matrix Spike) Prepared & Analyzed: 10/12/2021									
1,1,1,2-Tetrachloroethane	10	ug/L	10.0	0.0	103	45-161					
1,1,1-Trichloroethane	11	"	10.0	0.0	106	70-146					
1,1,2,2-Tetrachloroethane	12	"	10.0	0.0	124	74-121	High Bias				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11	"	10.0	0.0	114	21-217					
1,1,2-Trichloroethane	11	"	10.0	0.0	109	59-146					
1,1-Dichloroethane	10	"	10.0	0.0	103	54-146					
1,1-Dichloroethylene	12	"	10.0	0.0	116	44-165					
1,2,3-Trichlorobenzene	9.3	"	10.0	0.0	92.7	40-161					
1,2,3-Trichloropropane	12	"	10.0	0.0	118	74-127					
1,2,4-Trichlorobenzene	9.1	"	10.0	0.0	91.1	41-161					
1,2,4-Trimethylbenzene	11	"	10.0	0.0	106	72-129					
1,2-Dibromo-3-chloropropane	11	"	10.0	0.0	106	31-151					
1,2-Dibromoethane	11	"	10.0	0.0	106	75-125					
1,2-Dichlorobenzene	9.9	"	10.0	0.0	98.6	63-122					
1,2-Dichloroethane	10	"	10.0	0.0	102	68-131					
1,2-Dichloropropane	11	"	10.0	0.0	109	77-121					
1,3,5-Trimethylbenzene	11	"	10.0	0.0	109	69-126					
1,3-Dichlorobenzene	9.8	"	10.0	0.0	98.1	74-119					
1,4-Dichlorobenzene	9.8	"	10.0	0.0	97.6	70-124					
1,4-Dioxane	390	"	210	0.0	188	10-310					
2-Butanone	11	"	10.0	0.14	106	10-193					
2-Hexanone	10	"	10.0	0.0	104	53-133					
4-Methyl-2-pentanone	9.6	"	10.0	0.0	95.5	38-150					
Acetone	11	"	10.0	4.2	67.9	13-149					
Acrolein	7.4	"	10.0	0.0	74.3	10-195					
Acrylonitrile	11	"	10.0	0.0	107	37-165					
Benzene	11	"	10.0	0.0	107	38-155					
Bromochloromethane	11	"	10.0	0.0	106	75-121					
Bromodichloromethane	10	"	10.0	0.0	101	70-129					
Bromoform	10	"	10.0	0.0	102	66-136					



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BJ10671 - EPA 5030B

Matrix Spike (BJ10671-MS1)	Matrix Spike	*Source sample: 21J0434-02 (Matrix Spike)					Prepared & Analyzed: 10/12/2021				
Bromomethane	9.8		ug/L	10.0	0.0	98.0	30-158				
Carbon disulfide	12		"	10.0	0.0	124	10-138				
Carbon tetrachloride	11		"	10.0	0.0	110	71-146				
Chlorobenzene	10		"	10.0	0.0	105	81-117				
Chloroethane	11		"	10.0	0.0	110	51-145				
Chloroform	10		"	10.0	0.0	102	80-124				
Chloromethane	13		"	10.0	0.0	128	16-163				
cis-1,2-Dichloroethylene	11		"	10.0	0.0	108	76-125				
cis-1,3-Dichloropropylene	10		"	10.0	0.0	103	58-131				
Cyclohexane	9.3		"	10.0	0.0	93.2	70-130				
Dibromochloromethane	10		"	10.0	0.0	104	71-129				
Dibromomethane	10		"	10.0	0.0	104	76-120				
Dichlorodifluoromethane	12		"	10.0	0.0	124	30-147				
Ethyl Benzene	11		"	10.0	0.0	109	72-128				
Hexachlorobutadiene	12		"	10.0	0.0	117	34-166				
Isopropylbenzene	11		"	10.0	0.0	106	66-139				
Methyl acetate	9.9		"	10.0	0.0	98.8	10-200				
Methyl tert-butyl ether (MTBE)	13		"	10.0	1.3	114	75-128				
Methylcyclohexane	10		"	10.0	0.0	102	70-130				
Methylene chloride	10		"	10.0	0.39	98.6	57-128				
n-Butylbenzene	10		"	10.0	0.0	102	61-138				
n-Propylbenzene	11		"	10.0	0.0	111	66-134				
o-Xylene	11		"	10.0	0.0	106	69-126				
p- & m- Xylenes	22		"	20.0	0.0	109	67-130				
p-Isopropyltoluene	11		"	10.0	0.0	106	64-137				
sec-Butylbenzene	11		"	10.0	0.0	111	53-155				
Styrene	11		"	10.0	0.0	109	69-125				
tert-Butyl alcohol (TBA)	9.5		"	50.0	0.0	19.0	10-130				
tert-Butylbenzene	9.1		"	10.0	0.0	91.2	65-139				
Tetrachloroethylene	10		"	10.0	0.0	101	64-139				
Toluene	11		"	10.0	0.0	107	76-123				
trans-1,2-Dichloroethylene	11		"	10.0	0.0	115	79-131				
trans-1,3-Dichloropropylene	10		"	10.0	0.0	102	55-130				
trans-1,4-dichloro-2-butene	11		"	10.0	0.0	111	25-155				
Trichloroethylene	11		"	10.0	0.0	107	53-145				
Trichlorofluoromethane	11		"	10.0	0.0	113	61-142				
Vinyl Chloride	12		"	10.0	0.0	125	31-165				
Surrogate: SURR: 1,2-Dichloroethane-d4	10.5		"	10.0		105	69-130				
Surrogate: SURR: Toluene-d8	10.4		"	10.0		104	81-117				
Surrogate: SURR: p-Bromofluorobenzene	9.92		"	10.0		99.2	79-122				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ10671 - EPA 5030B											
Matrix Spike Dup (BJ10671-N) Matrix Spike Dup						Source sample: 21J0434-02 (Matrix Spike Dup)					
						Prepared & Analyzed: 10/12/2021					
1,1,1,2-Tetrachloroethane	12		ug/L	10.0	0.0	122	45-161		16.8	30	
1,1,1-Trichloroethane	12		"	10.0	0.0	118	70-146		11.3	30	
1,1,2,2-Tetrachloroethane	14		"	10.0	0.0	136	74-121	High Bias	8.86	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12		"	10.0	0.0	125	21-217		8.62	30	
1,1,2-Trichloroethane	13		"	10.0	0.0	127	59-146		15.5	30	
1,1-Dichloroethane	11		"	10.0	0.0	113	54-146		9.36	30	
1,1-Dichloroethylene	13		"	10.0	0.0	127	44-165		8.87	30	
1,2,3-Trichlorobenzene	11		"	10.0	0.0	109	40-161		16.2	30	
1,2,3-Trichloropropane	13		"	10.0	0.0	132	74-127	High Bias	10.9	30	
1,2,4-Trichlorobenzene	11		"	10.0	0.0	107	41-161		16.3	30	
1,2,4-Trimethylbenzene	12		"	10.0	0.0	122	72-129		13.2	30	
1,2-Dibromo-3-chloropropane	12		"	10.0	0.0	122	31-151		14.2	30	
1,2-Dibromoethane	12		"	10.0	0.0	123	75-125		15.0	30	
1,2-Dichlorobenzene	11		"	10.0	0.0	112	63-122		13.1	30	
1,2-Dichloroethane	12		"	10.0	0.0	116	68-131		12.7	30	
1,2-Dichloropropane	12		"	10.0	0.0	124	77-121	High Bias	12.6	30	
1,3,5-Trimethylbenzene	12		"	10.0	0.0	125	69-126		13.6	30	
1,3-Dichlorobenzene	11		"	10.0	0.0	110	74-119		11.2	30	
1,4-Dichlorobenzene	11		"	10.0	0.0	110	70-124		12.2	30	
1,4-Dioxane	470		"	210	0.0	226	10-310		18.4	30	
2-Butanone	11		"	10.0	0.14	110	10-193		3.52	30	
2-Hexanone	12		"	10.0	0.0	121	53-133		15.7	30	
4-Methyl-2-pentanone	12		"	10.0	0.0	116	38-150		19.0	30	
Acetone	13		"	10.0	4.2	85.4	13-149		22.8	30	
Acrolein	9.2		"	10.0	0.0	91.7	10-195		21.0	30	
Acrylonitrile	12		"	10.0	0.0	124	37-165		14.7	30	
Benzene	12		"	10.0	0.0	119	38-155		10.3	30	
Bromochloromethane	12		"	10.0	0.0	120	75-121		12.4	30	
Bromodichloromethane	12		"	10.0	0.0	118	70-129		15.9	30	
Bromoform	12		"	10.0	0.0	122	66-136		17.6	30	
Bromomethane	11		"	10.0	0.0	110	30-158		11.6	30	
Carbon disulfide	13		"	10.0	0.0	134	10-138		7.59	30	
Carbon tetrachloride	13		"	10.0	0.0	125	71-146		12.9	30	
Chlorobenzene	12		"	10.0	0.0	121	81-117	High Bias	14.4	30	
Chloroethane	12		"	10.0	0.0	119	51-145		7.85	30	
Chloroform	11		"	10.0	0.0	114	80-124		11.3	30	
Chloromethane	13		"	10.0	0.0	134	16-163		5.11	30	
cis-1,2-Dichloroethylene	12		"	10.0	0.0	121	76-125		11.2	30	
cis-1,3-Dichloropropylene	12		"	10.0	0.0	119	58-131		14.2	30	
Cyclohexane	10		"	10.0	0.0	104	70-130		11.2	30	
Dibromochloromethane	12		"	10.0	0.0	121	71-129		15.2	30	
Dibromomethane	12		"	10.0	0.0	120	76-120		13.9	30	
Dichlorodifluoromethane	14		"	10.0	0.0	136	30-147		9.08	30	
Ethyl Benzene	13		"	10.0	0.0	126	72-128		13.7	30	
Hexachlorobutadiene	13		"	10.0	0.0	134	34-166		13.7	30	
Isopropylbenzene	12		"	10.0	0.0	120	66-139		12.0	30	
Methyl acetate	11		"	10.0	0.0	106	10-200		7.41	30	
Methyl tert-butyl ether (MTBE)	13		"	10.0	1.3	121	75-128		5.70	30	
Methylcyclohexane	12		"	10.0	0.0	116	70-130		13.0	30	
Methylene chloride	12		"	10.0	0.39	116	57-128		16.6	30	
n-Butylbenzene	11		"	10.0	0.0	114	61-138		10.8	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 BJ10671 - EPA 5030B

Matrix Spike Dup (BJ10671-N) Matrix Spike Dup Source sample: 21J0434-02 (Matrix Spike Dup)

Prepared & Analyzed: 10/12/2021

n-Propylbenzene	12		ug/L	10.0	0.0	122	66-134		9.87	30	
o-Xylene	12		"	10.0	0.0	122	69-126		13.7	30	
p- & m- Xylenes	25		"	20.0	0.0	124	67-130		12.9	30	
p-Isopropyltoluene	12		"	10.0	0.0	120	64-137		12.9	30	
sec-Butylbenzene	13		"	10.0	0.0	126	53-155		12.7	30	
Styrene	12		"	10.0	0.0	124	69-125		13.6	30	
tert-Butyl alcohol (TBA)	11		"	50.0	0.0	22.0	10-130		14.8	30	
tert-Butylbenzene	10		"	10.0	0.0	105	65-139		14.0	30	
Tetrachloroethylene	11		"	10.0	0.0	113	64-139		11.9	30	
Toluene	12		"	10.0	0.0	122	76-123		13.7	30	
trans-1,2-Dichloroethylene	13		"	10.0	0.0	126	79-131		9.07	30	
trans-1,3-Dichloropropylene	12		"	10.0	0.0	119	55-130		15.4	30	
trans-1,4-dichloro-2-butene	13		"	10.0	0.0	130	25-155		15.2	30	
Trichloroethylene	12		"	10.0	0.0	122	53-145		13.2	30	
Trichlorofluoromethane	12		"	10.0	0.0	123	61-142		8.37	30	
Vinyl Chloride	13		"	10.0	0.0	134	31-165		6.73	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	10.2		"	10.0		102	69-130				
Surrogate: SURR: Toluene-d8	10.4		"	10.0		104	81-117				
Surrogate: SURR: p-Bromofluorobenzene	9.91		"	10.0		99.1	79-122				

Batch BJ10759 - EPA 5030B

Blank (BJ10759-BLK1)

Blank

Prepared & Analyzed: 10/13/2021

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	"
Bromochloromethane	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

Batch BJ10759 - EPA 5030B

Blank (BJ10759-BLK1)	Blank								Prepared & Analyzed: 10/13/2021		
Bromodichloromethane	ND	0.50	ug/L								
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	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	10.3		"	10.0		103	69-130				
Surrogate: SURR: Toluene-d8	10.1		"	10.0		101	81-117				
Surrogate: SURR: p-Bromofluorobenzene	10.5		"	10.0		105	79-122				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ10759 - EPA 5030B											
LCS (BJ10759-BS1)	LCS		Prepared & Analyzed: 10/13/2021								
1,1,1,2-Tetrachloroethane	11		ug/L	10.0		107	82-126				
1,1,1-Trichloroethane	10		"	10.0		99.8	78-136				
1,1,2,2-Tetrachloroethane	11		"	10.0		106	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11		"	10.0		107	54-165				
1,1,2-Trichloroethane	9.6		"	10.0		96.3	82-123				
1,1-Dichloroethane	9.8		"	10.0		97.8	82-129				
1,1-Dichloroethylene	10		"	10.0		105	68-138				
1,2,3-Trichlorobenzene	9.9		"	10.0		99.4	40-130				
1,2,3-Trichloropropane	11		"	10.0		106	77-128				
1,2,4-Trichlorobenzene	11		"	10.0		106	65-137				
1,2,4-Trimethylbenzene	12		"	10.0		122	82-132				
1,2-Dibromo-3-chloropropane	9.7		"	10.0		97.3	45-147				
1,2-Dibromoethane	9.8		"	10.0		98.0	83-124				
1,2-Dichlorobenzene	11		"	10.0		111	79-123				
1,2-Dichloroethane	9.2		"	10.0		91.8	73-132				
1,2-Dichloropropane	11		"	10.0		105	78-126				
1,3,5-Trimethylbenzene	12		"	10.0		124	80-131				
1,3-Dichlorobenzene	11		"	10.0		114	86-130				
1,4-Dichlorobenzene	11		"	10.0		111	85-130				
1,4-Dioxane	210		"	210		101	10-349				
2-Butanone	8.7		"	10.0		86.6	49-152				
2-Hexanone	7.9		"	10.0		79.1	51-146				
4-Methyl-2-pentanone	7.8		"	10.0		78.1	57-145				
Acetone	8.5		"	10.0		85.3	14-150				
Acrolein	7.2		"	10.0		72.3	10-153				
Acrylonitrile	8.8		"	10.0		87.8	51-150				
Benzene	10		"	10.0		102	85-126				
Bromochloromethane	9.6		"	10.0		96.0	77-128				
Bromodichloromethane	10		"	10.0		100	79-128				
Bromoform	9.5		"	10.0		95.3	78-133				
Bromomethane	10		"	10.0		103	43-168				
Carbon disulfide	11		"	10.0		112	68-146				
Carbon tetrachloride	11		"	10.0		105	77-141				
Chlorobenzene	11		"	10.0		107	88-120				
Chloroethane	10		"	10.0		101	65-136				
Chloroform	9.8		"	10.0		98.1	82-128				
Chloromethane	9.0		"	10.0		89.5	43-155				
cis-1,2-Dichloroethylene	10		"	10.0		101	83-129				
cis-1,3-Dichloropropylene	10		"	10.0		100	80-131				
Cyclohexane	8.6		"	10.0		86.0	63-149				
Dibromochloromethane	9.7		"	10.0		97.3	80-130				
Dibromomethane	9.8		"	10.0		97.6	72-134				
Dichlorodifluoromethane	10		"	10.0		104	44-144				
Ethyl Benzene	11		"	10.0		111	80-131				
Hexachlorobutadiene	10		"	10.0		102	67-146				
Isopropylbenzene	12		"	10.0		121	76-140				
Methyl acetate	7.8		"	10.0		77.6	51-139				
Methyl tert-butyl ether (MTBE)	8.5		"	10.0		84.7	76-135				
Methylcyclohexane	10		"	10.0		103	72-143				
Methylene chloride	9.6		"	10.0		95.5	55-137				
n-Butylbenzene	14		"	10.0		136	79-132	High Bias			



