

Phase II Environmental Site Assessment

**100 East 149th Street
Bronx, New York**

NYSDEC Spill Number 18-10498



Prepared for:
Tony Boemi
5 East 22nd Street
New York, New York

Touchstone Project Number 200101

OCTOBER 30, 2020

Phase II Environmental Site Assessment

TABLE OF CONTENTS

1.0 INTRODUCTION	2
1.1 Site Location and Current Usage	2
1.2 Site History	2
1.3 Scope of Work.....	6
2.0 PHASE II ENVIRONMENTAL SITE ASSEMENT FIELDWORK	7
2.1 Investigation Procedures.....	7
2.2 Geophysical Survey	7
2.3 Soil Sampling	7
2.4 Monitoring Wells	8
2.5 Water Level Measurement	8
2.6 Groundwater Survey	8
2.7 Groundwater Sampling	9
2.8 Decontamination Procedures and Quality Assurance/Quality Control.....	9
2.9 Investigation Derived Waste	9
3.0 ENVIRONMENTAL FINDINGS	10
3.1 Soil Samples.....	10
3.2 Groundwater Chemistry	12
4.0 CONCLUSIONS	15

FIGURES

Figure 1: Location Map

Figure 2: Sample Location Map

Figure 3: Groundwater Flow Direction Map

TABLES

Table 1: Groundwater Monitoring Table

Table 2A: Volatile Organic Compounds in Soil

Table 2B: Semi-Volatile Organic Compounds in Soil

Table 3A: Groundwater Volatile Organic Compounds

Table 3B: Groundwater Semi-Volatile Organic Compounds

APPENDICES

Appendix A – Historical Report

Appendix B – Photographs

Appendix C – Soil Boring Logs

Appendix D – Analytical Data

Appendix E – Waste Manifest

Phase II Environmental Site Assessment (ESA)

**100 East 149th Street
Bronx, New York**

NYSDEC Spill Number 18-10498

Touchstone Environmental Geology, PC appreciates the opportunity to work on behalf of Tony Boemi at the property located at 100 East 149th Street in the Bronx, New York.

Should you require any additional information or have any comments regarding the contents of this report, please feel free to contact our office at your convenience.

We declare that, to the best of my professional knowledge and belief, Rachel Ataman, P.G. meets the definition of an environmental professional as defined in §312.10 of 40 C.F.R. 312, and we have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. We have developed and performed all the appropriate inquiries in conformance with the standards and practices set forth in 40 C.F.R. Part 312.

Very Truly Yours,

Touchstone Environmental Geology PC

X Rachel Ataman

Rachel Ataman, P.G.

President

Touchstone Environmental Geology, PC



X Gabrielle Castro

Gabrielle Castro

Project Manager

Touchstone Environmental Geology, PC

1.0 INTRODUCTION

This Phase II Environmental Site Assessment (ESA) report has been prepared for the property located at 100 East 149th Street in the Bronx, New York (the Site). This assessment has been prepared for Tony Boemi. This Phase II ESA is based upon the conversation with the client and the requirements of the New York State Department of Environmental Conservation (NYSDEC) to address **NYSDEC Spill No. 18-10498** as discussed in their August 18, 2020 email.

This Phase II ESA is intended to determine the nature and extent of the petroleum release associated with **NYSDEC Spill No. 18-10498**.

1.1 Site Location and Current Usage

The Subject Property is located at 100 East 149th Street in the Bronx, New York. The Subject Property includes one contiguous irregular-shaped parcel, identified by the New York City Department of Finance as Block 2351, Lot 35 totaling approximately 4,105 square feet. The property is currently vacant and historically been used in connection with the gasoline station that operated at the Subject Property. A public sidewalk bounds the west and north sides of the Site.

The Subject Property is located in the southeast corner of the intersection of River Ave Avenue and East 149th Street in the Mott Haven neighborhood of the Bronx, New York. **Figure 1 - Location Map** depicts the location of the Subject Property on a street map of the Bronx, New York.

1.2 Site History

Remedial Investigation Report (RIR), July 2019, performed by Eastern Environmental Solutions, of Manorville, NY.

Eastern Environmental Solutions (Eastern) conducted a remedial investigation (RI) at the Subject Property. The RI fieldwork was performed during January to March 2019. According to Eastern's RIR dated July 2019, the Subject Property contained a 200-square foot building with no basement and was vacant at the time of the investigation. The Subject Property was owned by Transmeta, LLC and had recently been used as an automobile tire business, identified as Coco Tire Corp; the anticipated future use of the property would be for commercial/residential purposes although no redevelopment plan was currently in place at the time of the investigation. The investigation consisted of 1) a Site inspection to identify site conditions, site layout, and areas of concern, 2) a geophysical investigation to determine the locations of subsurface structures and utilities, 3) the installation and sampling of 15 soil borings, the installation and sampling of four subsurface soil vapor samples and the installation and sampling of four groundwater monitoring well locations, and 4) the evaluation of sample field investigation and laboratory analysis results to determine the nature and extent of subsurface contamination at the Site. The analytical results are summarized as follows:

1. Ground Penetrating Radar Survey:

The ground penetrating radar (GPR) survey investigation was conducted to determine if the underground storage tanks (USTs) that were reported to exist at the Subject Property were still present and to identify potential subsurface utilities prior to commencing boring activities. The results of the geophysical survey performed at the Subject Property indicated there was a subsurface obstruction near the northwest corner of the Subject Property that prevented borings from advancing past a depth of 11-feet. Additionally, the GPR survey identified an anomaly consistent with an area of apparent USTs and associated piping was detected in the southern-central portion of the site.

2. Soil Probe Collection and Analytical Results:

Eastern installed 15 geoprobe borings identified as SB-1 through SB-15 throughout the Site. Most borings were advanced to a depth of 15-feet below grade. A total of four samples were collected from soil probe locations SB-1, SB-5, SB-8, and SB-11 from a depth of 10 to 15-feet below grade and were analyzed for volatile organic compounds (VOCs). Photoionization detector (PID) readings obtained showed generally elevated concentrations of organic vapors throughout most or all of the Subject Property, primarily in the vadose zone just above the water. Petroleum-related VOCs were detected in the 10 to 15-foot samples from SB-1, SB-5, SB-8, and SB-11 at concentrations above their respective NYCRR Part 375 Unrestricted Soil Cleanup Objectives (UUSCOs). Additionally, petroleum constituents (VOCs) were detected in SB-2 (at 10') at concentrations above their respective UUSCOs. SVOCs were detected at concentrations greater than their UUSCO in SB-1 (0-2'), SB-2 (10'), and SB-3 (0-2' and 10') and 4,4-DDD was found in SP-2 (0-2') at a concentration exceeding its UUSCO.

3. Groundwater Monitoring:

Eastern installed four monitoring wells (MW-1 through MW-4) at the Site. The wells were sampled for VOCs, SVOCs, PCBs, metals, and emerging contaminants including 1,4-dioxane and per- and polyfluoroalkyl substances (PFAS)). The results showed exceedances of the NYSDEC Class GA Groundwater Standards for various petroleum-related VOCs and SVOCs, one pesticide, and various metals. No PCBs were detected nor was the compound 1,4-dioxane. However, several PFASs were detected at low concentrations. The groundwater throughout most or all of the Subject Property appeared to contain minor to moderate exceedances of the NYSDEC Class GA Groundwater Standards for VOCs and SVOCs, metals, and one pesticide. Additionally, PFAS were present in the groundwater, however there was no apparent source of PFAS based on Site history information and no information at present regarding the potential upgradient sources of contamination.

4. Soil Vapor Samples and Analytical Results:

Eastern collected four soil vapor samples at the Site. The results of the soil vapor testing indicated the detection of various VOCs, there were no standards or guidelines for VOCs in soil vapor used for comparison in the report. However, when comparing the detected VOCs to the Soil/Vapor Indoor Air Matrices, the 8 compounds identified in the matrices (1,1,1-Trichloroethane, 1,2-Dichloroethene, Carbon Tetrachloride, *cis*-1,2-Dichloroethene, Methylene Chloride, Tetrachloroethene (PCE), Trichloroethene (TCE), and Vinyl Chloride) indicated No Further Action is required for the levels identified in VP-1 through VP-4. The petroleum related VOCs detected were likely attributed to the apparent petroleum releases at the Site. However, Eastern concluded that due to the potential contributors of petroleum contamination in the vicinity of the Site, there may be an off-site contribution to the Subsurface VOC vapors detected at the Site.

The Eastern Environmental Solutions Remedial Investigation Report identified the following areas of concern at the Subject Property:

- The Subject Property was used as a gas station for many decades and underground storage tanks (USTs) were reported as having been present in the subsurface. The recent ground-penetrating radar survey indicated that the USTs appear to remain present in the subsurface. It also appears that the USTs are likely to be the primary source of contamination at the Subject Property. Based on this information, the prior use of the Subject Property as a gas station and the presence of former or existing USTs at the Subject Property, indicates an area of concern. The Subject Property is an e-designated property with the New York City Department of Buildings. Therefore, the environmental issues at the Subject Property must be addressed prior to the issuance of building permits.

Appendix A provides a copy of Historical Documents

Remedial Action Plan, performed by Eastern Environmental Solutions, Manorville, NY, December 2019

Eastern Environmental Solutions (Eastern) constructed a remedial action plan (RAP) for the remediation of the 4,105 square-foot property located at 100 East 149th Street, in the Bronx, New York (the Site). The RAP indicated the Subject Property was vacant and unoccupied and, based on previous Site investigations, it had been determined that the Subject Property had been impacted primarily by petroleum constituents. The plan was submitted to the NYCOER for their review and comment. There are currently no redevelopment plans for the Subject Property. The impact of the contamination included the apparent presence of underground storage tanks (USTs), the contamination of soil throughout most of the Subject Property, the presence of contamination in the groundwater beneath the Site, and the presence of soil vapor in the vadose zone.

At the time of the Eastern report, the Subject Property was planned for redeveloped with commercial/residential use in the future. The remediation of the Site was proposed to address the impacted soil/fill material, groundwater, and potential soil vapor prior to/during redevelopment. The proposed remediation of the Subject Property included the excavation of soil/fill material throughout the Site to a depth of approximately 14-feet (the depth at which the water table is encountered) as well as the off-site disposal of contaminated soil and the sampling of the four existing groundwater monitoring wells to determine current concentrations of groundwater contamination, confirm depth to groundwater, and the removal of the USTs. Once the excavation had been completed, a pump truck and house will be used to remove a minimum of 2,000-gallons of contaminated water from the bottom of the excavation. Prior to the excavation of the Site, the area of apparent USTs would be addressed, and the USTs and their contents would be removed and properly disposed of.

The Remedial Action Plan indicated a Phase II Environmental Site Assessment (ESA) was conducted in January 2019 which indicated the Subject Property had been primarily impacted by petroleum and identified an area of concern for the Subject Property regarding the presence of apparent USTs identified in the southern-central portion of the Subject Property. Additionally, the soil at the Subject Property represented an AOC as many areas showed the presence of contaminants and the generation of soil vapor, and groundwater contained petroleum constituents at concentrations above the GQS.

The RAWP was not implemented since the site development has been postponed until a future time.

Appendix A provides a copy of Historical Documents.

New York State Department of Environmental Conservation Spill Incidents Database Search

In August 2020, Touchstone contacted the New York State Department of Environmental Conservation (NYSDEC) to discuss NYSDEC **Spill No. 18-10498**. According to the NYSDEC Spill Incidents Database, the Spill was reported on January 15, 2019 in connection with the presence of petroleum impacted soil at the Subject Property due to the past operation of the Subject Property as a gasoline station or other PBS facility.

In phone conversations with the NYSDEC, they recommended the resampling of the four (4) groundwater monitoring wells installed by Eastern Environmental. Since the monitoring wells installed by Eastern Environmental were not identified at the Site, Touchstone recommended the installation and sampling of four monitoring wells and four soil probes. The NYSDEC approved this plan and Touchstone proceeded with the work, as documented in this Phase II ESA. **Appendix A** provides a copy of Historical Documents.

1.3 Scope of Work

The purpose of this investigation was to determine if the areas of concern, including the presence of underground storage tanks (USTs) related to the historic use of the Subject Property as a gasoline station, identified by Eastern Environmental Solutions' (Eastern) Remedial Investigation dated July 2019 have impacted upon the environmental quality of the Subject Property. The investigation consisted of the installation and sampling of four (4) soil probes to depth of 10-feet below grade. A total of eight (8) soil samples were analyzed for volatile organic compounds (VOCs) via EPA Method 8260 and semi-volatile organic compounds (SVOCs) via EPA Method 8270 (base neutrals). Additionally, four monitoring wells were installed throughout the Subject Property. A total of five monitoring wells (four installed during the investigation and one which was already present on the public sidewalk west of the Subject Property) were sampled and a total of five groundwater samples were analyzed for VOCs via EPA Method 8260 and SVOCs via EPA Method 8270 (base neutrals).

2.0 PHASE II ENVIRONMENTAL SITE ASSESSMENT FIELDWORK

2.1 Investigation Procedures

Prior to invasive work, the one-call utility mark-outs were completed in accordance with local laws to locate buried electric, natural gas, telecommunication utilities, etc. Touchstone Environmental Geology was on-site to oversee the investigation on September 15, 2020. **Appendix B** provides photographs of the fieldwork.