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ10759 - EPA 5030B											
LCS (BJ10759-BS1)	LCS		Prepared & Analyzed: 10/13/2021								
n-Propylbenzene	12		ug/L	10.0		120	78-133				
o-Xylene	11		"	10.0		109	78-130				
p- & m- Xylenes	22		"	20.0		111	77-133				
p-Isopropyltoluene	12		"	10.0		122	81-136				
sec-Butylbenzene	12		"	10.0		125	79-137				
Styrene	11		"	10.0		110	67-132				
tert-Butyl alcohol (TBA)	7.8		"	50.0		15.5	25-162	Low Bias			
tert-Butylbenzene	10		"	10.0		104	77-138				
Tetrachloroethylene	10		"	10.0		105	82-131				
Toluene	11		"	10.0		109	80-127				
trans-1,2-Dichloroethylene	11		"	10.0		107	80-132				
trans-1,3-Dichloropropylene	9.5		"	10.0		95.1	78-131				
trans-1,4-dichloro-2-butene	11		"	10.0		107	63-141				
Trichloroethylene	11		"	10.0		107	82-128				
Trichlorofluoromethane	10		"	10.0		101	67-139				
Vinyl Chloride	11		"	10.0		106	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	8.99		"	10.0		89.9	69-130				
Surrogate: SURR: Toluene-d8	10.5		"	10.0		105	81-117				
Surrogate: SURR: p-Bromofluorobenzene	10.8		"	10.0		108	79-122				
LCS Dup (BJ10759-BS1)	LCS Dup		Prepared & Analyzed: 10/13/2021								
1,1,1,2-Tetrachloroethane	11		ug/L	10.0		108	82-126		0.837	30	
1,1,1-Trichloroethane	9.7		"	10.0		96.7	78-136		3.16	30	
1,1,2,2-Tetrachloroethane	12		"	10.0		116	76-129		9.39	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10		"	10.0		104	54-165		3.31	30	
1,1,2-Trichloroethane	11		"	10.0		108	82-123		11.9	30	
1,1-Dichloroethane	9.8		"	10.0		98.0	82-129		0.204	30	
1,1-Dichloroethylene	10		"	10.0		101	68-138		4.18	30	
1,2,3-Trichlorobenzene	11		"	10.0		106	40-130		6.80	30	
1,2,3-Trichloropropane	11		"	10.0		114	77-128		7.10	30	
1,2,4-Trichlorobenzene	11		"	10.0		110	65-137		3.98	30	
1,2,4-Trimethylbenzene	11		"	10.0		110	82-132		9.90	30	
1,2-Dibromo-3-chloropropane	11		"	10.0		108	45-147		10.1	30	
1,2-Dibromoethane	11		"	10.0		110	83-124		11.4	30	
1,2-Dichlorobenzene	11		"	10.0		108	79-123		3.29	30	
1,2-Dichloroethane	10		"	10.0		102	73-132		10.9	30	
1,2-Dichloropropane	11		"	10.0		105	78-126		0.190	30	
1,3,5-Trimethylbenzene	11		"	10.0		111	80-131		10.5	30	
1,3-Dichlorobenzene	11		"	10.0		108	86-130		5.86	30	
1,4-Dichlorobenzene	11		"	10.0		106	85-130		4.69	30	
1,4-Dioxane	300		"	210		145	10-349		35.5	30	Non-dir.
2-Butanone	11		"	10.0		105	49-152		19.4	30	
2-Hexanone	9.8		"	10.0		97.6	51-146		20.9	30	
4-Methyl-2-pentanone	9.6		"	10.0		95.7	57-145		20.3	30	
Acetone	10		"	10.0		99.5	14-150		15.4	30	
Acrolein	8.5		"	10.0		84.6	10-153		15.7	30	
Acrylonitrile	11		"	10.0		112	51-150		23.9	30	
Benzene	10		"	10.0		103	85-126		1.17	30	
Bromochloromethane	10		"	10.0		104	77-128		7.81	30	
Bromodichloromethane	10		"	10.0		102	79-128		1.68	30	
Bromoform	11		"	10.0		109	78-133		13.3	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 BJ10759 - EPA 5030B											
LCS Dup (BJ10759-BSD1)	LCS Dup		Prepared & Analyzed: 10/13/2021								
Bromomethane	9.9		ug/L	10.0		99.4	43-168		3.85	30	
Carbon disulfide	11		"	10.0		108	68-146		3.18	30	
Carbon tetrachloride	10		"	10.0		102	77-141		3.57	30	
Chlorobenzene	11		"	10.0		106	88-120		1.13	30	
Chloroethane	9.8		"	10.0		98.5	65-136		2.70	30	
Chloroform	10		"	10.0		100	82-128		2.42	30	
Chloromethane	9.0		"	10.0		89.5	43-155		0.00	30	
cis-1,2-Dichloroethylene	10		"	10.0		102	83-129		0.885	30	
cis-1,3-Dichloropropylene	10		"	10.0		104	80-131		3.33	30	
Cyclohexane	8.5		"	10.0		84.9	63-149		1.29	30	
Dibromochloromethane	11		"	10.0		108	80-130		10.7	30	
Dibromomethane	11		"	10.0		106	72-134		8.44	30	
Dichlorodifluoromethane	10		"	10.0		101	44-144		2.94	30	
Ethyl Benzene	11		"	10.0		107	80-131		3.85	30	
Hexachlorobutadiene	10		"	10.0		101	67-146		1.77	30	
Isopropylbenzene	11		"	10.0		107	76-140		12.1	30	
Methyl acetate	9.7		"	10.0		96.9	51-139		22.1	30	
Methyl tert-butyl ether (MTBE)	11		"	10.0		106	76-135		22.5	30	
Methylcyclohexane	9.7		"	10.0		97.3	72-143		5.79	30	
Methylene chloride	10		"	10.0		99.5	55-137		4.10	30	
n-Butylbenzene	13		"	10.0		125	79-132		8.05	30	
n-Propylbenzene	11		"	10.0		106	78-133		12.6	30	
o-Xylene	11		"	10.0		107	78-130		1.11	30	
p- & m- Xylenes	21		"	20.0		107	77-133		3.84	30	
p-Isopropyltoluene	11		"	10.0		110	81-136		10.3	30	
sec-Butylbenzene	11		"	10.0		112	79-137		11.1	30	
Styrene	11		"	10.0		112	67-132		1.63	30	
tert-Butyl alcohol (TBA)	8.8		"	50.0		17.6	25-162	Low Bias	12.4	30	
tert-Butylbenzene	9.4		"	10.0		93.6	77-138		10.3	30	
Tetrachloroethylene	9.9		"	10.0		98.6	82-131		6.00	30	
Toluene	10		"	10.0		104	80-127		4.87	30	
trans-1,2-Dichloroethylene	10		"	10.0		104	80-132		2.93	30	
trans-1,3-Dichloropropylene	10		"	10.0		105	78-131		9.61	30	
trans-1,4-dichloro-2-butene	11		"	10.0		114	63-141		6.08	30	
Trichloroethylene	10		"	10.0		101	82-128		5.96	30	
Trichlorofluoromethane	9.8		"	10.0		97.7	67-139		3.22	30	
Vinyl Chloride	9.5		"	10.0		95.1	58-145		11.2	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	10.5		"	10.0		105	69-130				
Surrogate: SURR: Toluene-d8	10.2		"	10.0		102	81-117				
Surrogate: SURR: p-Bromofluorobenzene	10.3		"	10.0		103	79-122				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ10759 - EPA 5030B											
Matrix Spike (BJ10759-MS1)	Matrix Spike	*Source sample: 21J0487-01 (Matrix Spike)					Prepared & Analyzed: 10/13/2021				
1,1,1,2-Tetrachloroethane	11		ug/L	10.0	0.0	112	45-161				
1,1,1-Trichloroethane	10		"	10.0	0.0	104	70-146				
1,1,2,2-Tetrachloroethane	13		"	10.0	0.0	127	74-121	High Bias			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12		"	10.0	0.0	116	21-217				
1,1,2-Trichloroethane	13		"	10.0	0.0	129	59-146				
1,1-Dichloroethane	9.6		"	10.0	0.0	96.4	54-146				
1,1-Dichloroethylene	11		"	10.0	0.0	111	44-165				
1,2,3-Trichlorobenzene	10		"	10.0	0.0	105	40-161				
1,2,3-Trichloropropane	12		"	10.0	0.0	124	74-127				
1,2,4-Trichlorobenzene	11		"	10.0	0.0	106	41-161				
1,2,4-Trimethylbenzene	17		"	10.0	13	39.6	72-129	Low Bias			
1,2-Dibromo-3-chloropropane	16		"	10.0	0.0	165	31-151	High Bias			
1,2-Dibromoethane	12		"	10.0	0.0	118	75-125				
1,2-Dichlorobenzene	11		"	10.0	0.0	107	63-122				
1,2-Dichloroethane	11		"	10.0	0.0	113	68-131				
1,2-Dichloropropane	12		"	10.0	0.0	118	77-121				
1,3,5-Trimethylbenzene	14		"	10.0	4.7	88.3	69-126				
1,3-Dichlorobenzene	11		"	10.0	0.0	107	74-119				
1,4-Dichlorobenzene	10		"	10.0	0.0	105	70-124				
1,4-Dioxane	350		"	210	0.0	166	10-310				
2-Butanone	8.9		"	10.0	0.0	88.8	10-193				
2-Hexanone	13		"	10.0	0.0	127	53-133				
4-Methyl-2-pentanone	13		"	10.0	0.0	125	38-150				
Acetone	14		"	10.0	18	NR	13-149	Low Bias			
Acrolein	0.0		"	10.0	0.0		10-195	Low Bias			
Acrylonitrile	11		"	10.0	0.0	112	37-165				
Benzene	57		"	10.0	98	NR	38-155	Low Bias			
Bromochloromethane	10		"	10.0	0.0	99.8	75-121				
Bromodichloromethane	11		"	10.0	0.0	115	70-129				
Bromoform	11		"	10.0	0.0	113	66-136				
Bromomethane	9.0		"	10.0	0.0	90.1	30-158				
Carbon disulfide	12		"	10.0	0.0	116	10-138				
Carbon tetrachloride	11		"	10.0	0.0	107	71-146				
Chlorobenzene	11		"	10.0	0.0	114	81-117				
Chloroethane	9.6		"	10.0	0.0	95.7	51-145				
Chloroform	11		"	10.0	0.0	114	80-124				
Chloromethane	11		"	10.0	0.0	107	16-163				
cis-1,2-Dichloroethylene	11		"	10.0	0.0	106	76-125				
cis-1,3-Dichloropropylene	11		"	10.0	0.0	113	58-131				
Cyclohexane	35		"	10.0	27	81.2	70-130				
Dibromochloromethane	11		"	10.0	0.0	112	71-129				
Dibromomethane	11		"	10.0	0.0	113	76-120				
Dichlorodifluoromethane	11		"	10.0	0.0	110	30-147				
Ethyl Benzene	15		"	10.0	8.0	71.5	72-128	Low Bias			
Hexachlorobutadiene	12		"	10.0	0.0	116	34-166				
Isopropylbenzene	41		"	10.0	62	NR	66-139	Low Bias			
Methyl acetate	9.6		"	10.0	0.0	96.3	10-200				
Methyl tert-butyl ether (MTBE)	15		"	10.0	10	45.2	75-128	Low Bias			
Methylcyclohexane	30		"	10.0	45	NR	70-130	Low Bias			
Methylene chloride	9.6		"	10.0	0.0	96.0	57-128				
n-Butylbenzene	19		"	10.0	13	62.3	61-138				



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 BJ10759 - EPA 5030B											
Matrix Spike (BJ10759-MS1)	Matrix Spike	*Source sample: 21J0487-01 (Matrix Spike)					Prepared & Analyzed: 10/13/2021				
n-Propylbenzene	83		ug/L	10.0	150	NR	66-134	Low Bias			
o-Xylene	16		"	10.0	12	44.9	69-126	Low Bias			
p- & m- Xylenes	43		"	20.0	45	NR	67-130	Low Bias			
p-Isopropyltoluene	19		"	10.0	17	19.6	64-137	Low Bias			
sec-Butylbenzene	16		"	10.0	8.8	73.1	53-155				
Styrene	12		"	10.0	0.0	122	69-125				
tert-Butyl alcohol (TBA)	15		"	50.0	0.0	30.4	10-130				
tert-Butylbenzene	9.8		"	10.0	0.0	98.3	65-139				
Tetrachloroethylene	11		"	10.0	0.0	113	64-139				
Toluene	18		"	10.0	14	40.6	76-123	Low Bias			
trans-1,2-Dichloroethylene	11		"	10.0	0.0	109	79-131				
trans-1,3-Dichloropropylene	11		"	10.0	0.0	113	55-130				
trans-1,4-dichloro-2-butene	12		"	10.0	0.0	119	25-155				
Trichloroethylene	13		"	10.0	0.0	126	53-145				
Trichlorofluoromethane	11		"	10.0	0.0	109	61-142				
Vinyl Chloride	11		"	10.0	0.0	112	31-165				
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>9.28</i>		<i>"</i>	<i>10.0</i>		<i>92.8</i>	<i>69-130</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>10.2</i>		<i>"</i>	<i>10.0</i>		<i>102</i>	<i>81-117</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>9.70</i>		<i>"</i>	<i>10.0</i>		<i>97.0</i>	<i>79-122</i>				
Matrix Spike Dup (BJ10759-MS1)	Matrix Spike Dup	*Source sample: 21J0487-01 (Matrix Spike Dup)					Prepared & Analyzed: 10/13/2021				
1,1,1,2-Tetrachloroethane	9.2		ug/L	10.0	0.0	92.3	45-161		19.3	30	
1,1,1-Trichloroethane	8.5		"	10.0	0.0	84.8	70-146		20.0	30	
1,1,2,2-Tetrachloroethane	10		"	10.0	0.0	104	74-121		19.7	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.4		"	10.0	0.0	93.9	21-217		20.6	30	
1,1,2-Trichloroethane	11		"	10.0	0.0	108	59-146		17.7	30	
1,1-Dichloroethane	8.0		"	10.0	0.0	80.1	54-146		18.5	30	
1,1-Dichloroethylene	9.2		"	10.0	0.0	91.7	44-165		18.9	30	
1,2,3-Trichlorobenzene	8.9		"	10.0	0.0	89.4	40-161		16.0	30	
1,2,3-Trichloropropane	10		"	10.0	0.0	101	74-127		19.7	30	
1,2,4-Trichlorobenzene	9.0		"	10.0	0.0	90.0	41-161		16.7	30	
1,2,4-Trimethylbenzene	16		"	10.0	13	32.0	72-129	Low Bias	21.2	30	
1,2-Dibromo-3-chloropropane	15		"	10.0	0.0	152	31-151	High Bias	7.95	30	
1,2-Dibromoethane	9.7		"	10.0	0.0	96.9	75-125		19.7	30	
1,2-Dichlorobenzene	8.9		"	10.0	0.0	88.8	63-122		18.7	30	
1,2-Dichloroethane	9.9		"	10.0	0.0	98.6	68-131		13.7	30	
1,2-Dichloropropane	10		"	10.0	0.0	101	77-121		15.9	30	
1,3,5-Trimethylbenzene	12		"	10.0	4.7	72.3	69-126		19.9	30	
1,3-Dichlorobenzene	8.8		"	10.0	0.0	87.7	74-119		20.2	30	
1,4-Dichlorobenzene	8.8		"	10.0	0.0	87.6	70-124		18.1	30	
1,4-Dioxane	280		"	210	0.0	134	10-310		21.5	30	
2-Butanone	8.8		"	10.0	0.0	87.8	10-193		1.13	30	
2-Hexanone	11		"	10.0	0.0	110	53-133		13.7	30	
4-Methyl-2-pentanone	17		"	10.0	0.0	167	38-150	High Bias	28.8	30	
Acetone	15		"	10.0	18	NR	13-149	Low Bias	NR	30	
Acrolein	0.0		"	10.0	0.0		10-195	Low Bias		30	
Acrylonitrile	8.4		"	10.0	0.0	83.9	37-165		28.6	30	
Benzene	63		"	10.0	98	NR	38-155	Low Bias	NR	30	
Bromochloromethane	8.2		"	10.0	0.0	82.0	75-121		19.6	30	
Bromodichloromethane	9.9		"	10.0	0.0	99.1	70-129		14.5	30	
Bromoform	9.2		"	10.0	0.0	91.5	66-136		20.9	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ10759 - EPA 5030B											
Matrix Spike Dup (BJ10759-A) Matrix Spike Dup						Source sample: 21J0487-01 (Matrix Spike Dup)					
						Prepared & Analyzed: 10/13/2021					
Bromomethane	7.9		ug/L	10.0	0.0	79.1	30-158		13.0	30	
Carbon disulfide	9.7		"	10.0	0.0	96.8	10-138		18.0	30	
Carbon tetrachloride	8.9		"	10.0	0.0	89.2	71-146		18.1	30	
Chlorobenzene	9.5		"	10.0	0.0	94.8	81-117		18.4	30	
Chloroethane	7.9		"	10.0	0.0	79.1	51-145		19.0	30	
Chloroform	9.8		"	10.0	0.0	97.9	80-124		15.2	30	
Chloromethane	9.2		"	10.0	0.0	92.5	16-163		14.9	30	
cis-1,2-Dichloroethylene	8.6		"	10.0	0.0	85.5	76-125		21.8	30	
cis-1,3-Dichloropropylene	9.4		"	10.0	0.0	94.2	58-131		18.1	30	
Cyclohexane	39		"	10.0	27	113	70-130		32.5	30	Non-dir.
Dibromochloromethane	9.4		"	10.0	0.0	94.1	71-129		17.8	30	
Dibromomethane	9.2		"	10.0	0.0	92.1	76-120		20.0	30	
Dichlorodifluoromethane	9.0		"	10.0	0.0	90.1	30-147		20.2	30	
Ethyl Benzene	14		"	10.0	8.0	56.9	72-128	Low Bias	22.7	30	
Hexachlorobutadiene	10		"	10.0	0.0	103	34-166		12.2	30	
Isopropylbenzene	43		"	10.0	62	NR	66-139	Low Bias	NR	30	
Methyl acetate	7.7		"	10.0	0.0	77.3	10-200		21.9	30	
Methyl tert-butyl ether (MTBE)	14		"	10.0	10	36.9	75-128	Low Bias	20.2	30	
Methylcyclohexane	32		"	10.0	45	NR	70-130	Low Bias	NR	30	
Methylene chloride	7.9		"	10.0	0.0	79.1	57-128		19.3	30	
n-Butylbenzene	18		"	10.0	13	45.1	61-138	Low Bias	32.0	30	Non-dir.
n-Propylbenzene	88		"	10.0	150	NR	66-134	Low Bias	NR	30	
o-Xylene	15		"	10.0	12	34.2	69-126	Low Bias	27.1	30	
p- & m- Xylenes	43		"	20.0	45	NR	67-130	Low Bias	NR	30	
p-Isopropyltoluene	18		"	10.0	17	16.5	64-137	Low Bias	17.2	30	
sec-Butylbenzene	14		"	10.0	8.8	55.3	53-155		27.7	30	
Styrene	10		"	10.0	0.0	102	69-125		18.6	30	
tert-Butyl alcohol (TBA)	14		"	50.0	0.0	27.7	10-130		9.35	30	
tert-Butylbenzene	8.2		"	10.0	0.0	81.8	65-139		18.3	30	
Tetrachloroethylene	9.3		"	10.0	0.0	92.8	64-139		19.5	30	
Toluene	17		"	10.0	14	29.3	76-123	Low Bias	32.3	30	Non-dir.
trans-1,2-Dichloroethylene	9.2		"	10.0	0.0	91.5	79-131		17.4	30	
trans-1,3-Dichloropropylene	9.2		"	10.0	0.0	92.2	55-130		20.0	30	
trans-1,4-dichloro-2-butene	9.6		"	10.0	0.0	96.1	25-155		21.0	30	
Trichloroethylene	11		"	10.0	0.0	108	53-145		15.7	30	
Trichlorofluoromethane	9.0		"	10.0	0.0	89.8	61-142		19.0	30	
Vinyl Chloride	9.4		"	10.0	0.0	93.6	31-165		17.9	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	9.37		"	10.0		93.7	69-130				
Surrogate: SURR: Toluene-d8	10.0		"	10.0		100	81-117				
Surrogate: SURR: p-Bromofluorobenzene	9.77		"	10.0		97.7	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 BJ10876 - EPA 3510C

Blank (BJ10876-BLK1)	Blank	Prepared: 10/15/2021 Analyzed: 10/18/2021									
1,1-Biphenyl	ND	5.00	ug/L								
1,2,4,5-Tetrachlorobenzene	ND	5.00	"								
1,2,4-Trichlorobenzene	ND	5.00	"								
1,2-Dichlorobenzene	ND	5.00	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"								
1,3-Dichlorobenzene	ND	5.00	"								
1,4-Dichlorobenzene	ND	5.00	"								
2,3,4,6-Tetrachlorophenol	ND	5.00	"								
2,4,5-Trichlorophenol	ND	5.00	"								
2,4,6-Trichlorophenol	ND	5.00	"								
2,4-Dichlorophenol	ND	5.00	"								
2,4-Dimethylphenol	ND	5.00	"								
2,4-Dinitrophenol	ND	5.00	"								
2,4-Dinitrotoluene	ND	5.00	"								
2,6-Dinitrotoluene	ND	5.00	"								
2-Chloronaphthalene	ND	5.00	"								
2-Chlorophenol	ND	5.00	"								
2-Methylnaphthalene	ND	5.00	"								
2-Methylphenol	ND	5.00	"								
2-Nitroaniline	ND	5.00	"								
2-Nitrophenol	ND	5.00	"								
3- & 4-Methylphenols	ND	5.00	"								
3,3-Dichlorobenzidine	ND	5.00	"								
3-Nitroaniline	ND	5.00	"								
4,6-Dinitro-2-methylphenol	ND	5.00	"								
4-Bromophenyl phenyl ether	ND	5.00	"								
4-Chloro-3-methylphenol	ND	5.00	"								
4-Chloroaniline	ND	5.00	"								
4-Chlorophenyl phenyl ether	ND	5.00	"								
4-Nitroaniline	ND	5.00	"								
4-Nitrophenol	ND	5.00	"								
Acenaphthene	ND	0.0500	"								
Acenaphthylene	ND	0.0500	"								
Acetophenone	ND	5.00	"								
Aniline	ND	5.00	"								
Anthracene	ND	0.0500	"								
Atrazine	ND	0.500	"								
Benzaldehyde	ND	5.00	"								
Benzidine	ND	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	5.00	"								
Bis(2-chloroisopropyl)ether	ND	5.00	"								
Bis(2-ethylhexyl)phthalate	0.880	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

Batch BJ10876 - EPA 3510C

Blank (BJ10876-BLK1)	Blank										Prepared: 10/15/2021 Analyzed: 10/18/2021
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	"								
Diphenylamine	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	5.00	"								
Pyrene	ND	0.0500	"								
Surrogate: SURR: 2-Fluorophenol	16.6		"	50.0		33.2	19.7-63.1				
Surrogate: SURR: Phenol-d5	8.91		"	50.0		17.8	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	19.8		"	25.0		79.2	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	18.0		"	25.0		71.9	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	75.5		"	50.0		151	39.3-151				
Surrogate: SURR: Terphenyl-d14	28.4		"	25.0		113	30.7-106				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BJ10876 - EPA 3510C

Blank (BJ10876-BLK2)	Blank	Prepared: 10/15/2021 Analyzed: 10/18/2021									
1,1-Biphenyl	ND	5.00	ug/L								
1,2,4,5-Tetrachlorobenzene	ND	5.00	"								
1,2,4-Trichlorobenzene	ND	5.00	"								
1,2-Dichlorobenzene	ND	5.00	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"								
1,3-Dichlorobenzene	ND	5.00	"								
1,4-Dichlorobenzene	ND	5.00	"								
2,3,4,6-Tetrachlorophenol	ND	5.00	"								
2,4,5-Trichlorophenol	ND	5.00	"								
2,4,6-Trichlorophenol	ND	5.00	"								
2,4-Dichlorophenol	ND	5.00	"								
2,4-Dimethylphenol	ND	5.00	"								
2,4-Dinitrophenol	ND	5.00	"								
2,4-Dinitrotoluene	ND	5.00	"								
2,6-Dinitrotoluene	ND	5.00	"								
2-Chloronaphthalene	ND	5.00	"								
2-Chlorophenol	ND	5.00	"								
2-Methylnaphthalene	ND	5.00	"								
2-Methylphenol	ND	5.00	"								
2-Nitroaniline	ND	5.00	"								
2-Nitrophenol	ND	5.00	"								
3- & 4-Methylphenols	ND	5.00	"								
3,3-Dichlorobenzidine	ND	5.00	"								
3-Nitroaniline	ND	5.00	"								
4,6-Dinitro-2-methylphenol	ND	5.00	"								
4-Bromophenyl phenyl ether	ND	5.00	"								
4-Chloro-3-methylphenol	ND	5.00	"								
4-Chloroaniline	ND	5.00	"								
4-Chlorophenyl phenyl ether	ND	5.00	"								
4-Nitroaniline	ND	5.00	"								
4-Nitrophenol	ND	5.00	"								
Acenaphthene	ND	0.0500	"								
Acenaphthylene	ND	0.0500	"								
Acetophenone	ND	5.00	"								
Aniline	ND	5.00	"								
Anthracene	ND	0.0500	"								
Atrazine	ND	0.500	"								
Benzaldehyde	ND	5.00	"								
Benzidine	ND	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	5.00	"								
Bis(2-chloroisopropyl)ether	ND	5.00	"								
Bis(2-ethylhexyl)phthalate	0.630	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

Batch BJ10876 - EPA 3510C

Blank (BJ10876-BLK2)	Blank	Prepared: 10/15/2021 Analyzed: 10/18/2021									
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	"								
Diphenylamine	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	5.00	"								
Pyrene	ND	0.0500	"								
Surrogate: SURR: 2-Fluorophenol	0.00		"	50.0			19.7-63.1				
Surrogate: SURR: Phenol-d5	0.00		"	50.0			10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	0.00		"	25.0			50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	0.00		"	25.0			39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	0.00		"	50.0			39.3-151				
Surrogate: SURR: Terphenyl-d14	0.00		"	25.0			30.7-106				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ10876 - EPA 3510C											
LCS (BJ10876-BS1)	LCS	Prepared: 10/15/2021 Analyzed: 10/18/2021									
1,1-Biphenyl	18.6	5.00	ug/L	25.0		74.3	21-102				
1,2,4,5-Tetrachlorobenzene	23.3	5.00	"	50.0		46.5	28-105				
1,2,4-Trichlorobenzene	19.4	5.00	"	25.0		77.8	35-91				
1,2-Dichlorobenzene	16.3	5.00	"	25.0		65.2	42-85				
1,2-Diphenylhydrazine (as Azobenzene)	16.8	5.00	"	25.0		67.2	16-137				
1,3-Dichlorobenzene	15.5	5.00	"	25.0		62.1	45-80				
1,4-Dichlorobenzene	16.0	5.00	"	25.0		64.2	42-82				
2,3,4,6-Tetrachlorophenol	22.0	5.00	"	25.0		87.9	30-130				
2,4,5-Trichlorophenol	23.1	5.00	"	25.0		92.4	36-112				
2,4,6-Trichlorophenol	22.3	5.00	"	25.0		89.3	41-107				
2,4-Dichlorophenol	22.0	5.00	"	25.0		87.9	43-92				
2,4-Dimethylphenol	17.4	5.00	"	25.0		69.7	25-92				
2,4-Dinitrophenol	15.2	5.00	"	25.0		60.9	10-149				
2,4-Dinitrotoluene	23.7	5.00	"	25.0		94.7	41-114				
2,6-Dinitrotoluene	23.9	5.00	"	25.0		95.6	49-106				
2-Chloronaphthalene	18.2	5.00	"	25.0		72.6	40-96				
2-Chlorophenol	16.2	5.00	"	25.0		64.6	35-84				
2-Methylnaphthalene	20.1	5.00	"	25.0		80.3	33-101				
2-Methylphenol	14.6	5.00	"	25.0		58.3	10-90				
2-Nitroaniline	21.0	5.00	"	25.0		84.1	31-122				
2-Nitrophenol	24.0	5.00	"	25.0		95.9	37-97				
3- & 4-Methylphenols	11.9	5.00	"	25.0		47.6	10-101				
3,3-Dichlorobenzidine	18.6	5.00	"	50.0		37.3	25-155				
3-Nitroaniline	19.2	5.00	"	25.0		77.0	29-128				
4,6-Dinitro-2-methylphenol	17.7	5.00	"	25.0		70.9	10-135				
4-Bromophenyl phenyl ether	22.9	5.00	"	25.0		91.6	38-116				
4-Chloro-3-methylphenol	22.3	5.00	"	25.0		89.1	28-101				
4-Chloroaniline	18.1	5.00	"	25.0		72.4	10-154				
4-Chlorophenyl phenyl ether	21.0	5.00	"	25.0		83.8	34-112				
4-Nitroaniline	19.4	5.00	"	25.0		77.6	15-143				
4-Nitrophenol	10.3	5.00	"	25.0		41.4	10-112				
Acenaphthene	18.5	0.0500	"	25.0		74.1	24-114				
Acenaphthylene	18.8	0.0500	"	25.0		75.4	26-112				
Acetophenone	18.2	5.00	"	25.0		72.6	47-92				
Aniline	13.2	5.00	"	25.0		52.8	10-107				
Anthracene	20.5	0.0500	"	25.0		82.1	35-114				
Atrazine	24.3	0.500	"	25.0		97.1	43-101				
Benzaldehyde	18.2	5.00	"	25.0		72.7	17-117				
Benzo(a)anthracene	20.5	0.0500	"	25.0		82.0	38-127				
Benzo(a)pyrene	18.6	0.0500	"	25.0		74.4	30-146				
Benzo(b)fluoranthene	18.5	0.0500	"	25.0		74.2	36-145				
Benzo(g,h,i)perylene	20.0	0.0500	"	25.0		80.0	10-163				
Benzo(k)fluoranthene	18.1	0.0500	"	25.0		72.6	16-149				
Benzoic acid	ND	50.0	"	25.0			30-130	Low Bias			
Benzyl alcohol	14.2	5.00	"	25.0		56.8	18-75				
Benzyl butyl phthalate	20.9	5.00	"	25.0		83.7	28-129				
Bis(2-chloroethoxy)methane	18.0	5.00	"	25.0		72.2	27-112				
Bis(2-chloroethyl)ether	17.0	5.00	"	25.0		68.1	24-114				
Bis(2-chloroisopropyl)ether	10.9	5.00	"	25.0		43.4	21-124				
Bis(2-ethylhexyl)phthalate	22.5	0.500	"	25.0		90.0	10-171				
Caprolactam	4.92	5.00	"	25.0		19.7	10-29				