2.2 Geophysical Survey

The investigation initially consisted of the performance of a Ground Penetrating Radar (GPR) Survey performed by PG Environmental, Corp of Hauppauge, New York. The survey was performed by trained personnel utilizing a GSSI SIR-3000 fitted with a 400 MHz shielded antenna. The GPR survey was intended to determine if underground storage tanks (USTs) are located at the Subject Property and to generally characterize the subsurface stratigraphic conditions and clear potential sampling locations of sub-grade instructions. The GPR survey was conducted throughout the Subject Property and identified an anomaly in the western-central portion of the Subject Property during the GPR survey.

2.3 Soil Sampling

The soil investigation was then performed. A total of four soil probes (designated SP-1 through SP-4) were installed by PG Environmental, Corp with a Geoprobe. Soil Probe SP-1 was installed in the southwestern portion of the Subject Property, Soil Probe SP-2 was installed in the central portion of the Subject Property, Soil Probe SP-3 was installed north of SP-2, and Soil Probe SP-4 was installed in the northeastern portion of the Subject Property. All four soil probes were installed to a depth of 10 feet below grade at which depth the groundwater was encountered. Photographs of the fieldwork are provided in **Appendix B**.

The soil samples were screened at 2-foot intervals by visual and olfactory means and using a calibrated photoionization detector (PIC). Soil boring logs were prepared by Mr. Mehmet Ataman for all soil samples to document subsurface conditions, including a description of the following: soil/fill types; soil screening results from field visual, olfactory, and PID; depth to groundwater; soil characteristics; appearance, presence of odor, vapors, soil discoloration; and presence of free and/or residual product. The general soil type consisted of medium grained brown sand. No elevated levels of any organic vapors were identified. Soil probe logs are provided as **Appendix C**.

A total of eight samples (SP-1 (2.5 to 5 feet and 7.5 to 10 feet), SP-2 (2.5 to 5 feet and 12.5 to 15 feet), SP-3 (7.5 to 10 feet and 10 to 12.5 feet), SP-4 (5 to 7.5 feet and 10 to 12.5 feet) were submitted to the laboratory for analysis. The eight samples were analyzed for Volatile Organic Compounds (VOCs) via EPA Method 8260 and Semi-Volatile Organic Compounds (SVOCs) via EPA Method 8270BN. **Appendix D** provides the analytical data.

2.4 Monitoring Wells

A total of five monitoring wells designated MW-1 through MW-4 were installed throughout the Subject Property and monitoring well MW-5 was already present on the public sidewalk to the west of the Subject Property. Monitoring wells MW-1, MW-2, and MW-3 were installed within soil probe locations SP-1, P-2, and SP-3 respectively. Monitoring well MW-4 was installed to the northwest of soil probe SP-4 near East 149th Street. See **Figure 2** for monitoring well locations. The monitoring wells were installed with a Geoprobe using direct push technology.

All monitoring wells were installed to a depth of 20 feet below grade. The wells are constructed with 2-inch diameter PVC well screen and riser into the open soil boring borehole. The well screen was placed 10 feet into the water table and 5 feet above the water table. The remaining portion of the well was solid riser. The proper screen size annulus around the well screen was filled with clean, appropriately sized silica sand.

2.5 Water Level Measurement

Prior to the collection of groundwater samples, the depth to water in each well was measured. One round of static water levels was obtained prior to groundwater purging and sampling to determine groundwater elevation and groundwater flow direction. Water level data is included in **Table 1**. Groundwater head measurements were collected utilizing a Solinst® 122 Oil/Water Interface Probe (Interface Probe). The Interface Probe can measure depths to water to 0.01 inch. The depth to water was measured in each well from the northern portion of the casing top. The depth to groundwater was gauged on September 15, 2020. The results revealed the depth to water as follows:

- MW-1: 14.20 feet
- MW-2: 14.15 feet
- MW-3: 14.70 feet
- MW-4: 11.40 feet
- MW-5: Not Measured

Depth to water was not measured in well MW-5 due to its location on the public sidewalk, not within the Subject Property Boundary.

2.6 Groundwater Survey

A survey was used to identify the location of the monitoring wells. The elevations of all installed monitoring wells were surveyed relative to a permanent surface benchmark. A qualified surveyor performed all survey work reported in the RIR. The surveyor is Carlos Quinonez of PG Environmental, Corp. The survey results are provided in **Table 1**. The results of the survey indicated the groundwater is flowing across the Subject Property toward the west in the direction of the Harlem River. The groundwater direction flow diagram is presented in **Figure 3**.

2.7 Groundwater Sampling

One representative groundwater sample was collected from each well using a peristaltic pump and dedicated Teflon tubing. A total of five groundwater samples taken from MW-1 through MW-5 were submitted to the laboratory for analysis. Groundwater samples were tested for Volatile Organic Compounds (VOCs) via EPA Method 8260 and Semi-Volatile Organic Compounds (SVOCs) via EPA Method 8270BN. **Appendix D** provides the analytical data.

2.8 Decontamination Procedures and Quality Assurance/Quality Control

Each piece of sampling or other down hole equipment was decontaminated prior to each use in order to ensure that cross-contamination between sampling locations did not occur. The following procedure was utilized in the decontamination process:

- Wipe clean and wash with Alconox[®]
- Potable water rinse
- Methanol rinse
- Deionized water rinse
- Air dry

All decontamination procedures were performed in an area segregated from any sampling areas. Any rinsate from the decontamination area was contained and removed from the Site.

All samples were properly handled and placed into the appropriately labeled containers. The samples were placed in a cooler filled with ice and maintained at a maximum of 4 degrees Celsius. All samples were transmitted under proper chain of custody procedures to a State-certified (ELAP) laboratory for confirmatory laboratory analyses. All holding times were met. The laboratory did not report any irregularities with respect to their internal Quality Assurance/Quality Control.

2.9 Investigation Derived Waste

All investigatory derived waste (IDW) was placed into a 55-gallon drum and properly transported and disposed of. Additionally, the 55-gallon drum identified during the fieldwork was properly transported by Island Pump & Tank Corp and Republic Environmental Systems and was disposed of at Northland Environmental in Providence, Rhode Island. A copy of the waste manifest is provided in **Appendix E**.

3.0 ENVIRONMENTAL FINDINGS

3.1 Soil Samples

A total of eight (8) soil samples (SP-1 (2.5 feet to 5 feet and 7.5 feet to 10 feet), SP-2 (2.5 feet to 5 feet and 12.5 feet to 15 feet), SP-3 (7.5 feet to 20 feet and 10 to 12.5 feet), and SP-4 (5 to 7.5 feet and 10 to 12.5 feet)) were submitted to the laboratory for analysis. The laboratory analytical results are provided in **Table 2A** and **Table 2B**. **Table 2A** and **Table 2B** provide a comparison to the Unrestricted Use Soil Cleanup Objective (UUSCO) as provided in the NYSDEC Part 375. The results in **Table 2A** and **Table 2B** are provided in milligram per kilogram (mg/Kg).

As indicated in **Table 2A**, no VOCs were detected in the 7.5 to 10-foot sample from SP-1 at concentrations greater than their respective MDL. Four VOCs, Ethyl Benzene (7.50 mg/Kg), n-Propylbenzene (15 mg/Kg), Toluene (1.10 mg/Kg), and Xylenes, Total (3.40 mg/Kg) were detected in the 2.5 to 5-foot sample from SP-2 at concentrations greater than their respective UUSCO. Seven VOCs, 1,2,4-Trimethylbenzene (36 mg/Kg), 1,3,5-Trimethylbenzene (15 mg/Kg), Benzene (0.960 mg/Kg), Ethyl Benzene (17 mg/Kg), n-Propylbenzene (6.900 mg/Kg), Toluene (2.400 mg/Kg), and Xylenes, Total (36 mg/Kg) were detected in the 12.5-15-foot sample from SP-2 at concentrations greater than their respective UUSCO. Six VOCs, 1,2,4-Trimethylbenzene (61 mg/Kg), 1,3,5-Trimethylbenzene (12 mg/Kg), Ethyl Benzene (4.4 mg/Kg), Methylene Chloride (0.700 mg/Kg), n-Propylbenzene (17 mg/Kg), and Xylenes, Total (3 mg/Kg) were detected in the 10 to 12.5-foot sample from SP-3 at concentrations exceeding their respective UUSCO. Two VOCs, Benzene (0.470 mg/Kg) and Xylenes, Total (0.690 mg/Kg) were detected in the 5 to 7.5-foot sample from SP-4 at concentrations exceeding their respective UUSCO. One VOC, Benzene (0.950 mg/Kg), was detected in the 10 to 12.5-foot sample from SP-4 at a concentration exceeding its UUSCO.

One VOC, 2-Butanone was detected in the 2.5 to 5-foot sample from SP-1 at a concentration exceeding its MDL but less than its UUSCO. Three VOCs, 1,2,4-Trimethylbenzene, n-butylbenzene, and sec-butylbenzene, were detected in the 2.5 to 5-foot sample from SP-2 at concentrations greater than their respective MDL but less than their respective UUSCO. Two VOCs, n-butylbenzene, and sec-butylbenzene, were detected in the 12.5 to 15-foot sample from SP-2, the 10 to 12.5-foot sample from SP-3, and the 10 to 12.5-foot sample from SP-4 at concentrations greater than their respective MDL but less than their respective UUSCO. Additionally, n-propylbenzene was detected in the 10 to 12.5-foot sample from SP-4 at a concentration greater than its MDL but less than its UUSCO. Five VOCs, 1,2,4-Trimethylbenzene, Ethyl Benzene, n-propylbenzene, sec-butylbenzene, and toluene were detected in the 5 to 7.5-foot sample from SP-4 at concentrations greater than their respective MDL but less than their respective UUSCO.

The compounds Isopropylbenzene, Methylcyclohexane, o-Xylene, p- & m- Xylenes, and p-isopropyltoluene were detected in the 2.5 to 5-foot and 12.5 to 15-foot samples from SP-2 at concentrations greater than their respective MDL, however there is no reported UUSCO for these compounds. Cyclohexane was detected in the 12.5 to 15-foot sample from SP-2 at a concentration greater than its MDL, however there is no reported UUSCO for this compound. Isopropylbenzene, Methylcyclohexane, p- & m- Xylenes, and p-isopropyltoluene were detected in the 10 to 12.5-foot sample from SP-3 at concentrations greater than their respective MDL, however there is no reported UUSCO for these compounds. Isopropylbenzene, Methylcyclohexane, and p- & m- Xylenes were detected in the 5 to 7.5-foot sample from SP-4 at concentrations greater than their respective MDL, however there is no reported UUSCO for these compounds. Cyclohexane, isopropylbenzene, and Methylcyclohexane were detected in the 10 to 12.5-foot sample from SP-4 at concentrations greater than their respective MDL, however there is no reported UUSCO for these compounds.

Acetone was detected in the 2.5 to 5-foot sample from SP-1 (0.650 mg/Kg) at a concentration greater than its UUSCO of 0.05 mg/Kg. Additionally, Acetone was detected at a concentration greater than its MDL but less than its UUSCO in the 7.5 to 10-foot sample from SP-3. No other VOCs were detected at concentrations greater than their respective MDL in the 7.5 to 10-foot sample from SP-3.

As indicated in **Table 2B**, no SVOCs were detected in the 3.5 to 5-foot sample from SP-2 or the 10 to 12.5-foot sample from SP-3 at concentrations exceeding their UUSCO. Seven SVOCs including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd)pyrene were detected in the 2.5 to 5-foot and 7.5 to 10-foot samples from SP-1, the 12.5 to 15-foot sample from SP-2, the 7.5 to 10-foot sample from SP-3, and the 5 to 7.5-foot and 10 to 12.5-foot samples from SP-4 at concentrations exceeding their respective UUSCO. Detected concentrations of the above listed SVOCs are presented in the following table in mg/Kg:

Compound	SP-1 2.5-5	SP-1 7.5-10	SP-2 12.5-15	SP-3 7.5-10	SP-4 5-7.5	SP-4 10-12.5
benzo(a)anthracene	3.640	6.950	1.800	2.720	19.700	2.670
benzo(a)pyrene	4.080	6.610	2.170	3.080	21	3.250
benzo(b)fluoranthene	2.650	4.970	1.690	2.400	15.900	2.520
benzo(k)fluoranthene	2.120	4.700	1.550	2.220	14.800	2.110
chrysene	2.960	5.940	2.020	2.980	18.200	3.030
dibenzo(a,h)anthracene	0.756	1.050	0.478	0.691	1.130	0.657
indeno(1,2,3-cd)pyrene	2.540	4.540	1.550	2.120	14.700	2.220

Benzo(g,h,i)perylene was detected in the 7.5 to 10-foot sample from SP-1 (4.240 mg/Kg) at a concentration exceeding its UUSCO. Napthalene was detected in the 12.5 to 15-foot sample from SP-2 (50.800 mg/Kg) at a concentration exceeding its UUSCO.