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 BJ10876 - EPA 3510C

LCS (BJ10876-BS1)		Prepared: 10/15/2021 Analyzed: 10/18/2021									
LCS											
Carbazole	19.4	5.00	ug/L	25.0		77.6	49-116				
Chrysene	19.8	0.0500	"	25.0		79.2	33-120				
Dibenzo(a,h)anthracene	21.8	0.0500	"	25.0		87.3	10-149				
Dibenzofuran	19.5	5.00	"	25.0		78.1	42-105				
Diethyl phthalate	19.7	5.00	"	25.0		78.7	38-112				
Dimethyl phthalate	19.9	5.00	"	25.0		79.5	49-106				
Di-n-butyl phthalate	20.8	5.00	"	25.0		83.1	36-110				
Di-n-octyl phthalate	21.6	5.00	"	25.0		86.4	12-149				
Diphenylamine	21.2	5.00	"	25.0		84.9	40-140				
Fluoranthene	21.2	0.0500	"	25.0		85.0	33-126				
Fluorene	19.8	0.0500	"	25.0		79.2	28-117				
Hexachlorobenzene	17.1	0.0200	"	25.0		68.5	27-120				
Hexachlorobutadiene	20.2	0.500	"	25.0		80.8	25-106				
Hexachlorocyclopentadiene	9.25	5.00	"	25.0		37.0	10-99				
Hexachloroethane	14.7	0.500	"	25.0		58.9	33-84				
Indeno(1,2,3-cd)pyrene	19.9	0.0500	"	25.0		79.8	10-150				
Isophorone	18.6	5.00	"	25.0		74.5	29-115				
Naphthalene	18.1	0.0500	"	25.0		72.3	30-99				
Nitrobenzene	18.4	0.250	"	25.0		73.8	32-113				
N-Nitrosodimethylamine	5.51	0.500	"	25.0		22.0	10-63				
N-nitroso-di-n-propylamine	16.4	5.00	"	25.0		65.5	36-118				
N-Nitrosodiphenylamine	21.6	5.00	"	25.0		86.2	27-145				
Pentachlorophenol	22.6	0.250	"	25.0		90.4	19-127				
Phenanthrene	19.2	0.0500	"	25.0		77.0	31-112				
Phenol	7.51	5.00	"	25.0		30.0	10-37				
Pyrene	20.4	0.0500	"	25.0		81.8	42-125				
Surrogate: SURR: 2-Fluorophenol	18.2		"	50.0		36.5	19.7-63.1				
Surrogate: SURR: Phenol-d5	11.2		"	50.0		22.5	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	19.6		"	25.0		78.5	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	18.3		"	25.0		73.2	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	72.1		"	50.0		144	39.3-151				
Surrogate: SURR: Terphenyl-d14	24.0		"	25.0		95.8	30.7-106				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ10876 - EPA 3510C											
LCS (BJ10876-BS2)	LCS	Prepared: 10/15/2021 Analyzed: 10/18/2021									
1,1-Biphenyl	ND	5.00	ug/L				21-102				
1,2,4,5-Tetrachlorobenzene	ND	5.00	"				28-105				
1,2,4-Trichlorobenzene	ND	5.00	"				35-91				
1,2-Dichlorobenzene	ND	5.00	"				42-85				
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"				16-137				
1,3-Dichlorobenzene	ND	5.00	"				45-80				
1,4-Dichlorobenzene	ND	5.00	"				42-82				
2,3,4,6-Tetrachlorophenol	ND	5.00	"				30-130				
2,4,5-Trichlorophenol	ND	5.00	"				36-112				
2,4,6-Trichlorophenol	ND	5.00	"				41-107				
2,4-Dichlorophenol	ND	5.00	"				43-92				
2,4-Dimethylphenol	ND	5.00	"				25-92				
2,4-Dinitrophenol	ND	5.00	"				10-149				
2,4-Dinitrotoluene	ND	5.00	"				41-114				
2,6-Dinitrotoluene	ND	5.00	"				49-106				
2-Chloronaphthalene	ND	5.00	"				40-96				
2-Chlorophenol	ND	5.00	"				35-84				
2-Methylnaphthalene	ND	5.00	"				33-101				
2-Methylphenol	ND	5.00	"				10-90				
2-Nitroaniline	ND	5.00	"				31-122				
2-Nitrophenol	ND	5.00	"				37-97				
3- & 4-Methylphenols	ND	5.00	"				10-101				
3,3-Dichlorobenzidine	ND	5.00	"				25-155				
3-Nitroaniline	ND	5.00	"				29-128				
4,6-Dinitro-2-methylphenol	ND	5.00	"				10-135				
4-Bromophenyl phenyl ether	ND	5.00	"				38-116				
4-Chloro-3-methylphenol	ND	5.00	"				28-101				
4-Chloroaniline	ND	5.00	"				10-154				
4-Chlorophenyl phenyl ether	ND	5.00	"				34-112				
4-Nitroaniline	ND	5.00	"				15-143				
4-Nitrophenol	ND	5.00	"				10-112				
Acenaphthene	0.770	0.0500	"				24-114				
Acenaphthylene	0.830	0.0500	"				26-112				
Acetophenone	ND	5.00	"				47-92				
Aniline	ND	5.00	"				10-107				
Anthracene	0.580	0.0500	"				35-114				
Atrazine	ND	0.500	"				43-101				
Benzaldehyde	ND	5.00	"				17-117				
Benzo(a)anthracene	0.910	0.0500	"				38-127				
Benzo(a)pyrene	0.660	0.0500	"				30-146				
Benzo(b)fluoranthene	0.940	0.0500	"				36-145				
Benzo(g,h,i)perylene	1.05	0.0500	"				10-163				
Benzo(k)fluoranthene	0.880	0.0500	"				16-149				
Benzoic acid	ND	50.0	"				30-130				
Benzyl alcohol	ND	5.00	"				18-75				
Benzyl butyl phthalate	ND	5.00	"				28-129				
Bis(2-chloroethoxy)methane	ND	5.00	"				27-112				
Bis(2-chloroethyl)ether	ND	5.00	"				24-114				
Bis(2-chloroisopropyl)ether	ND	5.00	"				21-124				
Bis(2-ethylhexyl)phthalate	1.84	0.500	"				10-171				
Caprolactam	ND	5.00	"				10-29				



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 BJ10876 - EPA 3510C

LCS (BJ10876-BS2)	LCS	Prepared: 10/15/2021 Analyzed: 10/18/2021									
Carbazole	ND	5.00	ug/L				49-116				
Chrysene	0.950	0.0500	"				33-120				
Dibenzo(a,h)anthracene	1.05	0.0500	"				10-149				
Dibenzofuran	ND	5.00	"				42-105				
Diethyl phthalate	ND	5.00	"				38-112				
Dimethyl phthalate	ND	5.00	"				49-106				
Di-n-butyl phthalate	ND	5.00	"				36-110				
Di-n-octyl phthalate	ND	5.00	"				12-149				
Diphenylamine	ND	5.00	"				40-140				
Fluoranthene	0.950	0.0500	"				33-126				
Fluorene	0.840	0.0500	"				28-117				
Hexachlorobenzene	0.820	0.0200	"				27-120				
Hexachlorobutadiene	0.700	0.500	"				25-106				
Hexachlorocyclopentadiene	ND	5.00	"				10-99				
Hexachloroethane	0.590	0.500	"				33-84				
Indeno(1,2,3-cd)pyrene	1.04	0.0500	"				10-150				
Isophorone	ND	5.00	"				29-115				
Naphthalene	0.850	0.0500	"				30-99				
Nitrobenzene	0.880	0.250	"				32-113				
N-Nitrosodimethylamine	ND	0.500	"				10-63				
N-nitroso-di-n-propylamine	ND	5.00	"				36-118				
N-Nitrosodiphenylamine	ND	5.00	"				27-145				
Pentachlorophenol	0.550	0.250	"				19-127				
Phenanthrene	0.880	0.0500	"				31-112				
Phenol	ND	5.00	"				10-37				
Pyrene	0.900	0.0500	"				42-125				
Surrogate: SURR: 2-Fluorophenol	0.00		"	50.0			19.7-63.1				
Surrogate: SURR: Phenol-d5	0.00		"	50.0			10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	0.00		"	25.0			50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	0.00		"	25.0			39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	0.00		"	50.0			39.3-151				
Surrogate: SURR: Terphenyl-d14	0.00		"	25.0			30.7-106				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ10876 - EPA 3510C											
Matrix Spike (BJ10876-MS1)	Matrix Spike	*Source sample: 21J0487-01 (Matrix Spike)						Prepared: 10/15/2021 Analyzed: 10/18/2021			
1,1-Biphenyl	10.3	5.00	ug/L	25.0	ND	41.1	40-140	Low Bias			
1,2,4,5-Tetrachlorobenzene	10.9	5.00	"	50.0	ND	21.8	40-140				
1,2,4-Trichlorobenzene	9.19	5.00	"	25.0	ND	36.8	31-92				
1,2-Dichlorobenzene	8.95	5.00	"	25.0	ND	35.8	31-91				
1,2-Diphenylhydrazine (as Azobenzene)	10.8	5.00	"	25.0	ND	43.2	40-140				
1,3-Dichlorobenzene	7.46	5.00	"	25.0	ND	29.8	24-93				
1,4-Dichlorobenzene	8.22	5.00	"	25.0	ND	32.9	26-95				
2,3,4,6-Tetrachlorophenol	13.3	5.00	"	25.0	ND	53.3	30-130				
2,4,5-Trichlorophenol	12.2	5.00	"	25.0	ND	48.9	44-96				
2,4,6-Trichlorophenol	11.8	5.00	"	25.0	ND	47.0	39-107				
2,4-Dichlorophenol	10.2	5.00	"	25.0	ND	40.9	38-99	Low Bias			
2,4-Dimethylphenol	9.63	5.00	"	25.0	ND	38.5	10-116				
2,4-Dinitrophenol	20.9	5.00	"	25.0	ND	83.8	10-168				
2,4-Dinitrotoluene	13.9	5.00	"	25.0	ND	55.6	26-120				
2,6-Dinitrotoluene	15.1	5.00	"	25.0	ND	60.4	28-118				
2-Chloronaphthalene	9.80	5.00	"	25.0	ND	39.2	33-99				
2-Chlorophenol	8.21	5.00	"	25.0	ND	32.8	25-106				
2-Methylnaphthalene	13.4	5.00	"	25.0	3.14	41.2	29-102				
2-Methylphenol	7.79	5.00	"	25.0	ND	31.2	10-118				
2-Nitroaniline	14.3	5.00	"	25.0	ND	57.1	48-99				
2-Nitrophenol	11.6	5.00	"	25.0	ND	46.3	36-103	Low Bias			
3- & 4-Methylphenols	6.75	5.00	"	25.0	ND	27.0	10-102				
3,3-Dichlorobenzidine	ND	5.00	"	50.0	ND		10-140				
3-Nitroaniline	10.1	5.00	"	25.0	ND	40.4	10-169				
4,6-Dinitro-2-methylphenol	16.4	5.00	"	25.0	ND	65.7	10-142				
4-Bromophenyl phenyl ether	10.8	5.00	"	25.0	ND	43.0	35-109				
4-Chloro-3-methylphenol	11.8	5.00	"	25.0	ND	47.3	20-117				
4-Chloroaniline	6.31	5.00	"	25.0	ND	25.2	24-116				
4-Chlorophenyl phenyl ether	10.7	5.00	"	25.0	ND	42.8	31-112				
4-Nitroaniline	10.0	5.00	"	25.0	ND	40.0	24-143				
4-Nitrophenol	7.33	5.00	"	25.0	ND	29.3	10-119	Low Bias			
Acenaphthene	10.6	0.0500	"	25.0	0.278	41.2	17-132				
Acenaphthylene	10.0	0.0500	"	25.0	ND	40.0	13-124				
Acetophenone	11.8	5.00	"	25.0	ND	47.2	40-140				
Aniline	5.26	5.00	"	25.0	ND	21.0	10-133				
Anthracene	10.8	0.0500	"	25.0	ND	43.3	40-105				
Atrazine	11.2	0.500	"	25.0	ND	44.8	40-140				
Benzaldehyde	19.6	5.00	"	25.0	ND	78.6	40-140				
Benzo(a)anthracene	11.6	0.0500	"	25.0	ND	46.4	23-141				
Benzo(a)pyrene	12.0	0.0500	"	25.0	ND	47.9	46-118				
Benzo(b)fluoranthene	11.5	0.0500	"	25.0	ND	46.0	22-133	Low Bias			
Benzo(g,h,i)perylene	12.0	0.0500	"	25.0	ND	48.0	10-126				
Benzo(k)fluoranthene	12.1	0.0500	"	25.0	ND	48.4	18-152				
Benzoic acid	ND	50.0	"	25.0	ND		10-162				
Benzyl alcohol	6.85	5.00	"	25.0	ND	27.4	10-114				
Benzyl butyl phthalate	13.3	5.00	"	25.0	ND	53.1	31-121				
Bis(2-chloroethoxy)methane	10.5	5.00	"	25.0	ND	41.9	23-110				
Bis(2-chloroethyl)ether	8.98	5.00	"	25.0	ND	35.9	10-132				
Bis(2-chloroisopropyl)ether	9.54	5.00	"	25.0	ND	38.2	12-132				
Bis(2-ethylhexyl)phthalate	13.8	0.500	"	25.0	0.689	52.5	14-131				
Caprolactam	2.98	5.00	"	25.0	ND	11.9	40-140	Low Bias			



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BJ10876 - EPA 3510C

Matrix Spike (BJ10876-MS1)	Matrix Spike	*Source sample: 21J0487-01 (Matrix Spike)						Prepared: 10/15/2021 Analyzed: 10/18/2021			
Carbazole	11.4	5.00	ug/L	25.0	ND	45.6	10-169				
Chrysene	10.9	0.0500	"	25.0	ND	43.6	30-127				
Dibenzo(a,h)anthracene	12.5	0.0500	"	25.0	ND	49.8	10-131				
Dibenzofuran	10.9	5.00	"	25.0	ND	43.6	37-103				
Diethyl phthalate	11.5	5.00	"	25.0	ND	46.1	41-106				
Dimethyl phthalate	11.4	5.00	"	25.0	ND	45.8	38-105				
Di-n-butyl phthalate	12.2	5.00	"	25.0	ND	48.9	24-121				
Di-n-octyl phthalate	15.1	5.00	"	25.0	ND	60.6	25-141				
Diphenylamine	12.9	5.00	"	25.0	ND	51.5	40-140				
Fluoranthene	11.6	0.0500	"	25.0	ND	46.6	29-123				
Fluorene	10.8	0.0500	"	25.0	ND	43.0	20-133				
Hexachlorobenzene	10.9	0.0200	"	25.0	ND	43.5	24-120				
Hexachlorobutadiene	9.05	0.500	"	25.0	ND	36.2	26-98				
Hexachlorocyclopentadiene	7.08	5.00	"	25.0	ND	28.3	10-103				
Hexachloroethane	8.66	0.500	"	25.0	ND	34.6	11-102				
Indeno(1,2,3-cd)pyrene	11.5	0.0500	"	25.0	ND	46.0	10-130				
Isophorone	10.9	5.00	"	25.0	ND	43.6	19-113				
Naphthalene	10.7	0.0500	"	25.0	1.91	35.2	26-104				
Nitrobenzene	12.5	0.250	"	25.0	ND	49.9	25-107				
N-Nitrosodimethylamine	4.25	0.500	"	25.0	ND	17.0	10-110				
N-nitroso-di-n-propylamine	9.28	5.00	"	25.0	ND	37.1	16-127				
N-Nitrosodiphenylamine	12.7	5.00	"	25.0	ND	50.9	46-116				
Pentachlorophenol	13.4	0.250	"	25.0	ND	53.4	10-181				
Phenanthrene	11.2	0.0500	"	25.0	0.278	43.6	29-121				
Phenol	4.44	5.00	"	25.0	ND	17.8	10-107				
Pyrene	11.3	0.0500	"	25.0	ND	45.0	34-129				
Surrogate: SURR: 2-Fluorophenol	8.38		"	50.0		16.8	19.7-63.1				
Surrogate: SURR: Phenol-d5	5.62		"	50.0		11.2	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	11.2		"	25.0		44.8	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	9.36		"	25.0		37.4	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	23.0		"	50.0		46.0	39.3-151				
Surrogate: SURR: Terphenyl-d14	10.2		"	25.0		40.6	30.7-106				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ10876 - EPA 3510C											
Matrix Spike Dup (BJ10876-A) Matrix Spike Dup						Source sample: 21J0487-01 (Matrix Spike Dup) Prepared: 10/15/2021 Analyzed: 10/18/2021					
1,1-Biphenyl	10.5	5.26	ug/L	26.3	ND	39.8	40-140	Low Bias	1.77	20	
1,2,4,5-Tetrachlorobenzene	11.4	5.26	"	52.6	ND	21.6	40-140	Low Bias	4.30	20	
1,2,4-Trichlorobenzene	8.88	5.26	"	26.3	ND	33.8	31-92		3.38	20	
1,2-Dichlorobenzene	8.63	5.26	"	26.3	ND	32.8	31-91		3.62	20	
1,2-Diphenylhydrazine (as Azobenzene)	12.0	5.26	"	26.3	ND	45.5	40-140		10.4	20	
1,3-Dichlorobenzene	8.18	5.26	"	26.3	ND	31.1	24-93		9.19	20	
1,4-Dichlorobenzene	8.44	5.26	"	26.3	ND	32.1	26-95		2.67	20	
2,3,4,6-Tetrachlorophenol	14.1	5.26	"	26.3	ND	53.4	30-130		5.35	20	
2,4,5-Trichlorophenol	12.9	5.26	"	26.3	ND	49.2	44-96		5.62	20	
2,4,6-Trichlorophenol	11.6	5.26	"	26.3	ND	44.1	39-107		1.28	20	
2,4-Dichlorophenol	11.5	5.26	"	26.3	ND	43.7	38-99		11.7	20	
2,4-Dimethylphenol	9.83	5.26	"	26.3	ND	37.4	10-116		2.07	20	
2,4-Dinitrophenol	22.3	5.26	"	26.3	ND	84.9	10-168		6.50	20	
2,4-Dinitrotoluene	15.3	5.26	"	26.3	ND	58.2	26-120		9.62	20	
2,6-Dinitrotoluene	15.8	5.26	"	26.3	ND	59.9	28-118		4.26	20	
2-Chloronaphthalene	10.4	5.26	"	26.3	ND	39.5	33-99		5.84	20	
2-Chlorophenol	8.68	5.26	"	26.3	ND	33.0	25-106		5.61	20	
2-Methylnaphthalene	14.2	5.26	"	26.3	3.14	41.9	29-102		5.20	20	
2-Methylphenol	8.28	5.26	"	26.3	ND	31.5	10-118		6.15	20	
2-Nitroaniline	14.8	5.26	"	26.3	ND	56.1	48-99		3.43	20	
2-Nitrophenol	13.1	5.26	"	26.3	ND	49.6	36-103		12.0	20	
3- & 4-Methylphenols	6.93	5.26	"	26.3	ND	26.3	10-102		2.58	20	
3,3-Dichlorobenzidine	ND	5.26	"	52.6	ND		10-140	Low Bias		20	
3-Nitroaniline	11.1	5.26	"	26.3	ND	42.0	10-169		8.91	20	
4,6-Dinitro-2-methylphenol	18.7	5.26	"	26.3	ND	71.2	10-142		13.2	20	
4-Bromophenyl phenyl ether	12.3	5.26	"	26.3	ND	46.9	35-109		13.8	20	
4-Chloro-3-methylphenol	12.8	5.26	"	26.3	ND	48.7	20-117		8.04	20	
4-Chloroaniline	7.16	5.26	"	26.3	ND	27.2	24-116		12.6	20	
4-Chlorophenyl phenyl ether	11.0	5.26	"	26.3	ND	41.7	31-112		2.57	20	
4-Nitroaniline	10.4	5.26	"	26.3	ND	39.4	24-143		3.72	20	
4-Nitrophenol	7.68	5.26	"	26.3	ND	29.2	10-119		4.72	20	
Acenaphthene	11.3	0.0526	"	26.3	0.278	41.9	17-132		6.44	20	
Acenaphthylene	10.7	0.0526	"	26.3	ND	40.6	13-124		6.52	20	
Acetophenone	12.1	5.26	"	26.3	ND	46.0	40-140		2.64	20	
Aniline	5.83	5.26	"	26.3	ND	22.2	10-133		10.3	20	
Anthracene	12.1	0.0526	"	26.3	ND	46.1	40-105		11.4	20	
Atrazine	12.5	0.526	"	26.3	ND	47.6	40-140		11.2	20	
Benzaldehyde	20.7	5.26	"	26.3	ND	78.6	40-140		5.18	20	
Benzo(a)anthracene	12.1	0.0526	"	26.3	ND	46.1	23-141		4.52	20	
Benzo(a)pyrene	13.1	0.0526	"	26.3	ND	49.6	46-118		8.57	20	
Benzo(b)fluoranthene	12.7	0.0526	"	26.3	ND	48.3	22-133		10.0	20	
Benzo(g,h,i)perylene	12.7	0.0526	"	26.3	ND	48.1	10-126		5.46	20	
Benzo(k)fluoranthene	12.3	0.0526	"	26.3	ND	46.6	18-152		1.34	20	
Benzoic acid	ND	52.6	"	26.3	ND		10-162	Low Bias		20	
Benzyl alcohol	7.27	5.26	"	26.3	ND	27.6	10-114		6.00	20	
Benzyl butyl phthalate	14.2	5.26	"	26.3	ND	54.0	31-121		6.77	20	
Bis(2-chloroethoxy)methane	9.95	5.26	"	26.3	ND	37.8	23-110		5.12	20	
Bis(2-chloroethyl)ether	8.78	5.26	"	26.3	ND	33.4	10-132		2.26	20	
Bis(2-chloroisopropyl)ether	10.3	5.26	"	26.3	ND	39.2	12-132		7.92	20	
Bis(2-ethylhexyl)phthalate	14.3	0.526	"	26.3	0.689	51.8	14-131		3.60	20	
Caprolactam	ND	5.26	"	26.3	ND		40-140	Low Bias		20	



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BJ10876 - EPA 3510C

Matrix Spike Dup (BJ10876-A)					Source sample: 21J0487-01 (Matrix Spike Dup)						
					Prepared: 10/15/2021 Analyzed: 10/18/2021						
Carbazole	13.1	5.26	ug/L	26.3	ND	49.6	10-169		13.7	20	
Chrysene	11.6	0.0526	"	26.3	ND	44.1	30-127		6.31	20	
Dibenzo(a,h)anthracene	13.1	0.0526	"	26.3	ND	49.7	10-131		4.89	20	
Dibenzofuran	11.0	5.26	"	26.3	ND	41.9	37-103		1.10	20	
Diethyl phthalate	11.8	5.26	"	26.3	ND	44.8	41-106		2.40	20	
Dimethyl phthalate	11.2	5.26	"	26.3	ND	42.6	38-105		2.12	20	
Di-n-butyl phthalate	13.7	5.26	"	26.3	ND	52.0	24-121		11.4	20	
Di-n-octyl phthalate	16.4	5.26	"	26.3	ND	62.2	25-141		7.73	20	
Diphenylamine	14.7	5.26	"	26.3	ND	55.8	40-140		13.2	25	
Fluoranthene	12.7	0.0526	"	26.3	ND	48.2	29-123		8.59	20	
Fluorene	11.5	0.0526	"	26.3	ND	43.8	20-133		6.97	20	
Hexachlorobenzene	11.7	0.0211	"	26.3	ND	44.6	24-120		7.76	20	
Hexachlorobutadiene	8.52	0.526	"	26.3	ND	32.4	26-98		6.08	20	
Hexachlorocyclopentadiene	7.94	5.26	"	26.3	ND	30.2	10-103		11.4	20	
Hexachloroethane	8.69	0.526	"	26.3	ND	33.0	11-102		0.400	20	
Indeno(1,2,3-cd)pyrene	12.5	0.0526	"	26.3	ND	47.6	10-130		8.71	20	
Isophorone	11.4	5.26	"	26.3	ND	43.3	19-113		4.48	20	
Naphthalene	12.0	0.0526	"	26.3	1.91	38.2	26-104		11.1	20	
Nitrobenzene	12.5	0.263	"	26.3	ND	47.6	25-107		0.454	20	
N-Nitrosodimethylamine	4.53	0.526	"	26.3	ND	17.2	10-110		6.30	20	
N-nitroso-di-n-propylamine	9.80	5.26	"	26.3	ND	37.2	16-127		5.45	20	
N-Nitrosodiphenylamine	14.5	5.26	"	26.3	ND	55.2	46-116		13.3	20	
Pentachlorophenol	15.0	0.263	"	26.3	ND	57.1	10-181		11.8	20	
Phenanthrene	11.9	0.0526	"	26.3	0.278	44.2	29-121		6.37	20	
Phenol	5.20	5.26	"	26.3	ND	19.8	10-107		15.8	20	
Pyrene	12.2	0.0526	"	26.3	ND	46.2	34-129		7.75	20	
Surrogate: SURR: 2-Fluorophenol	9.95		"	52.6		18.9	19.7-63.1				
Surrogate: SURR: Phenol-d5	6.79		"	52.6		12.9	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	12.4		"	26.3		47.0	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	10.2		"	26.3		38.9	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	28.7		"	52.6		54.5	39.3-151				
Surrogate: SURR: Terphenyl-d14	11.8		"	26.3		44.8	30.7-106				



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

Batch BJ10835 - EPA SW846-3510C Low Level

Blank (BJ10835-BLK1)	Blank		Prepared: 10/14/2021 Analyzed: 10/18/2021								
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	0.132		"	0.200		65.8	30-150				
Surrogate: Tetrachloro-m-xylene	0.186		"	0.200		93.0	30-150				

LCS (BJ10835-BS1)	LCS		Prepared: 10/14/2021 Analyzed: 10/18/2021								
4,4'-DDD	0.177	0.00400	ug/L	0.200		88.5	40-140				
4,4'-DDE	0.204	0.00400	"	0.200		102	40-140				
4,4'-DDT	0.168	0.00400	"	0.200		83.8	40-140				
Aldrin	0.140	0.00400	"	0.200		70.0	40-140				
alpha-BHC	0.144	0.00400	"	0.200		71.8	40-140				
alpha-Chlordane	0.162	0.00400	"	0.200		81.0	40-140				
beta-BHC	0.160	0.00400	"	0.200		80.2	40-140				
delta-BHC	0.165	0.00400	"	0.200		82.4	40-140				
Dieldrin	0.168	0.00200	"	0.200		84.0	40-140				
Endosulfan I	0.133	0.00400	"	0.200		66.5	40-140				
Endosulfan II	0.167	0.00400	"	0.200		83.4	40-140				
Endosulfan sulfate	0.151	0.00400	"	0.200		75.5	40-140				
Endrin	0.184	0.00400	"	0.200		91.8	40-140				
Endrin aldehyde	0.142	0.0100	"	0.200		71.1	40-140				
Endrin ketone	0.173	0.0100	"	0.200		86.6	40-140				
gamma-BHC (Lindane)	0.158	0.00400	"	0.200		79.1	40-140				
gamma-Chlordane	0.164	0.0100	"	0.200		81.8	40-140				
Heptachlor	0.187	0.00400	"	0.200		93.4	40-140				
Heptachlor epoxide	0.163	0.00400	"	0.200		81.7	40-140				
Methoxychlor	0.165	0.00400	"	0.200		82.7	40-140				
Surrogate: Decachlorobiphenyl	0.123		"	0.200		61.5	30-150				
Surrogate: Tetrachloro-m-xylene	0.251		"	0.200		125	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

Batch Y1J1101 - BJ10162

Performance Mix (Y1J1101-P) Performance Mix						Prepared & Analyzed: 10/09/2021					
4,4'-DDD	18.8		ng/mL	0.00			0-200				
4,4'-DDE	3.48		"	0.00			0-200				
4,4'-DDT	275		"	200		137	0-200				
Endrin	166		"	100		166	0-200				
Endrin aldehyde	1.51		"	0.00			0-200				
Endrin ketone	9.84		"	0.00			0-200				

Batch Y1J1910 - BJ10746

Performance Mix (Y1J1910-P) Performance Mix						Prepared & Analyzed: 10/18/2021					
4,4'-DDD	17.7		ng/mL	0.00			0-200				
4,4'-DDE	2.93		"	0.00			0-200				
4,4'-DDT	378		"	200		189	0-200				
Endrin	194		"	100		194	0-200				
Endrin aldehyde	3.41		"	0.00			0-200				
Endrin ketone	10.3		"	0.00			0-200				

Performance Mix (Y1J1910-P) Performance Mix						Prepared & Analyzed: 10/18/2021					
4,4'-DDD	22.9		ng/mL	0.00			0-200				
4,4'-DDE	1.69		"	0.00			0-200				
4,4'-DDT	223		"	200		112	0-200				
Endrin	134		"	100		134	0-200				
Endrin aldehyde	3.72		"	0.00			0-200				
Endrin ketone	16.4		"	0.00			0-200				



Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ10835 - EPA SW846-3510C Low Level											
Blank (BJ10835-BLK2)	Blank							Prepared: 10/14/2021 Analyzed: 10/15/2021			
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	0.168		"	0.200		84.0	30-120				
Surrogate: Decachlorobiphenyl	0.107		"	0.200		53.5	30-120				
LCS (BJ10835-BS2)	LCS							Prepared: 10/14/2021 Analyzed: 10/15/2021			
Aroclor 1016	1.14	0.0500	ug/L	1.00		114	40-120				
Aroclor 1260	1.01	0.0500	"	1.00		101	40-120				
Surrogate: Tetrachloro-m-xylene	0.180		"	0.200		90.0	30-120				
Surrogate: Decachlorobiphenyl	0.0750		"	0.200		37.5	30-120				
Matrix Spike (BJ10835-MS2)	Matrix Spike	*Source sample: 21J0487-01 (Matrix Spike)						Prepared: 10/14/2021 Analyzed: 10/16/2021			
Aroclor 1016	1.15	0.0556	ug/L	1.11	ND	103	40-140				
Aroclor 1260	0.922	0.0556	"	1.11	ND	83.0	40-140				
Surrogate: Tetrachloro-m-xylene	0.219		"	0.222		98.5	30-120				
Surrogate: Decachlorobiphenyl	0.141		"	0.222		63.5	30-120				
Matrix Spike Dup (BJ10835-MS2)	Matrix Spike Dup	*Source sample: 21J0487-01 (Matrix Spike Dup)						Prepared: 10/14/2021 Analyzed: 10/16/2021			
Aroclor 1016	1.03	0.0500	ug/L	1.00	ND	103	40-140		10.9	50	
Aroclor 1260	0.801	0.0500	"	1.00	ND	80.1	40-140		14.0	50	
Surrogate: Tetrachloro-m-xylene	0.157		"	0.200		78.5	30-120				
Surrogate: Decachlorobiphenyl	0.144		"	0.200		72.0	30-120				



Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch Y1J1560 - BJ10881

Aroclor Reference (Y1J1560-^A Aroclor Reference

Prepared & Analyzed: 10/15/2021

Surrogate: Tetrachloro-m-xylene	0.184		ug/mL	0.200		92.0					
Surrogate: Decachlorobiphenyl	0.165		"	0.200		82.5					



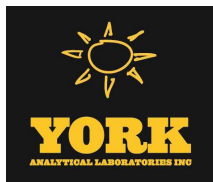
Metals by ICP - Quality Control Data
York Analytical Laboratories, Inc.