Nine SVOCs, Acenaphthene, Acenaphthylene, Anthracene, Dibenzofuran, Fluoranthene, Fluorene, Napthalene, Phenanthrene, and Pyrene were detected in the 2.5 to 5-foot and 7.5 to 10-foot samples from SP-1, the 7.5 to 10-foot and 10 to 12.5-foot samples from SP-3, and the 5 to 7.5-foot sample from SP-4 at concentrations greater than their respective MDL but less than their respective UUSCO. Benzo(g,h,i)perylene was detected in the 2.5 to 5-foot sample from SP-1, the 2.5 to 5-foot and 12.5 to 15-foot samples from SP-2, the 7.5 to 10-foot and 10 to 12.5-foot samples from SP-3, and the 5 to 7.5-foot and 10 to 12.5-foot samples from SP-4 at concentrations exceeding its MDL but less than its UUSCO. Ten SVOCs, including Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene, Fluoranthene, Indeno(1,2,3-cd)pyrene, Napthalene, Phenanthrene, and Pyrene were detected in the 2.5 to 5-foot sample from SP-2 at concentrations greater than their respective MDL but less than their respective UUSCO. Four SVOCs, Acenaphthene, Fluoranthene, Phenanthrene, and Pyrene were detected in the 12.5 to 15-foot sample from SP-2 at concentrations exceeding their respective MDL but less than their respective UUSCO. Seven SVOCs, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene, Dibenzo(a,h)anthracene, and Indeno(1,2,3-cd)pyrene were detected in the 10 to 12.5-foot sample from SP-3 at concentrations greater than their MDL but less than their respective UUSCO. Six SVOCs, Acenaphthene, Anthracene, Fluoranthene, Fluorene, Phenanthrene, and Pyrene were detected in the 10 to 12.5-foot sample from SP-4 at concentrations greater than their MDL but less than their respective UUSCO.

2-Methylnaphthalene and Carbazole were detected in the 2.5 to 5-foot and 7.5 to 10-foot samples from SP-1, the 12.5 to 15-foot sample from SP-2, the 7.5 to 10-foot and 10 to 12.5-foot samples from SP-3, the 5 to 7.5-foot sample from SP-4 at concentrations exceeding their respective MDL, however there is no UUSCO reported for these compounds. 2-Methylnaphthalene was also detected in the 2.5 to 5-foot sample from SP-2 and the 10 to 12.5-foot sample from SP-4 at concentrations exceeding its MDL, however there is no reported UUSCO for this compound.

3.2 Groundwater Chemistry

A total of five (5) groundwater samples identified as MW-1 through MW-5 were submitted to the laboratory for analysis. The laboratory analytical results are provided in **Table 3A** and **Table 3B** and provide a comparison to the NYSDEC TOGS Standards and Guidance Values – GA. The results in **Table 3A** and **Table 3B** are provided in micrograms per liter (ug/L).

Table 3A indicates nine VOCs, 1,3,5-Trimethylbenzene, Benzene, Ethyl Benzene, Isopropylbenzene, n-Butylbenzene, n-Propylbenzene, p- & m-Xylenes, Toluene, and Xylenes, Total were detected in groundwater samples MW-1, MW-2, MW-4, and MW-5 at concentrations exceeding their respective NYSDEC TOGS Standards. Detected concentrations of the above listed VOCs are presented in the following table in ug/L:

Compound	MW-1	MW-2	MW-4	MW-5
1,3,5-Trimethylbenzene	84	210	38	100
Benzene	5.300	520	9	88
Ethyl Benzene	120	400	130	180
Isopropylbenzene	33	84	88	78
n-Butylbenzene	20	42	37	29
n-Propylbenzene	87	210	200	220
p- & m-Xylenes	31	260	120	490
Toluene	11	100	73	70
Xylenes, Total	40	260	140	580

Additionally, three VOCs, o-Xylene (9 ug/L), Isopropyltoluene (33 ug/L), and sec-butylbenzene (8.700 ug/L) were detected in MW-1 at concentrations exceeding their NYSDEC TOGS Standard. One VOC, 1,2,4-Trimethylbenzene (84 ug/L) was detected in MW-2 at a concentration exceeding its NYSDEC TOGS Standard. Seven VOCs, 1,2,4-Trimethylbenzene (26 ug/L), Benzene (9 ug/L), Ethyl Benzene (20 ug/L), Isopropylbenzene (16 ug/L), n-Butylbenzene (7.800 ug/L), n-Propylbenzene (45 ug/L), and sec-Butylbenzene (14 ug/L) were detected in MW-3 at concentrations exceeding their respective NYSDEC TOGS Standards. Two additional VOCs, 1,2,4-Trimethylbenzene (42 ug/L) and o-xylene (28 ug/L) were detected in MW-4 at concentrations exceeding their respective NYSDEC TOGS Standards. Three additional VOCs, 1,2,4-Trimethylbenzene (210 ug/L), o-xylene (8 ug/L), and sec-Butylbenzene (13 ug/L) were detected in MW-5 at concentrations exceeding their respective NYSDEC TOGS Standard.

One VOC, 1,2,4-Trimethylbenzene, was detected in MW-1 at a concentration greater than its MDL but less than its NYSDEC TOGS Standard. The compound Isopropyltoluene was detected in MW-5 at a concentration greater than its MDL but less than its NYSDEC TOGS Standard.

The compounds cyclohexane and methylcyclohexane were detected in all groundwater samples (MW-1 through MW-5) at concentrations greater than their respective MDL, however there are no reported NYSDEC TOGS Standards for these compounds.

Table 3B indicates, nine SVOCs (2-Methylnaphthalene, Acenaphthene, Acenaphthylene, Anthracene, Benzo(g,h,i)perylene, Fluoranthene, Fluorene, Phenanthrene, and Pyrene) were detected in MW-1 and MW-2 at concentrations greater than their respective MDL but less than their respective NYSDEC TOGS Standard. Eight SVOCs (Acenaphthene, Anthracene, Benzo(g,h,i)perylene, Fluoranthene, Fluorene, Naphthalene, Phenanthrene, and Pyrene) were detected in MW-3 at concentrations greater than their respective MDL but less than their respective NYSDEC TOGS Standard. Eight SVOCs (2-Methylnaphthalene, Acenaphthene, Anthracene, Benzo(g,h,i)perylene, Fluoranthene, Fluorene, Phenanthrene, and Pyrene) were detected in MW-4 at concentrations greater than their respective MDL but less than their respective NYSDEC TOGS Standard. Seven SVOCs (2-Methylnaphthalene, Acenaphthene, Anthracene, Fluoranthene, Fluorene, Phenanthrene, and Pyrene)

were detected in MW-5 at concentrations greater than their MDL but less than their respective NYSDEC TOGS Standards.

Additionally, seven SVOCs, Benzo(a)anthracene (MW-1: 0.267 ug/L, MW-2: 0.188 ug/L, MW-4: 0.100 ug/L), Benzo(a)pyrene (MW-1: 0.178 ug/L, MW-2: 0.188 ug/L, MW-4: 0.0889 ug/L), Benzo(b)fluoranthene (MW-1: 0.156 ug/L, MW-2: 0.141 ug/L, MW-4: 0.0667 ug/L), Benzo(k)fluoranthene (MW-1: 0.167 ug/L, MW-2: 0.141 ug/L, MW-4: 0.0667 ug/L), Chrysene (MW-1: 0.222 ug/L, MW-2: 0.176 ug/L, MW-4: 0.0889 ug/L), Indeno(1,2,3-cd)pyrene (MW-1: 0.0778 ug/L, MW-2: 0.129 ug/L, MW-4: 0.0556 ug/L), and Naphthalene (MW-1: 46.600 ug/L, MW-2: 203 ug/L, MW-4: 85.800 ug/L), were detected in MW-1, MW-2, and MW-4 at concentrations exceeding their NYSDEC TOGS Standards. Four SVOCs, Benzo(a)anthracene (0.0500 ug/L), Benzo(a)pyrene (0.0600 ug/L), Benzo(b)fluoranthene (0.0800 ug/L), and Chrysene (0.0600 ug/L) were detected in MW-3 at concentrations exceeding their NYSDEC TOGS Standards. Two SVOCs, Benzo(a)anthracene (0.0500 ug/L) and Naphthalene (175 ug/L) were detected in MW-5 at concentrations exceeding their NYSDEC TOGS Standards.

4.0 CONCLUSIONS

The results of the Phase II ESA investigation indicate the historic use of the gasoline station has impacted the Subject Property as evidenced by the soil and groundwater analytical results of soil probes SP-2, SP-3, and SP-4 as and groundwater samples from MW-1 through MW-5. The shallow soil in the central portion (SP-2, 12.5 to 15 feet) and the northern portion (SP-4, 5 to 7.5 feet) of the Subject Property appears to be impacted with low levels of gasoline compounds (SP-2, 12.5 to 15-feet Total VOCs: 200.66 mg/Kg and Total BTEX concentration: 56.360 mg/Kg; SP-4, 5 to 7.5-feet Total VOCs: 5.23 mg/Kg and Total BTEX concentration: 1.920 mg/Kg).

Additionally, petroleum compounds were identified in the soil within the vadose zone as evidenced by the 12.5 to 15-foot sample from SP-2 (12.5 to 15-feet, Total VOCs: 200.66 mg/Kg and Total BTEX concentration: 56.360 mg/Kg) in the central portion of the property. The petroleum impacts within the vadose zone are also present in the northern portion of the Subject Property as evidenced by the analytical results from SP-3 (10 to 12.5-feet, Total VOCs: 116.60 mg/Kg and Total BTEX concentration: 7.400 mg/Kg) and SP-4 (10 to 12.5-feet Total VOCs: 61.110 mg/Kg and Total BTEX concentration: 0.950 mg/Kg).

Additionally, polyaromatic hydrocarbons (PAHs) were identified in all soil samples. PAHs are commonly found in soil throughout Brooklyn and is most likely related to the presence of urban fill material rather than a release of petroleum at the site. No VOCs were detected in the 7.5 to 10-foot sample from soil probe SP-1 or in the 2.5 to 5-foot sample from SP-1 with the exception of Acetone. Additionally, no SVOCs were detected in the 2.5 to 5-foot sample from SP-2 or in the 10 to 12.5-foot sample from SP-3 at concentrations exceeding their respective UUSCO.

The results of the Phase II ESA further indicated levels of gasoline compounds were detected at concentrations exceeding the GQS. The groundwater appears to have been impacted throughout the Subject Property and extends to the sidewalk to the west and downgradient of the Subject Property. The greatest BTEX concentration (1,280 ug/L) and the greatest total VOC concentration (3,306 ug/L) was identified in MW-2 which is located in the central portion of the Subject Property. According to the groundwater survey performed during the investigation the groundwater flow direction is towards the west. Lower levels of total VOCs and BTEX were detected on the sidewalk downgradient of the Subject Property (MW-5), and in the northern portion of the Subject Property (MW-4). The total BTEX concentrations beneath the sidewalk include 918 ug/L in MW-5, with a total VOC concentration of 2,809 ug/L. The northern most monitoring well on the Subject Property, MW-4, included a total BTEX concentration of 1,163 ug/L and a total VOC concentration of 2,766 ug/L. The total BTEX concentration in the southern portion of the Subject Property in MW-1 included 176 ug/L with a total VOC concentration of 1,342 ug/L. The lowest levels of BTEX and VOC concentrations were identified in MW-3 in the northern central portion of the property and included a total BTEX concentration of 29 ug/L and a total VOC concentration of 200 ug/L.

Based upon the nature of the contaminants, the prior use of the Subject Property as a gasoline station at 100 East 149th Street still appears to be the source of the gasoline contamination on-site. This is evidenced by the fact that gasoline compounds were detected in the unsaturated soil, vadose zones, and in the sampled groundwater during the current Phase II.