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

Batch BJ10820 - EPA 3015A

Blank (BJ10820-BLK1)	Blank										Prepared & Analyzed: 10/14/2021
Aluminum	ND	0.0556	mg/L								
Barium	ND	0.0278	"								
Calcium	0.0925	0.0556	"								
Chromium	ND	0.00556	"								
Cobalt	ND	0.00444	"								
Copper	ND	0.0222	"								
Iron	ND	0.278	"								
Lead	ND	0.00556	"								
Magnesium	ND	0.0556	"								
Manganese	ND	0.00556	"								
Nickel	ND	0.0111	"								
Potassium	ND	0.0556	"								
Silver	ND	0.00556	"								
Sodium	ND	0.556	"								
Vanadium	ND	0.0111	"								
Zinc	ND	0.0278	"								

LCS (BJ10820-BS1)	LCS										Prepared & Analyzed: 10/14/2021
Aluminum	1.83		ug/mL	2.00		91.3	80-120				
Barium	2.22		"	2.00		111	80-120				
Calcium	1.12		"	1.00		112	80-120				
Chromium	0.210		"	0.200		105	80-120				
Cobalt	0.554		"	0.500		111	80-120				
Copper	0.263		"	0.250		105	80-120				
Iron	1.07		"	1.00		107	80-120				
Lead	0.554		"	0.500		111	80-120				
Magnesium	1.06		"	1.00		106	80-120				
Manganese	0.548		"	0.500		110	80-120				
Nickel	0.538		"	0.500		108	80-120				
Potassium	1.03		"	1.00		103	80-120				
Silver	0.0547		"	0.0500		109	80-120				
Sodium	1.07		"	1.00		107	80-120				
Vanadium	0.524		"	0.500		105	80-120				
Zinc	0.537		"	0.500		107	80-120				



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

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

Batch BJ10820 - EPA 3015A

Duplicate (BJ10820-DUP1)	Duplicate	*Source sample: 21J0602-08 (Duplicate)				Prepared & Analyzed: 10/14/2021					
Aluminum	ND	0.0556	mg/L		ND					20	
Barium	ND	0.0278	"		ND					20	
Calcium	0.289	0.0556	"		0.109				90.5	20	Non-dir.
Chromium	ND	0.00556	"		ND					20	
Cobalt	ND	0.00444	"		ND					20	
Copper	ND	0.0222	"		ND					20	
Iron	ND	0.278	"		ND					20	
Lead	ND	0.00556	"		ND					20	
Magnesium	ND	0.0556	"		ND					20	
Manganese	ND	0.00556	"		ND					20	
Nickel	ND	0.0111	"		ND					20	
Potassium	ND	0.0556	"		0.174					20	
Silver	ND	0.00556	"		ND					20	
Sodium	ND	0.556	"		ND					20	
Vanadium	ND	0.0111	"		ND					20	
Zinc	0.0342	0.0278	"		ND					20	

Matrix Spike (BJ10820-MS1)	Matrix Spike	*Source sample: 21J0602-08 (Matrix Spike)				Prepared & Analyzed: 10/14/2021					
Aluminum	2.04	0.0556	mg/L	2.22	ND	91.6	75-125				
Barium	2.44	0.0278	"	2.22	ND	110	75-125				
Calcium	1.27	0.0556	"	1.11	0.109	105	75-125				
Chromium	0.231	0.00556	"	0.222	ND	104	75-125				
Cobalt	0.602	0.00444	"	0.556	ND	108	75-125				
Copper	0.290	0.0222	"	0.278	ND	104	75-125				
Iron	1.25	0.278	"	1.11	ND	113	75-125				
Lead	0.603	0.00556	"	0.556	ND	109	75-125				
Magnesium	1.22	0.0556	"	1.11	ND	110	75-125				
Manganese	0.603	0.00556	"	0.556	ND	109	75-125				
Nickel	0.587	0.0111	"	0.556	ND	106	75-125				
Potassium	1.25	0.0556	"	1.11	0.174	96.7	75-125				
Silver	0.0596	0.00556	"	0.0556	ND	107	75-125				
Sodium	1.22	0.556	"	1.11	ND	110	75-125				
Vanadium	0.575	0.0111	"	0.556	ND	104	75-125				
Zinc	0.599	0.0278	"	0.556	ND	108	75-125				



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

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

Batch BJ10820 - EPA 3015A

Post Spike (BJ10820-PS1)	Post Spike	*Source sample: 21J0602-08 (Post Spike)					Prepared & Analyzed: 10/14/2021				
Aluminum	1.83		ug/mL	2.00	0.0196	90.7	75-125				
Barium	2.19		"	2.00	0.000240	109	75-125				
Calcium	1.19		"	1.00	0.0981	109	75-125				
Chromium	0.208		"	0.200	0.000841	104	75-125				
Cobalt	0.544		"	0.500	-0.000382	109	75-125				
Copper	0.257		"	0.250	0.000231	103	75-125				
Iron	1.12		"	1.00	0.0297	109	75-125				
Lead	0.542		"	0.500	0.00187	108	75-125				
Magnesium	1.11		"	1.00	0.0176	109	75-125				
Manganese	0.543		"	0.500	0.000291	109	75-125				
Nickel	0.531		"	0.500	0.00228	106	75-125				
Potassium	1.09		"	1.00	0.157	93.6	75-125				
Silver	0.0123		"	0.0500	-0.000368	24.5	75-125	Low Bias			
Sodium	1.10		"	1.00	0.419	67.8	75-125	Low Bias			
Vanadium	0.519		"	0.500	0.000467	104	75-125				
Zinc	0.548		"	0.500	0.0183	106	75-125				

Batch BJ10978 - EPA 3015A

Blank (BJ10978-BLK1)	Blank										
Aluminum - Dissolved	ND	0.0556	mg/L								
Barium - Dissolved	ND	0.0278	"								
Calcium - Dissolved	ND	0.0556	"								
Chromium - Dissolved	ND	0.00556	"								
Cobalt - Dissolved	ND	0.00444	"								
Copper - Dissolved	ND	0.0222	"								
Iron - Dissolved	ND	0.278	"								
Lead - Dissolved	ND	0.00556	"								
Magnesium - Dissolved	ND	0.0556	"								
Manganese - Dissolved	ND	0.00556	"								
Nickel - Dissolved	ND	0.0111	"								
Potassium - Dissolved	ND	0.0556	"								
Silver - Dissolved	ND	0.00556	"								
Sodium - Dissolved	ND	0.556	"								
Vanadium - Dissolved	ND	0.0111	"								
Zinc - Dissolved	ND	0.0278	"								



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

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

Batch BJ10978 - EPA 3015A

LCS (BJ10978-BS1)	LCS	Prepared & Analyzed: 10/18/2021									
Aluminum - Dissolved	1.72	ug/mL	2.00	86.1	80-120						
Barium - Dissolved	2.11	"	2.00	105	80-120						
Calcium - Dissolved	0.974	"	1.00	97.4	80-120						
Chromium - Dissolved	0.200	"	0.200	100	80-120						
Cobalt - Dissolved	0.519	"	0.500	104	80-120						
Copper - Dissolved	0.257	"	0.250	103	80-120						
Iron - Dissolved	1.13	"	1.00	113	80-120						
Lead - Dissolved	0.520	"	0.500	104	80-120						
Magnesium - Dissolved	1.10	"	1.00	110	80-120						
Manganese - Dissolved	0.518	"	0.500	104	80-120						
Nickel - Dissolved	0.502	"	0.500	100	80-120						
Potassium - Dissolved	0.904	"	1.00	90.4	80-120						
Silver - Dissolved	0.0514	"	0.0500	103	80-120						
Sodium - Dissolved	1.08	"	1.00	108	80-120						
Vanadium - Dissolved	0.504	"	0.500	101	80-120						
Zinc - Dissolved	0.498	"	0.500	99.6	80-120						

Duplicate (BJ10978-DUP1)	Duplicate	*Source sample: 21J0487-01 (Duplicate) Prepared & Analyzed: 10/18/2021									
Aluminum - Dissolved	0.115	0.0556	mg/L	0.102					12.2	20	
Barium - Dissolved	0.179	0.0278	"	0.170					4.80	20	
Calcium - Dissolved	143	0.0556	"	139					2.57	20	
Chromium - Dissolved	ND	0.00556	"	ND						20	
Cobalt - Dissolved	ND	0.00444	"	ND						20	
Copper - Dissolved	ND	0.0222	"	ND						20	
Iron - Dissolved	2.28	0.278	"	2.15					5.89	20	
Lead - Dissolved	ND	0.00556	"	ND						20	
Magnesium - Dissolved	19.7	0.0556	"	19.0					3.38	20	
Manganese - Dissolved	0.647	0.00556	"	0.619					4.32	20	
Nickel - Dissolved	ND	0.0111	"	ND						20	
Potassium - Dissolved	45.2	0.0556	"	43.2					4.57	20	
Silver - Dissolved	ND	0.00556	"	ND						20	
Sodium - Dissolved	96.9	0.556	"	92.8					4.33	20	
Vanadium - Dissolved	ND	0.0111	"	ND						20	
Zinc - Dissolved	ND	0.0278	"	ND						20	



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

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

Batch BJ10978 - EPA 3015A

Matrix Spike (BJ10978-MS1)	Matrix Spike	*Source sample: 21J0487-01 (Matrix Spike)						Prepared & Analyzed: 10/18/2021			
Barium - Dissolved	2.58	0.0278	mg/L	2.22	0.170	109	75-125				
Chromium - Dissolved	0.230	0.00556	"	0.222	ND	104	75-125				
Cobalt - Dissolved	0.610	0.00444	"	0.556	ND	110	75-125				
Copper - Dissolved	0.322	0.0222	"	0.278	ND	116	75-125				
Iron - Dissolved	4.19	0.278	"	1.11	2.15	184	75-125	High Bias			
Lead - Dissolved	0.608	0.00556	"	0.556	ND	110	75-125				
Manganese - Dissolved	1.23	0.00556	"	0.556	0.619	111	75-125				
Nickel - Dissolved	0.615	0.0111	"	0.556	ND	111	75-125				
Silver - Dissolved	0.0607	0.00556	"	0.0556	ND	109	75-125				
Vanadium - Dissolved	0.595	0.0111	"	0.556	ND	107	75-125				
Zinc - Dissolved	0.599	0.0278	"	0.556	ND	108	75-125				

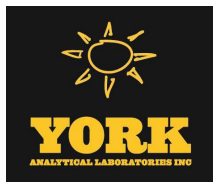
Post Spike (BJ10978-PS1)	Post Spike	*Source sample: 21J0487-01 (Post Spike)						Prepared & Analyzed: 10/18/2021			
Aluminum - Dissolved	2.15		ug/mL	2.00	0.0917	103	75-125				
Barium - Dissolved	2.30		"	2.00	0.153	108	75-125				
Calcium - Dissolved	127		"	1.00	125	129	75-125	High Bias			
Chromium - Dissolved	0.206		"	0.200	0.00113	103	75-125				
Cobalt - Dissolved	0.533		"	0.500	0.000177	107	75-125				
Copper - Dissolved	0.290		"	0.250	0.00416	114	75-125				
Iron - Dissolved	3.13		"	1.00	1.94	119	75-125				
Lead - Dissolved	0.529		"	0.500	0.00000318	106	75-125				
Magnesium - Dissolved	18.5		"	1.00	17.1	134	75-125	High Bias			
Manganese - Dissolved	1.11		"	0.500	0.557	111	75-125				
Nickel - Dissolved	0.538		"	0.500	-0.00282	108	75-125				
Potassium - Dissolved	40.8		"	1.00	38.9	191	75-125	High Bias			
Silver - Dissolved	0.00646		"	0.0500	0.00138	10.2	75-125	Low Bias			
Sodium - Dissolved	86.5		"	1.00	83.5	298	75-125	High Bias			
Vanadium - Dissolved	0.532		"	0.500	-0.000133	106	75-125				
Zinc - Dissolved	0.549		"	0.500	0.0113	108	75-125				



Metals by ICP/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ10898 - EPA 3015A											
Blank (BJ10898-BLK1)	Blank							Prepared & Analyzed: 10/15/2021			
Antimony	ND	0.00111	mg/L								
Arsenic	ND	0.00111	"								
Beryllium	ND	0.000333	"								
Cadmium	ND	0.000556	"								
Selenium	ND	0.00111	"								
Thallium	ND	0.00111	"								
LCS (BJ10898-BS1)	LCS							Prepared & Analyzed: 10/15/2021			
Antimony	45.7		ug/L	50.0		91.4	80-120				
Arsenic	49.5		"	50.0		99.0	80-120				
Beryllium	50.2		"	50.0		100	80-120				
Cadmium	40.8		"	50.0		81.6	80-120				
Selenium	50.7		"	50.0		101	80-120				
Thallium	48.2		"	50.0		96.4	80-120				
Duplicate (BJ10898-DUP1)	Duplicate	*Source sample: 21J0434-02 (Duplicate)							Prepared & Analyzed: 10/15/2021		
Antimony	ND	0.00111	mg/L		ND					20	
Arsenic	0.0115	0.00111	"		0.0119				3.31	20	
Beryllium	ND	0.000333	"		ND					20	
Cadmium	ND	0.000556	"		ND					20	
Selenium	ND	0.00111	"		ND					20	
Thallium	ND	0.00111	"		ND					20	
Matrix Spike (BJ10898-MS1)	Matrix Spike	*Source sample: 21J0434-02 (Matrix Spike)							Prepared & Analyzed: 10/15/2021		
Antimony	38.5		ug/L	50.0	0.084	76.8	75-125				
Arsenic	61.9		"	50.0	10.7	102	75-125				
Beryllium	39.1		"	50.0	0.007	78.1	75-125				
Cadmium	40.4		"	50.0	0.016	80.8	75-125				
Selenium	51.5		"	50.0	0.665	102	75-125				
Thallium	45.7		"	50.0	0.002	91.5	75-125				



Metals by ICP/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ10979 - EPA 3015A											
Blank (BJ10979-BLK1)	Blank							Prepared & Analyzed: 10/18/2021			
Antimony - Dissolved	ND	0.00111	mg/L								
Arsenic - Dissolved	ND	0.00111	"								
Beryllium - Dissolved	ND	0.000333	"								
Cadmium - Dissolved	ND	0.000556	"								
Selenium - Dissolved	ND	0.00111	"								
Thallium - Dissolved	ND	0.00111	"								
LCS (BJ10979-BS1)	LCS							Prepared & Analyzed: 10/18/2021			
Antimony - Dissolved	63.5		ug/L	50.0		127	80-120	High Bias			
Arsenic - Dissolved	51.3		"	50.0		103	80-120				
Beryllium - Dissolved	53.6		"	50.0		107	80-120				
Cadmium - Dissolved	59.2		"	50.0		118	80-120				
Selenium - Dissolved	50.0		"	50.0		100	80-120				
Thallium - Dissolved	51.2		"	50.0		102	80-120				
Duplicate (BJ10979-DUP1)	Duplicate							Prepared & Analyzed: 10/18/2021			
Antimony - Dissolved	ND	0.00111	mg/L		ND					20	
Arsenic - Dissolved	0.0135	0.00111	"		0.00476				95.9	20	Non-dir.
Beryllium - Dissolved	ND	0.000333	"		ND					20	
Cadmium - Dissolved	ND	0.000556	"		ND					20	
Selenium - Dissolved	ND	0.00111	"		ND					20	
Thallium - Dissolved	ND	0.00111	"		ND					20	
Matrix Spike (BJ10979-MS1)	Matrix Spike							Prepared & Analyzed: 10/18/2021			
Antimony - Dissolved	52.3		ug/L	50.0	0.286	104	75-125				
Arsenic - Dissolved	65.2		"	50.0	4.29	122	75-125				
Beryllium - Dissolved	38.5		"	50.0	0.004	77.0	75-125				
Cadmium - Dissolved	50.5		"	50.0	0.024	101	75-125				
Selenium - Dissolved	56.2		"	50.0	-0.366	112	75-125				
Thallium - Dissolved	44.6		"	50.0	0.004	89.2	75-125				



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

York Analytical Laboratories, Inc.

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

Batch BJ10612 - EPA SW846-7470A

Blank (BJ10612-BLK1)	Blank								Prepared & Analyzed: 10/11/2021		
Mercury		ND	0.0002	mg/L							
LCS (BJ10612-BS1)	LCS								Prepared & Analyzed: 10/11/2021		
Mercury		0.002160	0.0002	mg/L	0.00200	108	80-120				
Duplicate (BJ10612-DUP1)	Duplicate	*Source sample: 21J0434-02 (Duplicate)							Prepared & Analyzed: 10/11/2021		
Mercury		ND	0.0002	mg/L		ND				20	
Duplicate (BJ10612-DUP2)	Duplicate	*Source sample: 21J0487-01 (Duplicate)							Prepared & Analyzed: 10/11/2021		
Mercury		ND	0.0002	mg/L		ND				20	
Matrix Spike (BJ10612-MS1)	Matrix Spike	*Source sample: 21J0434-02 (Matrix Spike)							Prepared & Analyzed: 10/11/2021		
Mercury		0.0021	0.0002	mg/L	0.00200	ND	104	75-125			
Matrix Spike (BJ10612-MS2)	Matrix Spike	*Source sample: 21J0487-01 (Matrix Spike)							Prepared & Analyzed: 10/11/2021		
Mercury		0.0022	0.0002	mg/L	0.00200	ND	111	75-125			

Batch BJ10614 - EPA SW846-7470A

Blank (BJ10614-BLK1)	Blank								Prepared & Analyzed: 10/11/2021		
Mercury - Dissolved		ND	0.0002	mg/L							
LCS (BJ10614-BS1)	LCS								Prepared & Analyzed: 10/11/2021		
Mercury - Dissolved		0.0021	0.0002	mg/L	0.00200	107	80-120				
Duplicate (BJ10614-DUP1)	Duplicate	*Source sample: 21J0434-02 (Duplicate)							Prepared & Analyzed: 10/11/2021		
Mercury - Dissolved		ND	0.0002	mg/L		ND				20	



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 BJ10614 - EPA SW846-7470A

Duplicate (BJ10614-DUP2)	Duplicate	*Source sample: 21J0487-01 (Duplicate)						Prepared & Analyzed: 10/11/2021			
Mercury - Dissolved		ND	0.0002	mg/L		ND				20	
Matrix Spike (BJ10614-MS1)	Matrix Spike	*Source sample: 21J0434-02 (Matrix Spike)						Prepared & Analyzed: 10/11/2021			
Mercury - Dissolved		0.0022	0.0002	mg/L	0.00200	ND	108	75-125			
Matrix Spike (BJ10614-MS2)	Matrix Spike	*Source sample: 21J0487-01 (Matrix Spike)						Prepared & Analyzed: 10/11/2021			
Mercury - Dissolved		0.0021	0.0002	mg/L	0.00200	ND	106	75-125			



Wet Chemistry Parameters - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ10616 - Analysis Preparation											
Blank (BJ10616-BLK1)	Blank								Prepared & Analyzed: 10/11/2021		
Chromium, Hexavalent	ND	0.0100	mg/L								
LCS (BJ10616-BS1)	LCS								Prepared & Analyzed: 10/11/2021		
Chromium, Hexavalent	0.498	0.0100	mg/L	0.500		99.6	80-120				
Duplicate (BJ10616-DUP1)	Duplicate	*Source sample: 21J0487-01 (Duplicate)							Prepared & Analyzed: 10/11/2021		
Chromium, Hexavalent	ND	0.0100	mg/L		ND					20	
Matrix Spike (BJ10616-MS1)	Matrix Spike	*Source sample: 21J0487-01 (Matrix Spike)							Prepared & Analyzed: 10/11/2021		
Chromium, Hexavalent	0.509	0.0100	mg/L	0.500	ND	102	75-125				



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
21J0482-01	TMW03_101121	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
21J0482-02	TMW02_101121	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
21J0482-03	TMW01_101121	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

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.
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).
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.
EXT-EM	The sample exhibited emulsion formation during the extraction process. This may affect surrogate recoveries.
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.
M-BLK	The target analyte was detected above the RL in the batch method blank. All samples showed >10x the concentration in the blank for this analyte. Data are reported.
M-BS	The recovery for this element in the batch blank spike recovered slightly outside of control limits
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.
M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.
S-09	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect confirmed by re-extraction and re-analysis of the sample.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QR-04	The RPD exceeded control limits for the LCS/LCSD QC.
S-08	The recovery of this surrogate was outside of QC limits.
M-DUPS	The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity

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

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

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

120 Research Drive Stratford, CT 06615

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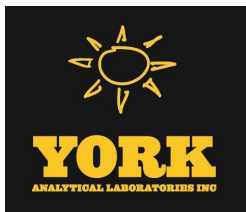
800-306-YORK 800-306-9675

Page of

YORK Project No.

2850512

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Technical Report

prepared for:

Langan Engineering & Environmental Services (NYC)

21 Penn Plaza, 360 West 31st Street

New York NY, 10001

Attention: Woo-Jun Kim

Report Date: 10/18/2021

Client Project ID: 170695201

York Project (SDG) No.: 21J0483



CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037

New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

Report Date: 10/18/2021
Client Project ID: 170695201
York Project (SDG) No.: 21J0483

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Woo-Jun Kim

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 October 11, 2021 and listed below. The project was identified as your project: **170695201**.

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>
21J0483-01	SB12_9-11	Soil	10/11/2021	10/11/2021
21J0483-02	SB13_13-15	Soil	10/11/2021	10/11/2021

General Notes for York Project (SDG) No.: 21J0483

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

Approved By



Cassie L. Mosher
Laboratory Manager

Date: 10/18/2021





Sample Information

Client Sample ID: SB12_9-11

York Sample ID: 21J0483-01

York Project (SDG) No.

21J0483

Client Project ID

170695201

Matrix

Soil

Collection Date/Time

October 11, 2021 1:10 pm

Date Received

10/11/2021

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		mg/kg dry	0.23	0.45	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:00	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.23	0.45	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:00	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.23	0.45	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:00	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.23	0.45	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	10/15/2021 06:54	10/15/2021 15:00	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.23	0.45	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:00	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.23	0.45	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:00	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.23	0.45	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:00	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.23	0.45	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:00	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.23	0.45	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	10/15/2021 06:54	10/15/2021 15:00	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.23	0.45	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:00	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.23	0.45	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:00	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.23	0.45	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:00	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.23	0.45	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:00	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.23	0.45	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:00	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.23	0.45	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:00	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.23	0.45	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:00	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.23	0.45	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:00	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.23	0.45	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:00	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.23	0.45	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:00	BMC
123-91-1	1,4-Dioxane	ND		mg/kg dry	4.5	9.1	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:00	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.23	0.45	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:00	BMC



Sample Information

Client Sample ID: SB12_9-11

York Sample ID: 21J0483-01

York Project (SDG) No.
21J0483

Client Project ID
170695201

Matrix
Soil

Collection Date/Time
October 11, 2021 1:10 pm

Date Received
10/11/2021

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
591-78-6	2-Hexanone	ND		mg/kg dry	0.23	0.45	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:00	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.23	0.45	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:00	BMC
67-64-1	Acetone	ND		mg/kg dry	0.45	0.91	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:00	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.45	0.91	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:00	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.23	0.45	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:00	BMC
71-43-2	Benzene	ND		mg/kg dry	0.23	0.45	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:00	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.23	0.45	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:00	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.23	0.45	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:00	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.23	0.45	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:00	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.23	0.45	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:00	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.23	0.45	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:00	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.23	0.45	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:00	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.23	0.45	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:00	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.23	0.45	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:00	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.23	0.45	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:00	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.23	0.45	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:00	BMC
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.23	0.45	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:00	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.23	0.45	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:00	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.23	0.45	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:00	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.23	0.45	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:00	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.23	0.45	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:00	BMC
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.23	0.45	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:00	BMC



Sample Information

Client Sample ID: SB12_9-11

York Sample ID: 21J0483-01

York Project (SDG) No.

21J0483

Client Project ID

170695201

Matrix

Soil

Collection Date/Time

October 11, 2021 1:10 pm

Date Received

10/11/2021

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
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.23	0.45	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:00	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.23	0.45	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:00	BMC
98-82-8	Isopropylbenzene	2.4		mg/kg dry	0.23	0.45	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:00	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.23	0.45	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:00	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.23	0.45	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:00	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.23	0.45	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:00	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.45	0.91	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:00	BMC
104-51-8	n-Butylbenzene	8.4		mg/kg dry	0.23	0.45	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:00	BMC
103-65-1	n-Propylbenzene	16		mg/kg dry	0.23	0.45	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:00	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.23	0.45	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:00	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.45	0.91	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:00	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.23	0.45	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:00	BMC
135-98-8	sec-Butylbenzene	8.3		mg/kg dry	0.23	0.45	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:00	BMC
100-42-5	Styrene	ND		mg/kg dry	0.23	0.45	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:00	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.23	0.45	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:00	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.23	0.45	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:00	BMC
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.23	0.45	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:00	BMC
108-88-3	Toluene	ND		mg/kg dry	0.23	0.45	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:00	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.23	0.45	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:00	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.23	0.45	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:00	BMC
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.23	0.45	100	EPA 8260C Certifications: CTDOH	10/15/2021 06:54	10/15/2021 15:00	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.23	0.45	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:00	BMC



Sample Information

Client Sample ID: SB12_9-11

York Sample ID: 21J0483-01

York Project (SDG) No.
21J0483

Client Project ID
170695201

Matrix
Soil

Collection Date/Time
October 11, 2021 1:10 pm

Date Received
10/11/2021

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
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.23	0.45	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:00	BMC
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.23	0.45	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:00	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.68	1.4	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	10/15/2021 06:54	10/15/2021 15:00	BMC
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	120 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	100 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	103 %	76-130								

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	87.7		%	0.100	1	SM 2540G Certifications: CTDOH	10/18/2021 09:56	10/18/2021 13:52	VR



Sample Information

Client Sample ID: SB13_13-15

York Sample ID: 21J0483-02

York Project (SDG) No.
21J0483

Client Project ID
170695201

Matrix
Soil

Collection Date/Time
October 11, 2021 2:25 pm

Date Received
10/11/2021

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		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:26	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:26	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:26	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	10/15/2021 06:54	10/15/2021 15:26	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:26	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:26	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:26	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:26	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	10/15/2021 06:54	10/15/2021 15:26	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:26	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:26	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:26	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:26	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:26	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:26	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:26	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:26	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:26	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:26	BMC
123-91-1	1,4-Dioxane	ND		mg/kg dry	4.7	9.5	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:26	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:26	BMC



Sample Information

Client Sample ID: SB13_13-15

York Sample ID: 21J0483-02

York Project (SDG) No.
21J0483

Client Project ID
170695201

Matrix
Soil

Collection Date/Time
October 11, 2021 2:25 pm

Date Received
10/11/2021

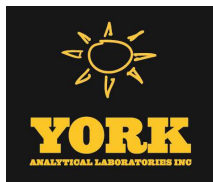
Volatile Organics, 8260 - Comprehensive

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
591-78-6	2-Hexanone	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:26	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:26	BMC
67-64-1	Acetone	ND		mg/kg dry	0.47	0.95	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:26	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.47	0.95	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:26	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:26	BMC
71-43-2	Benzene	0.26	J	mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:26	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:26	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:26	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:26	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:26	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:26	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:26	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:26	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:26	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:26	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:26	BMC
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:26	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:26	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:26	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:26	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:26	BMC
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:26	BMC



Sample Information

Client Sample ID: SB13_13-15

York Sample ID: 21J0483-02

York Project (SDG) No.

21J0483

Client Project ID

170695201

Matrix

Soil

Collection Date/Time

October 11, 2021 2:25 pm

Date Received

10/11/2021

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
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:26	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:26	BMC
98-82-8	Isopropylbenzene	2.9		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:26	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:26	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:26	BMC
108-87-2	Methylcyclohexane	2.8		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:26	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.47	0.95	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:26	BMC
104-51-8	n-Butylbenzene	4.7		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:26	BMC
103-65-1	n-Propylbenzene	12		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:26	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:26	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.47	0.95	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:26	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:26	BMC
135-98-8	sec-Butylbenzene	2.4		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:26	BMC
100-42-5	Styrene	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:26	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:26	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:26	BMC
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:26	BMC
108-88-3	Toluene	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:26	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:26	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:26	BMC
110-57-6	* trans-1,4-dichloro-2-butene	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH	10/15/2021 06:54	10/15/2021 15:26	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:26	BMC



Sample Information

Client Sample ID: SB13_13-15

York Sample ID: 21J0483-02

York Project (SDG) No.
21J0483

Client Project ID
170695201

Matrix
Soil

Collection Date/Time
October 11, 2021 2:25 pm

Date Received
10/11/2021

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
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:26	BMC
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.24	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/15/2021 06:54	10/15/2021 15:26	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.71	1.4	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	10/15/2021 06:54	10/15/2021 15:26	BMC
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	115 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	102 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	94.3 %	76-130								

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	84.4		%	0.100	1	SM 2540G Certifications: CTDOH	10/18/2021 09:56	10/18/2021 13:52	VR



Analytical Batch Summary

Batch ID: BJ10926

Preparation Method: EPA 5035A

Prepared By: BMC

YORK Sample ID	Client Sample ID	Preparation Date
21J0483-01	SB12_9-11	10/15/21
21J0483-02	SB13_13-15	10/15/21
BJ10926-BLK1	Blank	10/15/21
BJ10926-BLK2	Blank	10/15/21
BJ10926-BLK3	Blank	10/15/21
BJ10926-BS1	LCS	10/15/21
BJ10926-BSD1	LCS Dup	10/15/21

Batch ID: BJ10988

Preparation Method: % Solids Prep

Prepared By: TAJ

YORK Sample ID	Client Sample ID	Preparation Date
21J0483-01	SB12_9-11	10/18/21
21J0483-02	SB13_13-15	10/18/21
BJ10988-DUP1	Duplicate	10/18/21



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ10926 - EPA 5035A											
Blank (BJ10926-BLK1)	Blank										Prepared & Analyzed: 10/15/2021
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BJ10926 - EPA 5035A

Blank (BJ10926-BLK1)	Blank									Prepared & Analyzed: 10/15/2021
n-Butylbenzene	ND	0.0050	mg/kg wet							
n-Propylbenzene	ND	0.0050	"							
o-Xylene	ND	0.0050	"							
p- & m- Xylenes	ND	0.010	"							
p-Isopropyltoluene	ND	0.0050	"							
sec-Butylbenzene	ND	0.0050	"							
Styrene	ND	0.0050	"							
tert-Butyl alcohol (TBA)	ND	0.0050	"							
tert-Butylbenzene	ND	0.0050	"							
Tetrachloroethylene	ND	0.0050	"							
Toluene	ND	0.0050	"							
trans-1,2-Dichloroethylene	ND	0.0050	"							
trans-1,3-Dichloropropylene	ND	0.0050	"							
trans-1,4-dichloro-2-butene	ND	0.0050	"							
Trichloroethylene	ND	0.0050	"							
Trichlorofluoromethane	ND	0.0050	"							
Vinyl Chloride	ND	0.0050	"							
Xylenes, Total	ND	0.015	"							
Surrogate: SURRE: 1,2-Dichloroethane-d4	56.7		ug/L	50.0		113	77-125			
Surrogate: SURRE: Toluene-d8	51.9		"	50.0		104	85-120			
Surrogate: SURRE: p-Bromofluorobenzene	49.2		"	50.0		98.3	76-130			

Blank (BJ10926-BLK2)	Blank									Prepared & Analyzed: 10/15/2021
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet							
1,1,1-Trichloroethane	ND	0.0050	"							
1,1,2,2-Tetrachloroethane	ND	0.0050	"							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"							
1,1,2-Trichloroethane	ND	0.0050	"							
1,1-Dichloroethane	ND	0.0050	"							
1,1-Dichloroethylene	ND	0.0050	"							
1,2,3-Trichlorobenzene	ND	0.0050	"							
1,2,3-Trichloropropane	ND	0.0050	"							
1,2,4-Trichlorobenzene	ND	0.0050	"							
1,2,4-Trimethylbenzene	ND	0.0050	"							
1,2-Dibromo-3-chloropropane	ND	0.0050	"							
1,2-Dibromoethane	ND	0.0050	"							
1,2-Dichlorobenzene	ND	0.0050	"							
1,2-Dichloroethane	ND	0.0050	"							
1,2-Dichloropropane	ND	0.0050	"							
1,3,5-Trimethylbenzene	ND	0.0050	"							
1,3-Dichlorobenzene	ND	0.0050	"							
1,4-Dichlorobenzene	ND	0.0050	"							
1,4-Dioxane	ND	0.10	"							
2-Butanone	ND	0.0050	"							
2-Hexanone	ND	0.0050	"							
4-Methyl-2-pentanone	ND	0.0050	"							
Acetone	ND	0.010	"							
Acrolein	ND	0.010	"							
Acrylonitrile	ND	0.0050	"							
Benzene	ND	0.0050	"							
Bromochloromethane	ND	0.0050	"							