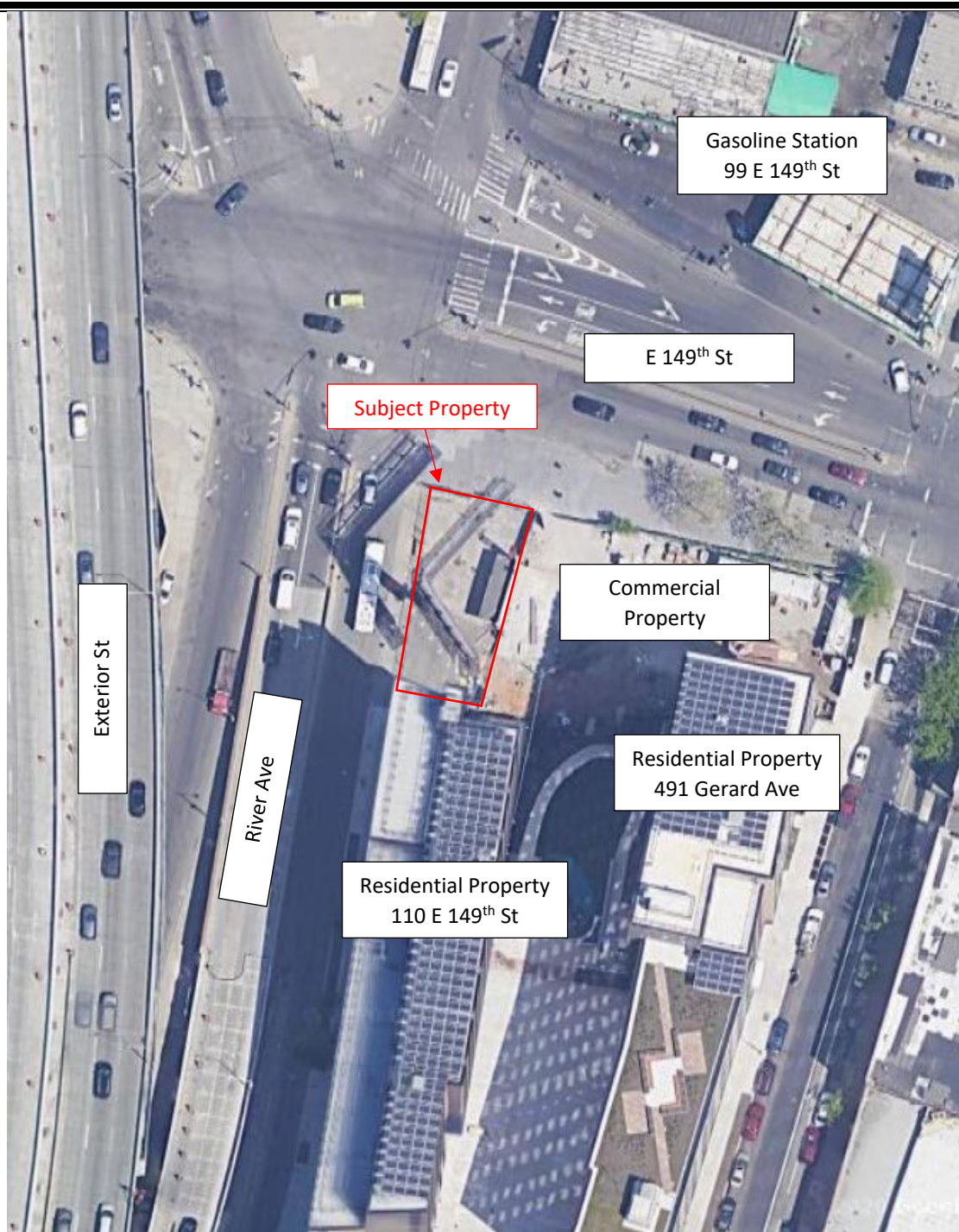
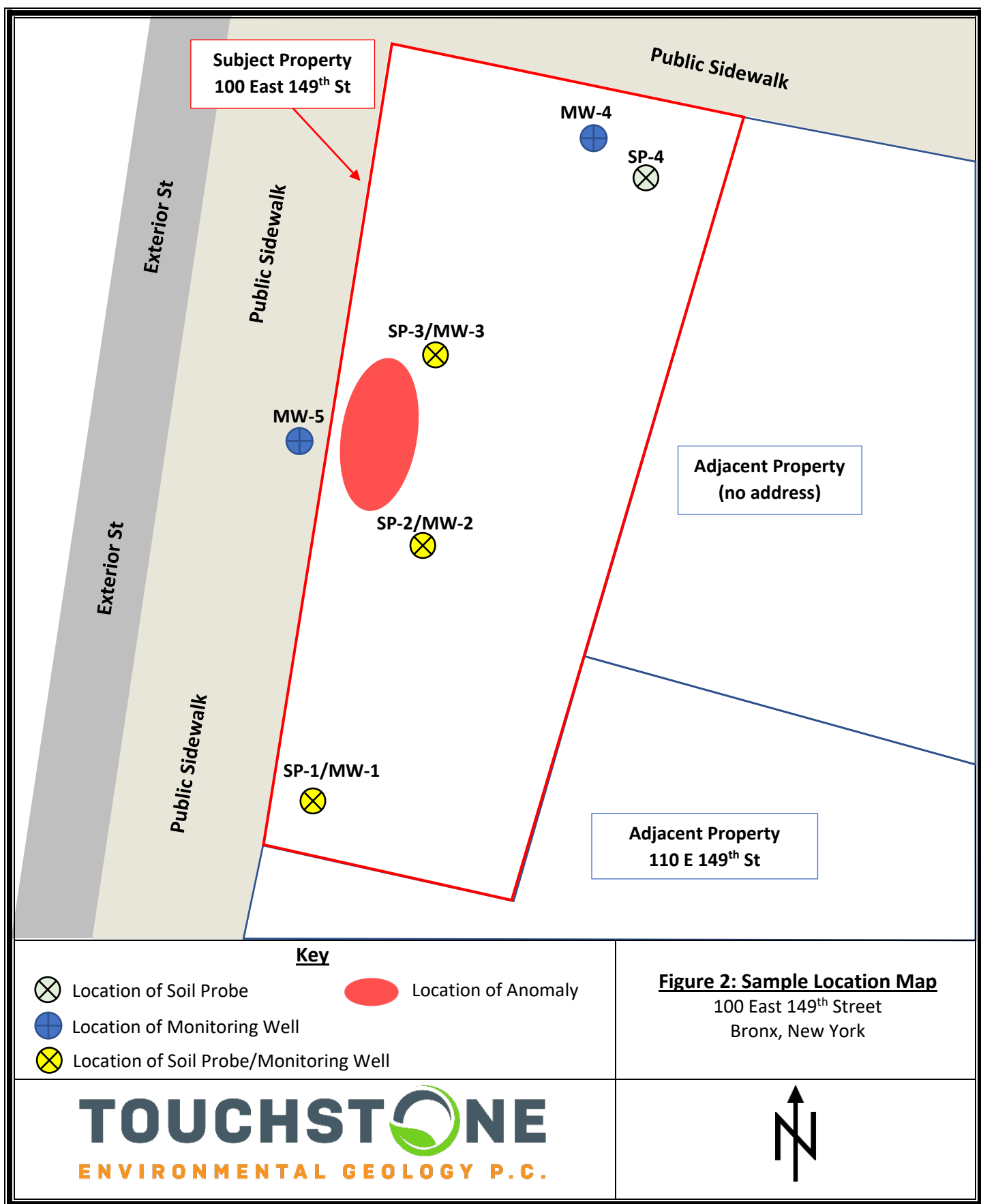


Figure 1: Location Map

100 East 149th St
Bronx, New York





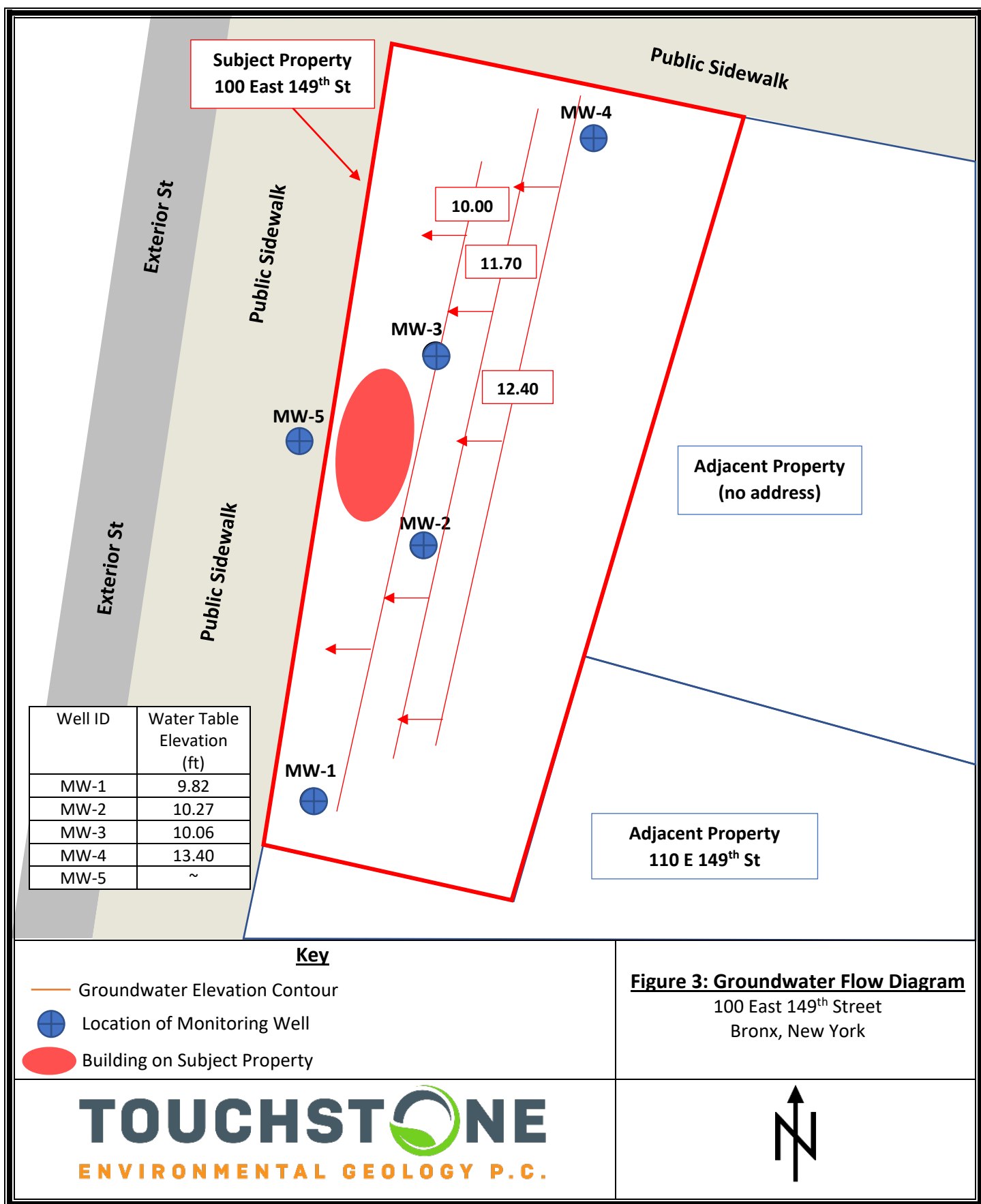


Table 1
Groundwater Monitoring Data - October 2020
100 East 149th Street, Bronx, NY

Well ID	Benchmark	Shot	DTW	Water Table Elevation (ft)
MW-1	30	5.20	11.40	13.40
MW-2	30	5.24	14.70	10.06
MW-3	30	5.58	14.15	10.27
MW-4	30	5.98	14.20	9.82

All values reported in feet.

DTW...Depth to Water

DTP...Depth to Product

ND...None Detected

Table 2A
Soil Volatile Organic Compounds Analytical Results
100 East 149th Street, Bronx, New York