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 BJ10926 - EPA 5035A

Blank (BJ10926-BLK2)	Blank	Prepared & Analyzed: 10/15/2021									
Bromodichloromethane	ND	0.0050	mg/kg wet								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
trans-1,4-dichloro-2-butene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	59.4		ug/L	50.0		119	77-125				
Surrogate: SURR: Toluene-d8	52.4		"	50.0		105	85-120				
Surrogate: SURR: p-Bromofluorobenzene	49.5		"	50.0		98.9	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 BJ10926 - EPA 5035A

Blank (BJ10926-BLK3) HB-21J0483

Prepared & Analyzed: 10/15/2021

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



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BJ10926 - EPA 5035A

Blank (BJ10926-BLK3) HB-21J0483

Prepared & Analyzed: 10/15/2021

n-Propylbenzene	ND	0.0050	mg/kg wet
o-Xylene	ND	0.0050	"
p- & m- Xylenes	ND	0.010	"
p-Isopropyltoluene	ND	0.0050	"
sec-Butylbenzene	ND	0.0050	"
Styrene	ND	0.0050	"
tert-Butyl alcohol (TBA)	ND	0.0050	"
tert-Butylbenzene	ND	0.0050	"
Tetrachloroethylene	ND	0.0050	"
Toluene	ND	0.0050	"
trans-1,2-Dichloroethylene	ND	0.0050	"
trans-1,3-Dichloropropylene	ND	0.0050	"
trans-1,4-dichloro-2-butene	ND	0.0050	"
Trichloroethylene	ND	0.0050	"
Trichlorofluoromethane	ND	0.0050	"
Vinyl Chloride	ND	0.0050	"
Xylenes, Total	ND	0.015	"

Surrogate: SURR: 1,2-Dichloroethane-d4	57.1	ug/L	50.0	114	77-125
Surrogate: SURR: Toluene-d8	52.3	"	50.0	105	85-120
Surrogate: SURR: p-Bromofluorobenzene	48.9	"	50.0	97.8	76-130

LCS (BJ10926-BS1)

LCS

Prepared & Analyzed: 10/15/2021

1,1,1,2-Tetrachloroethane	52	ug/L	50.0	103	75-129
1,1,1-Trichloroethane	50	"	50.0	101	71-137
1,1,2,2-Tetrachloroethane	47	"	50.0	93.5	79-129
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	63	"	50.0	125	58-146
1,1,2-Trichloroethane	49	"	50.0	98.1	83-123
1,1-Dichloroethane	47	"	50.0	94.2	75-130
1,1-Dichloroethylene	61	"	50.0	122	64-137
1,2,3-Trichlorobenzene	48	"	50.0	96.2	81-140
1,2,3-Trichloropropane	50	"	50.0	99.4	81-126
1,2,4-Trichlorobenzene	48	"	50.0	96.4	80-141
1,2,4-Trimethylbenzene	50	"	50.0	99.1	84-125
1,2-Dibromo-3-chloropropane	46	"	50.0	92.6	74-142
1,2-Dibromoethane	50	"	50.0	99.3	86-123
1,2-Dichlorobenzene	47	"	50.0	94.0	85-122
1,2-Dichloroethane	54	"	50.0	107	71-133
1,2-Dichloropropane	48	"	50.0	96.8	81-122
1,3,5-Trimethylbenzene	49	"	50.0	97.3	82-126
1,3-Dichlorobenzene	47	"	50.0	93.7	84-124
1,4-Dichlorobenzene	46	"	50.0	93.0	84-124
1,4-Dioxane	920	"	1050	87.6	10-228
2-Butanone	43	"	50.0	85.2	58-147
2-Hexanone	45	"	50.0	90.7	70-139
4-Methyl-2-pentanone	46	"	50.0	92.7	72-132
Acetone	44	"	50.0	87.4	36-155
Acrolein	60	"	50.0	121	10-238
Acrylonitrile	47	"	50.0	93.1	66-141
Benzene	47	"	50.0	93.9	77-127
Bromochloromethane	49	"	50.0	97.8	74-129
Bromodichloromethane	50	"	50.0	100	81-124



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 BJ10926 - EPA 5035A

LCS (BJ10926-BS1)	LCS	Prepared & Analyzed: 10/15/2021									
Bromoform	44	ug/L	50.0	87.5	80-136						
Bromomethane	92	"	50.0	184	32-177	High Bias					
Carbon disulfide	37	"	50.0	73.4	10-136						
Carbon tetrachloride	55	"	50.0	109	66-143						
Chlorobenzene	49	"	50.0	97.6	86-120						
Chloroethane	71	"	50.0	142	51-142						
Chloroform	50	"	50.0	100	76-131						
Chloromethane	50	"	50.0	101	49-132						
cis-1,2-Dichloroethylene	49	"	50.0	98.7	74-132						
cis-1,3-Dichloropropylene	49	"	50.0	97.2	81-129						
Cyclohexane	45	"	50.0	90.1	70-130						
Dibromochloromethane	51	"	50.0	102	10-200						
Dibromomethane	49	"	50.0	98.3	83-124						
Dichlorodifluoromethane	40	"	50.0	81.0	28-158						
Ethyl Benzene	51	"	50.0	101	84-125						
Hexachlorobutadiene	47	"	50.0	93.2	83-133						
Isopropylbenzene	47	"	50.0	93.7	81-127						
Methyl acetate	40	"	50.0	80.8	41-143						
Methyl tert-butyl ether (MTBE)	46	"	50.0	92.4	74-131						
Methylcyclohexane	46	"	50.0	91.9	70-130						
Methylene chloride	52	"	50.0	104	57-141						
n-Butylbenzene	53	"	50.0	105	80-130						
n-Propylbenzene	47	"	50.0	94.2	74-136						
o-Xylene	49	"	50.0	98.6	83-123						
p- & m- Xylenes	100	"	100	102	82-128						
p-Isopropyltoluene	49	"	50.0	98.8	85-125						
sec-Butylbenzene	49	"	50.0	98.2	83-125						
Styrene	49	"	50.0	97.8	86-126						
tert-Butyl alcohol (TBA)	190	"	250	76.4	70-130						
tert-Butylbenzene	47	"	50.0	94.7	80-127						
Tetrachloroethylene	45	"	50.0	89.0	80-129						
Toluene	48	"	50.0	96.8	85-121						
trans-1,2-Dichloroethylene	53	"	50.0	106	72-132						
trans-1,3-Dichloropropylene	49	"	50.0	98.4	78-132						
trans-1,4-dichloro-2-butene	48	"	50.0	95.9	75-135						
Trichloroethylene	50	"	50.0	99.9	84-123						
Trichlorofluoromethane	63	"	50.0	127	62-140						
Vinyl Chloride	52	"	50.0	104	52-130						
Surrogate: SURR: 1,2-Dichloroethane-d4	57.6	"	50.0	115	77-125						
Surrogate: SURR: Toluene-d8	51.6	"	50.0	103	85-120						
Surrogate: SURR: p-Bromofluorobenzene	48.3	"	50.0	96.6	76-130						



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ10926 - EPA 5035A											
LCS Dup (BJ10926-BSD1)	LCS Dup		Prepared & Analyzed: 10/15/2021								
1,1,1,2-Tetrachloroethane	54		ug/L	50.0		108	75-129		4.87	30	
1,1,1-Trichloroethane	52		"	50.0		103	71-137		2.21	30	
1,1,2,2-Tetrachloroethane	50		"	50.0		100	79-129		6.90	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	63		"	50.0		126	58-146		0.572	30	
1,1,2-Trichloroethane	51		"	50.0		103	83-123		4.68	30	
1,1-Dichloroethane	47		"	50.0		94.7	75-130		0.466	30	
1,1-Dichloroethylene	60		"	50.0		121	64-137		1.24	30	
1,2,3-Trichlorobenzene	52		"	50.0		103	81-140		6.86	30	
1,2,3-Trichloropropane	53		"	50.0		106	81-126		6.78	30	
1,2,4-Trichlorobenzene	52		"	50.0		103	80-141		6.89	30	
1,2,4-Trimethylbenzene	52		"	50.0		104	84-125		4.67	30	
1,2-Dibromo-3-chloropropane	48		"	50.0		96.0	74-142		3.54	30	
1,2-Dibromoethane	52		"	50.0		104	86-123		4.62	30	
1,2-Dichlorobenzene	50		"	50.0		100	85-122		6.39	30	
1,2-Dichloroethane	55		"	50.0		110	71-133		2.83	30	
1,2-Dichloropropane	50		"	50.0		99.6	81-122		2.85	30	
1,3,5-Trimethylbenzene	51		"	50.0		102	82-126		4.64	30	
1,3-Dichlorobenzene	49		"	50.0		98.7	84-124		5.13	30	
1,4-Dichlorobenzene	49		"	50.0		98.2	84-124		5.42	30	
1,4-Dioxane	990		"	1050		94.7	10-228		7.80	30	
2-Butanone	45		"	50.0		90.9	58-147		6.54	30	
2-Hexanone	49		"	50.0		98.0	70-139		7.78	30	
4-Methyl-2-pentanone	49		"	50.0		98.6	72-132		6.10	30	
Acetone	45		"	50.0		90.7	36-155		3.73	30	
Acrolein	63		"	50.0		126	10-238		4.12	30	
Acrylonitrile	48		"	50.0		97.0	66-141		4.06	30	
Benzene	48		"	50.0		95.6	77-127		1.79	30	
Bromochloromethane	50		"	50.0		100	74-129		2.60	30	
Bromodichloromethane	51		"	50.0		102	81-124		2.15	30	
Bromoform	47		"	50.0		93.6	80-136		6.80	30	
Bromomethane	94		"	50.0		188	32-177	High Bias	1.93	30	
Carbon disulfide	36		"	50.0		72.8	10-136		0.739	30	
Carbon tetrachloride	55		"	50.0		111	66-143		1.49	30	
Chlorobenzene	51		"	50.0		102	86-120		4.18	30	
Chloroethane	69		"	50.0		138	51-142		2.42	30	
Chloroform	51		"	50.0		102	76-131		1.39	30	
Chloromethane	51		"	50.0		102	49-132		1.13	30	
cis-1,2-Dichloroethylene	51		"	50.0		101	74-132		2.32	30	
cis-1,3-Dichloropropylene	51		"	50.0		101	81-129		4.07	30	
Cyclohexane	45		"	50.0		90.5	70-130		0.487	30	
Dibromochloromethane	55		"	50.0		109	10-200		6.58	30	
Dibromomethane	52		"	50.0		104	83-124		5.23	30	
Dichlorodifluoromethane	41		"	50.0		81.4	28-158		0.468	30	
Ethyl Benzene	52		"	50.0		105	84-125		3.44	30	
Hexachlorobutadiene	50		"	50.0		100	83-133		7.38	30	
Isopropylbenzene	49		"	50.0		97.4	81-127		3.85	30	
Methyl acetate	41		"	50.0		82.0	41-143		1.57	30	
Methyl tert-butyl ether (MTBE)	48		"	50.0		96.1	74-131		3.90	30	
Methylcyclohexane	47		"	50.0		94.6	70-130		2.83	30	
Methylene chloride	52		"	50.0		105	57-141		0.823	30	
n-Butylbenzene	53		"	50.0		106	80-130		1.15	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BJ10926 - EPA 5035A

LCS Dup (BJ10926-BSD1) LCS Dup		Prepared & Analyzed: 10/15/2021									
n-Propylbenzene	49		ug/L	50.0		98.1	74-136		4.12	30	
o-Xylene	51		"	50.0		103	83-123		3.92	30	
p- & m- Xylenes	110		"	100		106	82-128		3.58	30	
p-Isopropyltoluene	51		"	50.0		103	85-125		4.06	30	
sec-Butylbenzene	51		"	50.0		103	83-125		4.34	30	
Styrene	51		"	50.0		103	86-126		4.85	30	
tert-Butyl alcohol (TBA)	210		"	250		82.6	70-130		7.84	30	
tert-Butylbenzene	49		"	50.0		98.8	80-127		4.24	30	
Tetrachloroethylene	46		"	50.0		92.9	80-129		4.31	30	
Toluene	50		"	50.0		100	85-121		3.23	30	
trans-1,2-Dichloroethylene	53		"	50.0		106	72-132		0.340	30	
trans-1,3-Dichloropropylene	51		"	50.0		102	78-132		3.96	30	
trans-1,4-dichloro-2-butene	51		"	50.0		102	75-135		6.14	30	
Trichloroethylene	51		"	50.0		103	84-123		2.73	30	
Trichlorofluoromethane	63		"	50.0		127	62-140		0.158	30	
Vinyl Chloride	51		"	50.0		103	52-130		1.10	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	56.0		"	50.0		112	77-125				
Surrogate: SURR: Toluene-d8	51.7		"	50.0		103	85-120				
Surrogate: SURR: p-Bromofluorobenzene	48.4		"	50.0		96.8	76-130				



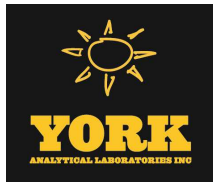
Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BJ10988 - % Solids Prep

Duplicate (BJ10988-DUP1)	Duplicate	*Source sample: 21J0457-01 (Duplicate)					Prepared & Analyzed: 10/18/2021		
% Solids		85.3	0.100	%		84.8		0.592	20



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
21J0483-01	SB12_9-11	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C
21J0483-02	SB13_13-15	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).

Definitions and Other Explanations

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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



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



Field Chain-of-Custody Record

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

120 Research Drive Stratford, CT 06615

132-02 89th Ave Queens, NY 11418

clientservices@yorklab.com

www.yorklab.com

800-306-YORK

800-306-9675

YOUR INFORMATION

Company: Langan Engineering
Address: 300 West 31st Street
NY NY 10001
Phone: 212-479-5400
Contact: WGO KM
E-mail: W.Kimelangan.com

Report To:

Company: [Signature]
Address: [Signature]
Phone: [Signature]
Contact: [Signature]
E-mail: [Signature]

Invoice To:

Company: [Signature]
Address: [Signature]
Phone: [Signature]
Contact: [Signature]
E-mail: [Signature]

YOUR PROJECT NUMBER

170695201
111 Washington Street
YOUR PO#:

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

gm Jacob Mervin

Samples Collected by: (print AND sign your name)

Sample Identification

SB12-9-11
SB13-13-15
SB11-2-4

Matrix Codes

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

Samples From

X New York
New Jersey
Connecticut
Pennsylvania
Other:

Report / EDD Type (circle selections)

X Summary Report
QA Report
NY ASP A Package
NY ASP B Package
Other:

YORK Reg. Comp.

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

Analysis Requested

TEL VOCs, SVOCs, PCBs, TAL
Metals (hex. + tri, chrome) +
Pesticides & TELP Metals
Hold
3M
RUN SB12-9-11 & SB13-13-15
VOCs, hold all other analysis

Container Description

Hold
Hold

Comments:

Report to: Kuelker@langan.com
& dataman@langan.com

Preservation:

(check all that apply)
HCl X MeOH X HNO3 X H2SO4 X NaOH X
ZnAc X Ascorbic Acid X Other: X

Samples cooled/chilled at time of lab pickup? circle Yes or No

Yes

10/11/11

1905

15:25

10/11/11

1505

Francis & York

10/11/11

1905

15:25