Sample ID		SP1 2.5-5		SP1 7.5-10		SP2 2.5-5		SP2 12.5-15		SP3 7.5-10		SP3 10-12.5		SP4 5-7.5		SP4 10-12.5		NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives
Sampling Date	Client Matrix	9/15/2020 Soil		9/15/2020 Soil		9/15/2020 Soil		9/15/2020 Soil		9/15/2020 Soil		9/15/2020 Soil		9/15/2020 Soil		9/15/2020 Soil		
Unit		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		
Compound		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	
1,1,1,2-Tetrachloroethane		0.00240	U	0.00230	U	0.420	U	0.250	U	0.00330	U	0.350	U	0.220	U	0.310	U	
1,1,1-Trichloroethane		0.00240	U	0.00230	U	0.420	U	0.250	U	0.00330	U	0.350	U	0.220	U	0.310	U	0.68
1,1,2,2-Tetrachloroethane		0.00240	U	0.00230	U	0.420	U	0.250	U	0.00330	U	0.350	U	0.220	U	0.310	U	~
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		0.00240	U	0.00230	U	0.420	U	0.250	U	0.00330	U	0.350	U	0.220	U	0.310	U	~
1,1,2-Trichloroethane		0.00240	U	0.00230	U	0.420	U	0.250	U	0.00330	U	0.350	U	0.220	U	0.310	U	~
1,1-Dichloroethane		0.00240	U	0.00230	U	0.420	U	0.250	U	0.00330	U	0.350	U	0.220	U	0.310	U	0.27
1,1-Dichloroethylene		0.00240	U	0.00230	U	0.420	U	0.250	U	0.00330	U	0.350	U	0.220	U	0.310	U	0.33
1,2,3-Trichlorobenzene		0.00240	U	0.00230	U	0.420	U	0.250	U	0.00330	U	0.350	U	0.220	U	0.310	U	~
1,2,3-Trichloropropane		0.00240	U	0.00230	U	0.420	U	0.250	U	0.00330	U	0.350	U	0.220	U	0.310	U	~
1,2,4-Trichlorobenzene		0.00240	U	0.00230	U	0.420	U	0.250	U	0.00330	U	0.350	U	0.220	U	0.310	U	~
1,2,4-Trimethylbenzene		0.00240	U	0.00230	U	1.600	D	36	DE	0.00330	U	61	D	0.420	JD	0.310	U	3.6
1,2-Dibromo-3-chloropropane		0.00240	U	0.00230	U	0.420	U	0.250	U	0.00330	U	0.350	U	0.220	U	0.310	U	~
1,2-Dibromoethane		0.00240	U	0.00230	U	0.420	U	0.250	U	0.00330	U	0.350	U	0.220	U	0.310	U	~
1,2-Dichlorobenzene		0.00240	U	0.00230	U	0.420	U	0.250	U	0.00330	U	0.350	U	0.220	U	0.310	U	1.1
1,2-Dichloroethane		0.00240	U	0.00230	U	0.420	U	0.250	U	0.00330	U	0.350	U	0.220	U	0.310	U	0.02
1,2-Dichloropropane		0.00240	U	0.00230	U	0.420	U	0.250	U	0.00330	U	0.350	U	0.220	U	0.310	U	~
1,3,5-Trimethylbenzene		0.00240	U	0.00230	U	0.420	U	15	D	0.00330	U	12	D	0.220	U	0.310	U	8.4
1,3-Dichlorobenzene		0.00240	U	0.00230	U	0.420	U	0.250	U	0.00330	U	0.350	U	0.220	U	0.310	U	2.4
1,4-Dichlorobenzene		0.00240	U	0.00230	U	0.420	U	0.250	U	0.00330	U	0.350	U	0.220	U	0.310	U	1.8
1,4-Dioxane		0.0480	U	0.0450	U	8.300	U	5	U	0.0660	U	7	U	4.500	U	6.100	U	0.1
2-Butanone		0.0160	U	0.00230	U	0.420	U	0.250	U	0.00330	U	0.350	U	0.220	U	0.310	U	0.12
2-Hexanone		0.00240	U	0.00230	U	0.420	U	0.250	U	0.00330	U	0.350	U	0.220	U	0.310	U	~
4-Methyl-2-pentanone		0.00240	U	0.00230	U	0.420	U	0.250	U	0.00330	U	0.350	U	0.220	U	0.310	U	~
Acetone		0.0650	U	0.00450	U	0.830	U	0.500	U	0.0260	U	0.700	U	0.450	U	0.610	U	0.05
Acrolein		0.00480	U	0.00230	U	0.830	U	0.500	U	0.00660	U	0.700	U	0.450	U	0.610	U	~
Acrylonitrile		0.00240	U	0.00230	U	0.420	U	0.250	U	0.00330	U	0.350	U	0.220	U	0.310	U	~
Benzene		0.00240	U	0.00230	U	0.420	U	0.960	D	0.00330	U	0.350	U	0.470	D	0.950	D	0.06
Bromochloromethane		0.00240	U	0.00230	U	0.420	U	0.250	U	0.00330	U	0.350	U	0.220	U	0.310	U	~
Bromodichloromethane		0.00240	U	0.00230	U	0.420	U	0.250	U	0.00330	U	0.350	U	0.220	U	0.310	U	~
Bromoform		0.00240	U	0.00230	U	0.420	U	0.250	U	0.00330	U	0.350	U	0.220	U	0.310	U	~
Bromomethane		0.00240	U	0.00230	U	0.420	U	0.250	U	0.00330	U	0.350	U	0.220	U	0.310	U	~
Carbon disulfide		0.00240	U	0.00230	U	0.420	U	0.250	U	0.00330	U	0.350	U	0.220	U	0.310	U	~
Carbon tetrachloride		0.00240	U	0.00230	U	0.420	U	0.250	U	0.00330	U	0.350	U	0.220	U	0.310	U	0.76
Chlorobenzene		0.00240	U	0.00230	U	0.420	U	0.250	U	0.00330	U	0.350	U	0.220	U	0.310	U	1.1
Chloroethane		0.00240	U	0.00230	U	0.420	U	0.250	U	0.00330	U	0.350	U	0.220	U	0.310	U	~
Chloroform		0.00240	U	0.00230	U	0.420	U	0.250	U	0.00330	U	0.350	U	0.220	U	0.310	U	0.37
Chloromethane		0.00240	U	0.00230	U	0.420	U	0.250	U	0.00330	U	0.350	U	0.220	U	0.310	U	~
cis-1,2-Dichloroethylene		0.00240	U	0.00230	U	0.420	U	0.250	U	0.00330	U	0.350	U	0.220	U	0.310	U	0.25
cis-1,3-Dichloropropylene		0.00240	U	0.00230	U	0.420	U	0.250	U	0.00330	U	0.350	U	0.220	U	0.310	U	~
Cyclohexane		0.00240	U	0.00230	U	0.420	U	8.900	D	0.00330	U	0.350	U	0.220	U	16	D	~
Dibromochloromethane		0.00240	U	0.00230	U	0.420	U	0.250	U	0.00330	U	0.350	U	0.220	U	0.310	U	~
Dibromomethane		0.00240	U	0.00230	U	0.420	U	0.250	U	0.00330	U	0.350	U	0.220	U	0.310	U	~
Dichlorodifluoromethane		0.00240	U	0.00230	U	0.420	U	0.250	U	0.00330	U	0.350	U	0.220	U	0.310	U	~
Ethyl Benzene		0.00240	U	0.00230	U	7.500	D	17	D	0.00330	U	4.400	D	0.250	JD	0.310	U	1
Hexachlorobutadiene		0.00240	U	0.00230	U	0.420	U	0.250	U	0.00330	U	0.350	U	0.220	U	0.310	U	~
Isopropylbenzene		0.00240	U	0.00230	U	4	D	2	D	0.00330	U	3.400	D	0.300	JD	1.600	D	~
Methyl acetate		0.00240	U	0.00230	U	0.420	U	0.250	U	0.00330	U	0.350	U	0.220	U	0.310	U	~
Methyl tert-butyl ether (MTBE)		0.00240	U	0.00230	U	0.420	U	0.250	U	0.00330	U	0.350	U	0.220	U	0.310	U	0.93
Methylcyclohexane		0.00240	U	0.00230	U	120	D	36	DE	0.00330	U	8.100	D	0.720	D	38	D	~
Methylene chloride		0.00480	U	0.00450	U	0.830	U	0.500	U	0.00660	U	0.700	U	0.450	U	0.610	U	0.05
n-Butylbenzene		0.00240	U	0.00230	U	6.400	D	1.500	D	0.00330	U	5	D	0.220	U	0.950	D	12
n-Propylbenzene		0.00240	U	0.00230	U	15	D	6.900	D	0.00330	U	17	D	0.780	D	3.100	D	3.9
p-Xylene		0.00240	U	0.00230	U	0.560	JD	7.300	D	0.00330	U	0.350	U	0.220	U	0.310	U	~
p- & m- Xylenes		0.00480	U	0.00450	U	2.800	D	29	D	0.00660	U	3	D	0.690	JD	0.610	U	~
p-Isopropyltoluene		0.00240	U	0.00230	U	0.520	JD	1	D	0.00330	U	1.800	D	0.220	U	0.310	U	~
sec-Butylbenzene		0.00240	U	0.00230	U	3.500	D	0.700	D	0.00330	U	2.900	D	0.400	JD	0.510	JD	11
Styrene		0.00240	U	0.00230	U	0.420	U	0.250	U	0.00330	U	0.350	U	0.220	U	0.310	U	~
tert-Butyl alcohol (TBA)		0.00240	U	0.00230	U	0.420	U	0.250	U	0.00330	U	0.350	U	0.220	U	0.310	U	~
tert-Butylbenzene		0.00240	U	0.00230	U	0.420	U	0.250	U	0.00330	U	0.350	U	0.220	U	0.310	U	5.9
Tetrachloroethylene		0.00240	U	0.00230	U	0.420	U	0.250	U	0.00330	U	0.350	U	0.220	U	0.310	U	1.3
Toluene		0.00240	U	0.00230	U	1.100	D	2.400	D	0.00330	U	0.350	U	0.510	D	0.310	U	0.7
trans-1,2-Dichloroethylene		0.00240	U	0.00230	U	0.420	U	0.250	U	0.00330	U	0.350	U	0.220	U	0.310	U	0.19
trans-1,3-Dichloropropylene		0.00240	U	0.00230	U	0.420	U	0.250	U	0.00330	U	0.350	U	0.220	U	0.310	U	~
trans-1,4-dichloro-2-butene		0.00240	U	0.00230	U	0.420	U	0.250	U	0.00330	U	0.350	U	0.220	U	0.310	U	~
Trichloroethylene		0.00240	U	0.00230	U	0.420	U	0.250	U	0.00330	U	0.350	U	0.220	U	0.310	U	0.47
Trichlorofluoromethane		0.00240	U	0.00230	U	0.420	U	0.250	U	0.00330	U	0.350	U	0.220	U	0.310	U	~
Vinyl Chloride		0.00240	U	0.00230	U	0.420	U	0.250	U	0.00330	U	0.350	U	0.220	U	0.310	U	0.02
Xylenes, Total		0.00720	U	0.00680	U	3.400	D	36	D	0.00990	U	3	D	0.690	JD	0.920		

NOTES:

Any Regulatory Exceedances are color coded by Regulation

Q is the Qualifier Column with definitions as follows:

D=Result is from an analysis that required a dilution

J=analyte detected at or above the MDL

Table 28
Soil Semi-Volatile Organic Compounds Analytical Results
100 East 149th Street, Bronx, New York

Sample ID	SP1 2.5-5		SP1 7.5-10		SP2 2.5-5		SP2 12.5-15		SP3 7.5-10		SP3 10-12.5		SP4 5-7.5		SP4 10-12.5		NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives
	9/15/2020		9/15/2020		9/15/2020		9/15/2020		9/15/2020		9/15/2020		9/15/2020		9/15/2020		
	Client Matrix		Soil		Soil		Soil		Soil		Soil		Soil		Soil		
	Unit		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		
	Compound	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	
1,2,4-Trichlorobenzene	0.0474	U	0.0459	U	0.0485	U	0.244	U	0.0472	U	0.0449	U	0.0448	U	0.0862	U	~
1,2-Dichlorobenzene	0.0474	U	0.0459	U	0.0485	U	0.244	U	0.0472	U	0.0449	U	0.0448	U	0.0862	U	1.1
1,3-Dichlorobenzene	0.0474	U	0.0459	U	0.0485	U	0.244	U	0.0472	U	0.0449	U	0.0448	U	0.0862	U	2.4
1,4-Dichlorobenzene	0.0474	U	0.0459	U	0.0485	U	0.244	U	0.0472	U	0.0449	U	0.0448	U	0.0862	U	1.8
2,4-Dinitrotoluene	0.0474	U	0.0459	U	0.0485	U	0.244	U	0.0472	U	0.0449	U	0.0448	U	0.0862	U	~
2,6-Dinitrotoluene	0.0474	U	0.0459	U	0.0485	U	0.244	U	0.0472	U	0.0449	U	0.0448	U	0.0862	U	~
2-Chloronaphthalene	0.0474	U	0.0459	U	0.0485	U	0.244	U	0.0472	U	0.0449	U	0.0448	U	0.0862	U	~
2-Methylnaphthalene	0.0998	D	0.618	D	0.231	D	44	D	0.154	D	0.325	D	2.790	D	0.120	JD	~
3,3-Dichlorobenzidine	0.0474	U	0.0459	U	0.0485	U	0.244	U	0.0472	U	0.0449	U	0.0448	U	0.0862	U	~
3-Nitroaniline	0.0946	U	0.0916	U	0.0969	U	0.486	U	0.0942	U	0.0896	U	0.0894	U	0.172	U	~
4-Bromophenyl phenyl ether	0.0474	U	0.0459	U	0.0485	U	0.244	U	0.0472	U	0.0449	U	0.0448	U	0.0862	U	~
4-Chloroaniline	0.0474	U	0.0459	U	0.0485	U	0.244	U	0.0472	U	0.0449	U	0.0448	U	0.0862	U	~
4-Chlorophenyl phenyl ether	0.0474	U	0.0459	U	0.0485	U	0.244	U	0.0472	U	0.0449	U	0.0448	U	0.0862	U	~
4-Nitroaniline	0.0946	U	0.0916	U	0.0969	U	0.486	U	0.0942	U	0.0896	U	0.0894	U	0.172	U	~
Acenaphthene	0.365	D	2	D	0.0485	U	0.365	JD	0.270	D	0.0523	JD	3.070	D	0.604	D	20
Acenaphthylene	0.128	D	0.0637	JD	0.0485	U	0.244	U	0.511	D	0.0767	JD	0.264	D	0.0862	U	100
Aniline	0.189	U	0.183	U	0.194	U	0.973	U	0.189	U	0.179	U	0.179	U	0.345	U	~
Anthracene	1.170	D	5.210	D	0.0485	U	0.637	D	0.913	D	0.160	D	10.600	D	0.679	D	100
Benzo(a)anthracene	3.640	D	6.950	D	0.0598	JD	1.800	D	2.720	D	0.464	D	19.700	D	2.670	D	1
Benzo(a)pyrene	4.080	D	6.610	D	0.0875	JD	2.170	D	3.080	D	0.431	D	21	D	3.250	D	1
Benzo(b)fluoranthene	2.650	D	4.970	D	0.0790	JD	1.690	D	2.400	D	0.373	D	15.900	D	2.520	D	1
Benzo(g,h,i)perylene	2.480	D	4.240	D	0.0759	JD	1.550	D	2.010	D	0.265	D	13.900	D	2.130	D	100
Benzo(k)fluoranthene	2.120	D	4.700	D	0.0596	JD	1.550	D	2.220	D	0.324	D	14.800	D	2.110	D	0.8
Benzyl butyl phthalate	0.0474	U	0.0459	U	0.0485	U	0.244	U	0.0472	U	0.0449	U	0.0448	U	0.0862	U	~
Bis(2-chloroethoxy)methane	0.0474	U	0.0459	U	0.0485	U	0.244	U	0.0472	U	0.0449	U	0.0448	U	0.0862	U	~
Bis(2-chloroisopropyl)ether	0.0474	U	0.0459	U	0.0485	U	0.244	U	0.0472	U	0.0449	U	0.0448	U	0.0862	U	~
Bis(2-chloroisopropyl)phthalate	0.0474	U	0.0459	U	0.0485	U	0.244	U	0.0472	U	0.0449	U	0.0448	U	0.0862	U	~
Bis(2-ethylhexyl)phthalate	0.0474	U	0.0459	U	0.0485	U	0.244	U	0.0472	U	0.0449	U	0.0448	U	0.0862	U	~
Carbazole	0.200	D	0.989	D	0.0485	U	0.245	JD	0.281	D	0.0466	JD	0.647	D	0.0862	U	~
Chrysene	2.960	D	5.940	D	0.0705	JD	2.020	D	2.980	D	0.491	D	18.200	D	3.030	D	1
Dibenzof(a,h)anthracene	0.756	D	1.050	D	0.0485	U	0.478	JD	0.691	D	0.0896	JD	1.130	JD	0.657	D	0.33
Dibenzofuran	0.201	D	1.390	D	0.0485	U	0.244	U	0.104	D	0.0449	U	2.210	D	0.0862	U	7
Diethyl phthalate	0.0474	U	0.0459	U	0.0485	U	0.244	U	0.0472	U	0.0449	U	0.0448	U	0.0862	U	~
Dimethyl phthalate	0.0474	U	0.0459	U	0.0485	U	0.244	U	0.0472	U	0.0449	U	0.0448	U	0.0862	U	~
Di-n-butyl phthalate	0.0474	U	0.0459	U	0.0485	U	0.244	U	0.0472	U	0.0449	U	0.0448	U	0.0862	U	~
Di-n-octyl phthalate	0.0474	U	0.0459	U	0.0485	U	0.244	U	0.0472	U	0.0449	U	0.0448	U	0.0862	U	~
Fluoranthene	7.040	D	18.700	D	0.123	D	3.480	D	5.090	D	0.939	D	46.600	D	4.200	D	100
Fluorene	0.409	D	2.150	D	0.0485	U	0.474	JD	0.267	D	0.0559	JD	3.860	D	0.378	D	30
Hexachlorobenzene	0.0474	U	0.0459	U	0.0485	U	0.244	U	0.0472	U	0.0449	U	0.0448	U	0.0862	U	0.33
Hexachlorobutadiene	0.0474	U	0.0459	U	0.0485	U	0.244	U	0.0472	U	0.0449	U	0.0448	U	0.0862	U	~
Hexachlorocyclopentadiene	0.0474	U	0.0459	U	0.0485	U	0.244	U	0.0472	U	0.0449	U	0.0448	U	0.0862	U	~
Hexachloroethane	0.0474	U	0.0459	U	0.0485	U	0.244	U	0.0472	U	0.0449	U	0.0448	U	0.0862	U	~
Indeno(1,2,3-cd)pyrene	2.540	D	4.540	D	0.0736	JD	1.550	D	2.120	D	0.279	D	14.700	D	2.220	D	0.5
Isophorone	0.0474	U	0.0459	U	0.0485	U	0.244	U	0.0472	U	0.0449	U	0.0448	U	0.0862	U	~
Naphthalene	0.0968	D	0.564	D	0.316	D	50.800	D	0.224	D	0.590	D	1.590	D	0.0862	U	12
Nitrobenzene	0.0474	U	0.0459	U	0.0485	U	0.244	U	0.0472	U	0.0449	U	0.0448	U	0.0862	U	~
N-Nitrosodimethylamine	0.0474	U	0.0459	U	0.0485	U	0.244	U	0.0472	U	0.0449	U	0.0448	U	0.0862	U	~
N-Nitroso-di-n-propylamine	0.0474	U	0.0459	U	0.0485	U	0.244	U	0.0472	U	0.0449	U	0.0448	U	0.0862	U	~
N-Nitrosodiphenylamine	0.0474	U	0.0459	U	0.0485	U	0.244	U	0.0472	U	0.0449	U	0.0448	U	0.0862	U	~
Phenanthrene	3.960	D	21.300	D	0.110	D	2.640	D	3.670	D	0.774	D	32.700	D	2.700	D	100
Pyrene	6.840	D	16.600	D	0.132	D	3.690	D	5.870	D	0.956	D	40.900	D	5.360	D	100
Pyridine	0.189	U	0.183	U	0.194	U	0.973	U	0.189	U	0.179	U	0.179	U	0.345	U	~

NOTES:

Any Regulatory Exceedences are color coded by Regulation

Q is the Qualifier Column with definitions as follows:

- D= result is from an analysis that required a dilution
- J= analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
- U= analyte not detected at or above the level indicated
- B= analyte found in the analysis batch blank
- E= result is estimated and cannot be accurately reported due to levels encountered or interferences
- P= this flag is used for pesticide and PCB (Aroclor) target compounds when there is a % difference for detected concentrations that exceed method dictated limits between the two GC columns used for analysis
- NT= this indicates the analyte was not a target for this sample
- ~= this indicates that no regulatory limit has been established for this analyte

Table 3A
Groundwater Volatile Organic Compounds Analytical Results
100 East 149th Street, Bronx, New York

Sample ID	MW1		MW2		MW3		MW4		MW5		NYSDEC TOGS Standards and Guidance Values - GA
Sampling Date	9/15/2020		9/15/2020		9/15/2020		9/15/2020		9/15/2020		
Client Matrix	Water		Water		Water		Water		Water		
Unit	ug/L		ug/L		ug/L		ug/L		ug/L		
Compound	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	
1,1,1,2-Tetrachloroethane	2	U	40	U	5	U	20	U	2	U	5
1,1,1-Trichloroethane	2	U	40	U	5	U	20	U	2	U	5
1,1,2,2-Tetrachloroethane	2	U	40	U	5	U	20	U	2	U	5
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	2	U	40	U	5	U	20	U	2	U	5
1,1,2-Trichloroethane	2	U	40	U	5	U	20	U	2	U	1
1,1-Dichloroethane	2	U	40	U	5	U	20	U	2	U	5
1,1-Dichloroethylene	2	U	40	U	5	U	20	U	2	U	5
1,2,3-Trichlorobenzene	2	U	40	U	5	U	20	U	2	U	5
1,2,3-Trichloropropane	2	U	40	U	5	U	20	U	2	U	0.04
1,2,4-Trichlorobenzene	2	U	40	U	5	U	20	U	2	U	5
1,2,4-Trimethylbenzene	4,900	JD	120	D	26	D	42	JD	210	D	5
1,2-Dibromo-3-chloropropane	2	U	40	U	5	U	20	U	2	U	0.04
1,2-Dibromoethane	2	U	40	U	5	U	20	U	2	U	0.0006
1,2-Dichlorobenzene	2	U	40	U	5	U	20	U	2	U	3
1,2-Dichloroethane	2	U	40	U	5	U	20	U	2	U	0.6
1,2-Dichloropropane	2	U	40	U	5	U	20	U	2	U	1
1,3,5-Trimethylbenzene	84	D	210	D	5	U	38	JD	100	D	5
1,3-Dichlorobenzene	2	U	40	U	5	U	20	U	2	U	3
1,4-Dichlorobenzene	2	U	40	U	5	U	20	U	2	U	3
1,4-Dioxane	400	U	8,000	U	1,000	U	4,000	U	400	U	~
2-Butanone	2	U	40	U	5	U	20	U	2	U	50
2-Hexanone	2	U	40	U	5	U	20	U	2	U	50
4-Methyl-2-pentanone	2	U	40	U	5	U	20	U	2	U	~
Acetone	10	U	200	U	25	U	100	U	10	U	50
Acrolein	2	U	40	U	5	U	20	U	2	U	~
Acrylonitrile	2	U	40	U	5	U	20	U	2	U	~
Benzene	5,300	D	520	D	9	JD	820	D	88	D	1
Bromochloromethane	2	U	40	U	5	U	20	U	2	U	5
Bromodichloromethane	2	U	40	U	5	U	20	U	2	U	50
Bromoform	2	U	40	U	5	U	20	U	2	U	50
Bromomethane	2	U	40	U	5	U	20	U	2	U	5
Carbon disulfide	2	U	40	U	5	U	20	U	2	U	~
Carbon tetrachloride	2	U	40	U	5	U	20	U	2	U	5
Chlorobenzene	2	U	40	U	5	U	20	U	2	U	5
Chloroethane	2	U	40	U	5	U	20	U	2	U	5
Chloroform	2	U	40	U	5	U	20	U	2	U	7
Chloromethane	2	U	40	U	5	U	20	U	2	U	5
cis-1,2-Dichloroethylene	2	U	40	U	5	U	20	U	2	U	5
cis-1,3-Dichloropropylene	2	U	40	U	5	U	20	U	2	U	0.4
Cyclohexane	320	D	530	D	42	D	530	D	260	D	~
Dibromochloromethane	2	U	40	U	5	U	20	U	2	U	50
Dibromomethane	2	U	40	U	5	U	20	U	2	U	~
Dichlorodifluoromethane	2	U	40	U	5	U	20	U	2	U	5
Ethyl Benzene	120	D	400	D	20	D	130	D	180	D	5
Hexachlorobutadiene	2	U	40	U	5	U	20	U	2	U	0.5
Isopropylbenzene	33	D	84	JD	16	D	88	D	78	D	5
Methyl acetate	2	U	40	U	5	U	20	U	2	U	~
Methyl tert-butyl ether (MTBE)	2	U	40	U	5	U	20	U	2	U	10
Methylcyclohexane	560	D	570	D	20	D	520	D	400	D	~
Methylene chloride	10	U	200	U	25	U	100	U	10	U	5
n-Butylbenzene	20	D	42	JD	7,800	JD	37	JD	29	D	5
n-Propylbenzene	87	D	210	D	45	D	200	D	220	D	5
o-Xylene	9	D	40	U	5	U	28	JD	88	D	5
p- & m- Xylenes	31	D	260	D	12	U	120	D	490	D	5
p-Isopropyltoluene	8,200	D	40	U	5	U	20	U	3,200	JD	5
sec-Butylbenzene	8,700	D	40	U	14	D	20	U	13	D	5
Styrene	2	U	40	U	5	U	20	U	2	U	5
tert-Butyl alcohol (TBA)	5	U	100	U	12	U	50	U	5	U	~
tert-Butylbenzene	2	U	40	U	5	U	20	U	2	U	5
Tetrachloroethylene	2	U	40	U	5	U	20	U	2	U	5
Toluene	11	D	100	D	5	U	73	D	70	D	5
trans-1,2-Dichloroethylene	2	U	40	U	5	U	20	U	2	U	5
trans-1,3-Dichloropropylene	2	U	40	U	5	U	20	U	2	U	0.4
trans-1,4-dichloro-2-butene	2	U	40	U	5	U	20	U	2	U	~
Trichloroethylene	2	U	40	U	5	U	20	U	2	U	5
Trichlorofluoromethane	2	U	40	U	5	U	20	U	2	U	5
Vinyl Chloride	2	U	40	U	5	U	20	U	2	U	2
Xylenes, Total	40	D	260	JD	15	U	140	JD	580	D	5
BTEX	176		1,280		29		1,163		918		-
Total VOCs	1,342		3,306		200		2,766		2,809		-

NOTES:

Any Regulatory Exceedences are color coded by Regulation

Q is the Qualifier Column with definitions as follows:

D=result is from an analysis that required a dilution

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

U=analyte not detected at or above the level indicated

B=analyte found in the analysis batch blank

E=result is estimated and cannot be accurately reported due to levels encountered or interferences

P=this flag is used for pesticide and PCB (Aroclor) target compounds when there is a % difference for detected concentrations that exceed method dictated limits between the two GC columns used for analysis

NT=this indicates the analyte was not a target for this sample

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

Table 3B
Groundwater Semi-Volatile Organic Compounds Analytical Results
100 East 149th Street, Bronx, New York

Sample ID	MW1		MW2		MW3		MW4		MW5		NYSDEC TOGS Standards and Guidance Values - GA
Sampling Date	9/15/2020		9/15/2020		9/15/2020		9/15/2020		9/15/2020		
Client Matrix	Water		Water		Water		Water		Water		
Unit	ug/L		ug/L		ug/L		ug/L		ug/L		
Compound	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	
1,2,4-Trichlorobenzene	2.740	U	2.910	U	2.470	U	2.740	U	2.470	U	5
1,2-Dichlorobenzene	2.770	U	2.930	U	2.490	U	2.770	U	2.490	U	3
1,3-Dichlorobenzene	2.900	U	3.070	U	2.610	U	2.900	U	2.610	U	3
1,4-Dichlorobenzene	2.460	U	2.600	U	2.210	U	2.460	U	2.210	U	3
2,4-Dinitrotoluene	1.790	U	1.890	U	1.610	U	1.790	U	1.610	U	5
2,6-Dinitrotoluene	1.790	U	1.890	U	1.610	U	1.790	U	1.610	U	5
2-Chloronaphthalene	2.440	U	2.590	U	2.200	U	2.440	U	2.200	U	10
2-Methylnaphthalene	12.600		40.100		2.760	U	24.900		48.700	D	~
2-Nitroaniline	1.870	U	1.980	U	1.680	U	1.870	U	1.680	U	5
3,3-Dichlorobenzidine	1.410	U	1.490	U	1.270	U	1.410	U	1.270	U	5
3-Nitroaniline	1.870	U	1.980	U	1.680	U	1.870	U	1.680	U	5
4-Bromophenyl phenyl ether	1.480	U	1.560	U	1.330	U	1.480	U	1.330	U	~
4-Chloroaniline	3.310	U	3.510	U	2.980	U	3.310	U	2.980	U	5
4-Chlorophenyl phenyl ether	2.720	U	2.880	U	2.450	U	2.720	U	2.450	U	~
4-Nitroaniline	2.980	U	3.150	U	2.680	U	2.980	U	2.680	U	5
Acenaphthene	0.789		0.671		0.120		0.367		0.310		20
Acenaphthylene	0.0778		0.0588	J	0.0500	U	0.0556	U	0.0500	U	~
Aniline	1.670	U	1.760	U	1.500	U	1.670	U	1.500	U	5
Anthracene	0.344		0.247		0.0600		0.100		0.0700		50
Benzo(a)anthracene	0.267		0.188		0.0500	J	0.100		0.0500	J	0.002
Benzo(a)pyrene	0.178		0.188		0.0600		0.0889		0.0500	U	0.002
Benzo(b)fluoranthene	0.156		0.141		0.0800		0.0667		0.0500	U	0.002
Benzo(g,h,i)perylene	0.0889		0.129		0.0600		0.0556	J	0.0500	U	~
Benzo(k)fluoranthene	0.167		0.141		0.0500	U	0.0667		0.0500	U	0.002
Benzyl butyl phthalate	0.947	U	1	U	0.852	U	0.947	U	0.852	U	50
Bis(2-chloroethoxy)methane	1.970	U	2.080	U	1.770	U	1.970	U	1.770	U	5
Bis(2-chloroethyl)ether	1.670	U	1.760	U	1.500	U	1.670	U	1.500	U	1
Bis(2-chloroisopropyl)ether	3.320	U	3.520	U	2.990	U	3.320	U	2.990	U	5
Bis(2-ethylhexyl)phthalate	0.556	U	0.588	U	0.500	U	0.556	U	0.500	U	5
Carbazole	1.460	U	1.540	U	1.310	U	1.460	U	1.310	U	~
Chrysene	0.222		0.176		0.0600		0.0889		0.0500	U	0.002
Dibenzo(a,h)anthracene	0.0556	U	0.0588	U	0.0500	U	0.0556	U	0.0500	U	~
Dibenzofuran	2.680	U	2.840	U	2.410	U	2.680	U	2.410	U	~
Diethyl phthalate	2.840	U	3.010	U	2.560	U	2.840	U	2.560	U	50
Dimethyl phthalate	2.120	U	2.250	U	1.910	U	2.120	U	1.910	U	50
Di-n-butyl phthalate	2.280	U	2.410	U	2.050	U	2.280	U	2.050	U	50
Di-n-octyl phthalate	1.240	U	1.320	U	1.120	U	1.240	U	1.120	U	50
Fluoranthene	1.010		0.647		0.240		0.311		0.210		50
Fluorene	0.711		0.471		0.120		0.211		0.200		50
Hexachlorobenzene	0.0222	U	0.0235	U	0.0200	U	0.0222	U	0.0200	U	0.04
Hexachlorobutadiene	0.556	U	0.588	U	0.500	U	0.556	U	0.500	U	0.5
Hexachlorocyclopentadiene	2.810	U	2.980	U	2.530	U	2.810	U	2.530	U	5
Hexachloroethane	0.556	U	0.588	U	0.500	U	0.556	U	0.500	U	5
Indeno(1,2,3-cd)pyrene	0.0778		0.129		0.0500	U	0.0556	J	0.0500	U	0.002
Isophorone	2.980	U	3.150	U	2.680	U	2.980	U	2.680	U	50
Naphthalene	46.600	D	203	D	2.850		85.800	D	175	D	10
Nitrobenzene	0.278	U	0.294	U	0.250	U	0.278	U	0.250	U	0.4
N-Nitrosodimethylamine	0.556	U	0.588	U	0.500	U	0.556	U	0.500	U	~
N-nitroso-di-n-propylamine	2.840	U	3.010	U	2.560	U	2.840	U	2.560	U	~
N-Nitrosodiphenylamine	5.560	U	5.880	U	5	U	5.560	U	5	U	50
Phenanthrene	1.930		1		0.140		0.456		0.400		50
Pyrene	0.811		0.541		0.230		0.311		0.180		50
Pyridine	4.340	U	4.600	U	3.910	U	4.340	U	3.910	U	50

NOTES:

Any Regulatory Exceedences are color coded by Regulation

Q is the Qualifier Column with definitions as follows:

D=result is from an analysis that required a dilution

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

U=analyte not detected at or above the level indicated

B=analyte found in the analysis batch blank

E=result is estimated and cannot be accurately reported due to levels encountered or interferences

P=this flag is used for pesticide and PCB (Aroclor) target compounds when there is a % difference for detected concentrations that exceed method dictated limits between the two GC columns used for analysis

NT=this indicates the analyte was not a target for this sample

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

Appendix A
Historical Report

100 EAST 149TH STREET

BRONX, NEW YORK

Remedial Investigation Report

NYC VCP Site Number: 19TMP1170X

Prepared for:

OER

100 Gold St., 2nd Floor, New York, NY 10038

(Ph) 212-788-2676 (Email) scatalanotto@dep.nyc.gov

Prepared by:

Eastern Environmental Solutions

258 Line Road, Manorville, New York 11949

Phone (631) 727-2700

Fax (631) 727-2777

July, 2019

REMEDIAL INVESTIGATION REPORT

TABLE OF CONTENTS

LIST OF ACRONYMS	4
CERTIFICATION	5
EXECUTIVE SUMMARY	6
1.0 SITE BACKGROUND.....	9
1.1 SITE LOCATION AND CURRENT USAGE.....	9
1.2 PROPOSED REDEVELOPMENT PLAN.....	9
1.3 DESCRIPTION OF SURROUNDING PROPERTIES.....	10
2.0 SITE HISTORY.....	11
2.1 PAST USES AND OWNERSHIP.....	11
2.2 PREVIOUS INVESTIGATIONS.....	12
2.3 AREAS OF CONCERN.....	12
3.0 PROJECT MANAGEMENT.....	13
3.1 PROJECT ORGANIZATION.....	13
3.2 HEALTH AND SAFETY.....	13
3.3 MATERIALS MANAGEMENT.....	13
4.0 REMEDIAL INVESTIGATION ACTIVITIES.....	14
4.1 GEOPHYSICAL INVESTIGATION.....	14
4.2 SAMPLE COLLECTION AND ANALYSIS.....	14
4.3 BORINGS AND MONITORING WELLS.....	16
4.4 SAMPLE COLLECTION CRITERIA.....	16
5.0 ENVIRONMENTAL EVALUATION.....	19
5.1 GEOLOGICAL AND HYDROGEOLOGICAL CONDITIONS.....	19
5.2 SOIL CHEMISTRY.....	19
5.3 GROUNDWATER CHEMISTRY.....	19
5.4 SOIL VAPOR CHEMISTRY.....	19
5.5 PRIOR ACTIVITY.....	20
5.6 IMPEDIMENTS TO REMEDIAL ACTION.....	20

FIGURES

- Figure 1 – Site Location and Layout
- Figure 2 – EES Boring and Well Locations

TABLES

- Table 1- Soil Sampling Results (January, 2019)
- Table 2- Soil Sampling Results (March, 2019)
- Table 3- Groundwater Sampling Results
- Table 4- Soil Vapor Sampling Results

APPENDICES

- Appendix A – Site Survey
- Appendix B – Site Layout and Boring Locations from Previous MECC Investigation
- Appendix C – EES Phase II Environmental Site Assessment Report
- Appendix D – Soil Sampling Laboratory Reports
- Appendix E – Groundwater Sampling Laboratory Report
- Appendix F – Soil Vapor Sampling Laboratory Report
- Appendix G - Site Boring Logs

LIST OF ACRONYMS

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

CERTIFICATION

I, James R. Mulvey, am a Qualified Environmental Professional, as defined in RCNY § 43-1402(ar). I have primary direct responsibility for implementation of the Remedial Investigation for the 100 East 149th Street, Bronx NY, (NYC 19TMP1170). I am responsible for the content of this Remedial Investigation Report (RIR), have reviewed its contents and certify that this RIR is accurate to the best of my knowledge and contains all available environmental information and data regarding the property.

Qualified Environmental Professional

Signature_____

EXECUTIVE SUMMARY

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

Site Location and Current Usage

The subject property is located at 100 East 149th Street in Bronx, New York and is identified as New York City Tax Map No. Block 2351 and Lot 35 (the Site). Figure 1 shows the Site location and layout. The Site is 4,105 square feet in area and is located on the southeast corner of the intersection of East 149th Street and Exterior Street. East 149th Street is located adjacent and north of the Site, Exterior Street is located adjacent and east of the Site, and adjacent to the Site at the south and west are newly-constructed buildings that are expected to be completed in 2020 (although the exterior construction appears to be substantially complete) and are expected to be used for both residential and commercial office purposes.

The Site is vacant and contains one 200-square-foot building with no basement.

Summary of Proposed Redevelopment Plan

There is no current redevelopment plan for the Site, however, it is anticipated that the Site will be redeveloped for commercial/residential use.

Summary of Past Uses of Site and Areas of Concern

The Site was occupied by a gas station during the years from 1935 to 1989. The Sanborn Maps for the years 1935 to 1946 indicate there are or were six 550-gallon underground storage tanks (USTs) on the property. Until recently, the Site was occupied by a tire business known as Coco Tire Center Corp.

Based on this information, the prior use of the Site as a gas station and the presence of former or existing USTs at the Site, indicates an area of concern. The Site is an e-designated

property with the New York City Department of Buildings. Therefore, the environmental issues at the Site must be addressed prior to the issuance of building permits.

Previous Site Investigations

A Phase I Environmental Site Assessment and a Focused Subsurface Site Investigation was performed in 2017 by Merritt Environmental Consulting Corp. (MECC).

Summary of Environmental Findings

The environmental findings at the Site to date are as follows:

1. The elevation of the Site is approximately 20 feet above mean sea level and is generally level.
2. Depth to groundwater ranges from approximately 10 to 14 feet at the Site.
3. Groundwater flow beneath the Site is reported to be generally to the west.
4. The geology of the Site consists of fill material to a depth of at least 20 feet below grade. No borings at the Site were performed to depths greater than 20 feet.
5. Soil samples obtained during the investigations indicate that the subsurface soil has been impacted primarily by petroleum-related volatile organic compounds (VOCs) and semi-volatile organic compounds (SVOCs).
6. Groundwater samples collected during the RI indicate that the Site groundwater has been impacted primarily by petroleum-related VOCs, SVOCs, various metals, and one pesticide. Per- and polyfluoralkyl substances (PFAS) was also detected in the groundwater.
7. Soil vapor samples collected during the RI indicate that the vadose zone soil vapor at the Site contains petroleum and non-petroleum-related VOCs.
8. A geophysical survey of the Site has determined the location of an area of apparent USTs that are likely to be a primary source of the subsurface petroleum contamination at the Site.

9. A spill was reported to the New York State Department of Environmental Conservation for the adjacent property at 110 East 149th St. The spill number (1407530) was listed in October, 2014 and remains open.

SECTION 1.0

SITE BACKGROUND

Transmeta, LLC entered the New York City Voluntary Cleanup Program (NYCVCP) to investigate and remediate a 0.09 acre (4,105 square feet) property located at 100 East 149th Street in Bronx, New York. The recent, prior use of the Site was as an automobile tire business. The anticipated future use is for commercial/residential purposes. The RI field work was performed during January to March, 2019. This RIR summarizes the nature and extent of contamination and provides the information for establishment of remedial action objectives, evaluation of remedial action alternatives, and selection of a remedy that is protective of human health and the environment consistent with the use of the property pursuant to RCNY§ 43-1407(f).

1.1 Site Location and Current Usage

The Site is located at 100 East 149th Street in Bronx, New York and is identified as Block 2351 and Lot 35 on the New York City Tax Map. Figure 1 shows the Site location and layout. The Site is 4,105 square feet in area and is located on the southeast corner of the intersection of East 149th Street and Exterior Street. East 149th Street is located adjacent and north of the Site, Exterior Street is located adjacent and east of the Site, and adjacent to the Site to the south and west are newly-constructed, multi-story buildings that are expected to be completed in 2020 (although the exterior construction appears to be substantially complete) and are to be used for both residential and commercial office purposes.

The Site is vacant and contains one small (200-square-foot) building with no basement. Until recently, the Site was used as a tire business known as Coco Tire Center Corp.

Appendix A contains a Site survey.

1.2 Proposed Redevelopment Plan

The proposed future use of the Site is anticipated to be for commercial-residential use. There are no completed redevelopment plans at present. The current zoning designation is M1-4/R8A [light commercial use and residential apartments (typically 10 to 12 stories high)].

1.3 Description of Surrounding Properties

East 149th Street is located adjacent and north of the Site, Exterior Street is located adjacent and east of the Site, and adjacent to the Site at the south and west are newly-constructed and nearly completed buildings that are expected to be used for both residential and commercial office purposes. This adjacent property (at 110 East 149th St., Bronx, New York) is currently enrolled in New York City's Voluntary Cleanup Program (VCP)/Brownfields Program for environmental investigation and remediation.

The property to the north, across East 149th Street, is currently occupied by a BP Gasoline Station (99-113 East 149th Street). According to historical records, a gas station has occupied this property since approximately 1935.

SECTION 2.0

SITE HISTORY

2.1 Past Uses and Ownership

The Site is owned by Transmeta, LLC. Sanborn Insurance Maps and aerial photograph information from a Phase I Environmental Site Assessment (ESA) performed for the Site in 2017 by Merritt Environmental Consulting Corp. (MECC) provided information regarding the past uses of the Site. Based on this information, it appears that the Site was vacant from the period from 1891 to 1908 and was occupied by a filling station (gas station) during the years from 1935 to 1989. The Sanborn Maps for the years 1935 to 1946 indicate there are or were six 550-gallon USTs on the Site. The Phase I ESA also indicated that there were 12 gasoline vents observed (in 2017) in the rear wall of the Site building.

2.2 Previous Investigations

Based on the previous Phase I Environmental Site Assessment for the Site, a Focused Subsurface Site Investigation was completed by Merritt Environmental Consulting Corp. (MECC) in 2017.

The MECC investigation included four soil borings identified as B-1 through B-4. The borings were performed in the northwest portion of the Site (as shown on the figure in Appendix B). MECC measurements indicate that the water table was encountered at a depth of 14 feet below grade. It was also reported that the subsurface consists of fill material to a depth of at least 20 feet. Bedrock was not encountered during the investigation. The Site elevation was reported to be approximately 20 feet above mean sea level and is generally level.

Borings B-1 through B-3 (at the northwest portion of the Site) encountered refusal at depths ranging from 7 to 11 feet and boring B-4 (near the center of the Site) was advanced to 20 feet below grade. Vadose zone soil samples were obtained from borings B-1, B-2, and B-4. The results showed no VOCs detected at B-1 (at 11 feet). At B-2 (at 7 feet) and B-4 (at 12 feet), minor concentrations of petroleum-related VOCs were detected. At Boring B-4, a temporary groundwater monitoring well was installed and sampled. The results showed no indications of the presence of floating petroleum product but did show the detection of several petroleum-

related VOCs at concentrations above the NYSDEC Class GA groundwater standards [including a total BTEX concentration of 4,860 micrograms per liter (ug/l)]. No chlorinated VOCs were detected in the soil or groundwater.

2.3 Areas of Concern

Based on the investigations performed, the Site history indicates that the Site was used as a gas station for many years and USTs were apparently present at the Site. The locations of USTs at the Site were not ascertained during the MECC investigation due to debris at the Site that limited Ground-Penetrating Radar (GPR) access to most of the Site.

The MECC investigation also showed minor detections of petroleum constituents at some areas of the vadose zone, however, the well installed near the center of the Site indicated the presence of petroleum-related contamination at concentrations above the NYSDEC Class GA Groundwater Standards.

Based on the MECC findings, the areas of concern include the location or locations of former or existing USTs at the Site, the potential for vadose zone soil contamination, the potential for the presence of soil vapor contamination, and the existence of groundwater contamination beneath the Site. In addition, off-Site contamination may have contributed to the contamination at the Site.

SECTION 3.0

PROJECT MANAGEMENT

3.1 Project Organization

The Qualified Environmental Profession (QEP) responsible for preparation of this RIR is James Mulvey.

3.2 Health and Safety

All work described in this RIR was performed in compliance with applicable laws and regulations, including Site and 29 CFR 1910.120 OSHA HAZWOPER worker safety requirements.

3.3 Materials Management

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

SECTION 4.0

REMEDIAL INVESTIGATION ACTIVITIES

For the Remedial Investigation for the Site, EES performed the following tasks:

1. A Site inspection was conducted to identify Site conditions, Site layout, potential areas of concern, and the locations of buildings or other physical structures.
2. A geophysical investigation was performed to determine the locations of subsurface structures and utilities.
3. 15 soil borings (including PID screening of samples and laboratory analysis of select samples) were performed throughout the Site. Subsurface soil vapor samples were obtained from four locations and groundwater sampling was performed at four groundwater monitoring well locations.
4. The sample field investigation and laboratory analysis results were evaluated to assist in the determination of the nature and extent of subsurface contamination at the Site.

4.1 Geophysical Investigation

A geophysical survey was performed at all exterior portions of the Site. The investigation consisted of the use of a ground-penetrating radar unit. The purpose was to determine if USTs reported to exist at the Site in the past remain present in the subsurface. In addition, the survey was used to assist in identifying potential subsurface utilities prior to commencing boring activities. The geophysical investigation report (including depictions and photographs of areas of geophysical anomalies) is contained within the Phase II ESA performed by EES (see Appendix C).

The GPR survey was performed and a geophysical anomaly was identified at the south-central portion of the Site that appeared to be an area of underground storage tanks (USTs).

4.2 Sample Collection and Analysis

EES performed 15 Geoprobe borings (SB-1 through SB-15) throughout the Site (see Figure 2 for the boring locations). Most borings were advanced to a depth of 15 feet below

grade. Bedrock was not encountered at any location. At all boring locations, Photoionization Detector (PID) readings were obtained and showed generally elevated concentrations of VOCs, primarily in the vadose zone just above the water table. In January, 2019, at four locations (SB-1, SB-5, SB-8, and SB-11), soil samples were obtained for laboratory analysis (for VOCs) from a depth of 10 to 15 feet below grade. The laboratory analytical results are summarized in Table 1 (the laboratory analysis reports are provided in Appendix D) and show petroleum-related VOCs present at all four locations at concentrations above the 6 NYCRR Part 375 Unrestricted Soil Cleanup Objectives (SCOs).

Also, in March, 2017, additional soil samples were obtained from boring locations SB-1, SB-2, SB-3, and SB-4. At each location, samples were obtained from depths of 0 to 2 feet and at 10 feet below grade. These samples were analyzed for VOCs, SVOCs, pesticides, metals, and PCBs. The results of this sampling are summarized in Table 2 and the laboratory reports are provided in Appendix D. For these eight samples, one location (SB-2 at 10') showed petroleum constituents at concentrations above the Unrestricted SCOs. For the SVOCs, exceedances of the Unrestricted SCOs were found at SB-1(0-2'), SB-2(10'), and SB-3(0-2') and SB-3(10'). One minor exceedance of the SCOs for 4,4-DDD was found at SB-2 (0-2').

EES also installed four permanent groundwater monitoring wells (MW-1 through MW-4) at the Site. The well locations are shown in Figure 2. The wells were sampled for VOCs, SVOCs, PCBs, metals, and emerging contaminants [1,4-dioxane and per- and polyfluoroalkyl substances (PFAS)]. The groundwater results are summarized in Table 3 and the laboratory reports are provided in Appendix E. The results show exceedances of the NYSDEC Class GA Groundwater Standards for various petroleum-related VOCs and SVOCs, one pesticide, and various metals. No PCBs were detected. The results also showed no detections of 1,4-dioxane and generally low concentrations of several PFASs.

Soil vapor samples were obtained at four locations at the Site. The results are summarized in Table 4 and the laboratory analysis report is provided in Appendix F. The results show the detection of various VOCs. There are no standards or guidelines for VOCs in soil vapor. The petroleum-related VOCs detected are likely to be attributable to the apparent petroleum releases at the Site. However, due to potential contributors of petroleum contamination in the vicinity of the Site, there may be an off-Site contribution to the subsurface VOC vapors detected at the Site.

The results of the subsurface investigations performed at the Site indicate that there is a subsurface obstruction near the northwest corner of the Site that prevents borings from being advanced to a depth greater than approximately 11 feet. Also, an area of apparent USTs and associated piping is present in the central-southern portion of the Site. Vadose zone soil contamination appears to be present throughout most or all of the Site and is primarily present in the area just above the water table.

The groundwater throughout most or all of the Site appears to contain minor to moderate exceedances of the NYSDEC Class GA Groundwater Standards for VOCs and SVOCs, metals, and one pesticide. Also, PFAS is present in the groundwater, however, there is no apparent source of PFAS based on the Site history information and there is no information at present regarding potential upgradient sources of contamination.

4.3 Borings and Monitoring Wells

Borings at the Site were performed with a Geoprobe using a macrocore sampler. The borings were performed to a maximum depth of 15 feet below grade (the water table was encountered at depths of up to 14 feet below grade). During the borings, continuous soil cores were collected in dedicated acetate tubes. The boring logs are provided in Appendix G.

The geology of the Site generally consists of fill material consisting primarily of fragments of concrete, brick, and asphalt within a matrix of silty sand.

At all boring locations, petroleum odors were observed and elevated PID readings were obtained and generally showed increasing PID readings with depth.

Four groundwater monitoring wells were installed at the Site (see Figure 2 for well locations). The wells consist of two-inch diameter PVC wells screens and riser pipes and were installed to intersect the water table. The PVC riser pipe contains a lockable J-cap. The wells were completed at grade with flush-to-grade manholes.

The water levels at each groundwater monitoring well were measured with a groundwater probe that provides an audible signal when the groundwater is encountered. The depth to groundwater was measured from the top end of the riser pipe at each of the flush-to-grade monitoring wells installed at the Site. The water levels at the four locations were MW-1 (13.3 feet), MW-2 (12.8 feet), MW-3 (14.1 feet), and MW-4 (9.6 feet).

4.4 Sample Collection Criteria

Sampling was performed throughout the Site subsurface. The sampling locations were selected based on professional judgment, area history, discolored soil, field instrument measurements, odor, or other field indicators. All media including soil, groundwater, and soil vapor have been sampled, laboratory analyzed, and evaluated. The sampling performed and presented in this RIR provides sufficient basis for evaluation of remedial action alternatives, establishment of a qualitative human health exposure assessment, and selection of a final remedy.

Soil Sampling

Soil sampling was performed using a Geoprobe with a macrocore sampler with dedicated acetate sleeves. Sample soil cores were obtained continuously at five-foot intervals. For each interval, the soil core was screened with a PID and the geology of the interval was logged in a field notebook. Samples retained for laboratory analysis were obtained generally from intervals that showed elevated PID readings. Soil samples were placed in laboratory-supplied glassware with labels indicating the sample name/location, date of sampling, and requested analyses, and then placed in a cooler with ice for transport to the laboratory. A chain-of-custody form was completed for each sample group and accompanied the samples to the laboratory.

Groundwater Sampling

Groundwater samples were obtained from each of the four groundwater monitoring wells (see Figure 2). Prior to sampling, the wells were purged with low-flow sampling procedures. The samples were placed in laboratory-supplied glassware (with zero headspace for VOC samples) with labels indicating the sample name/location, date of sampling, and requested analyses and then placed in a cooler with ice for transport to the laboratory. A chain-of-custody form was completed for each sample group and accompanied the samples to the laboratory.

Soil Vapor Sampling

Soil vapor probes were installed at four locations and soil vapor samples were collected for laboratory analysis. The soil vapor sampling locations are shown in Figure 2. Methodologies used for soil vapor evaluation were in accordance with the New York State Department of Health Guidance for Evaluating Soil Vapor Intrusion in the State of New York (October, 2006

plus updates) and included obtained grab samples of soil vapor and collecting the samples in 6-liter Summer Canisters.

Chemical Analysis

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

Factor	Description
Quality Assurance Officer	The chemical analytical quality assurance is directed by James Mulvey
Analytical Laboratory	The chemical analytical laboratory used in this RI was NYS ELAP-certified (York Analytical Laboratories, Inc.)
Analytical Methods	Soil analytical methods: • TAL Metals by EPA Method 6010C (rev. 2007); • VOCs by EPA Method 8260C (rev. 2006); • SVOCs by EPA Method 8270D (rev. 2007); • Pesticides by EPA Method 8081B (rev. 2000); • PCBs by EPA Method 8082A (rev. 2000); Groundwater analytical methods: • TAL Metals by EPA Method 6010C (rev. 2007); • VOCs by EPA Method 8260C (rev. 2006); • SVOCs by EPA Method 8270D (rev. 2007); • Pesticides by EPA Method 8081B (rev. 2000); • PCBs by EPA Method 8082A (rev. 2000); Soil vapor analytical methods: • VOCs by EPA Method TO-15

SECTION 5.0

ENVIRONMENTAL EVALUATION

5.1 Geological and Hydrogeological Conditions

The geology of the Site was evaluated to a maximum depth of 15 feet below grade at numerous locations throughout the Site. The zone from grade to 15 feet below grade consists of fill material that contains concrete, brick, and asphalt in a matrix of silty sand. Bedrock was not encountered during the investigation.

Based on the investigations performed, the Site elevation is approximately 20 feet above mean sea level and the Site topography is generally flat. The depths to water in the groundwater monitoring wells installed at the Site range from 9.6 to 14.1 feet.

The groundwater flow direction was reported in previous investigations as being generally to the west. The Harlem River is present approximately 600 feet to the west of the Site. The Harlem River is tidally influenced.

5.2 Soil Chemistry

Data collected during the RI is sufficient to delineate the vertical and horizontal distribution of contaminants in the soil/fill at the Site. The vadose zone consists of fill material. The fill material contains petroleum-related VOCs and SVOCs as well as various metals and one pesticide above the Unrestricted SCOs.

5.3 Groundwater Chemistry

Data collected during the RI is sufficient to delineate the distribution of contaminants in the groundwater beneath the Site. The groundwater contains petroleum-related VOCs and SVOCs along with various metals and one pesticide that exceed the NYSDEC Class GA Groundwater Standards. PFAS was also detected in the groundwater.

5.4 Soil Vapor Chemistry

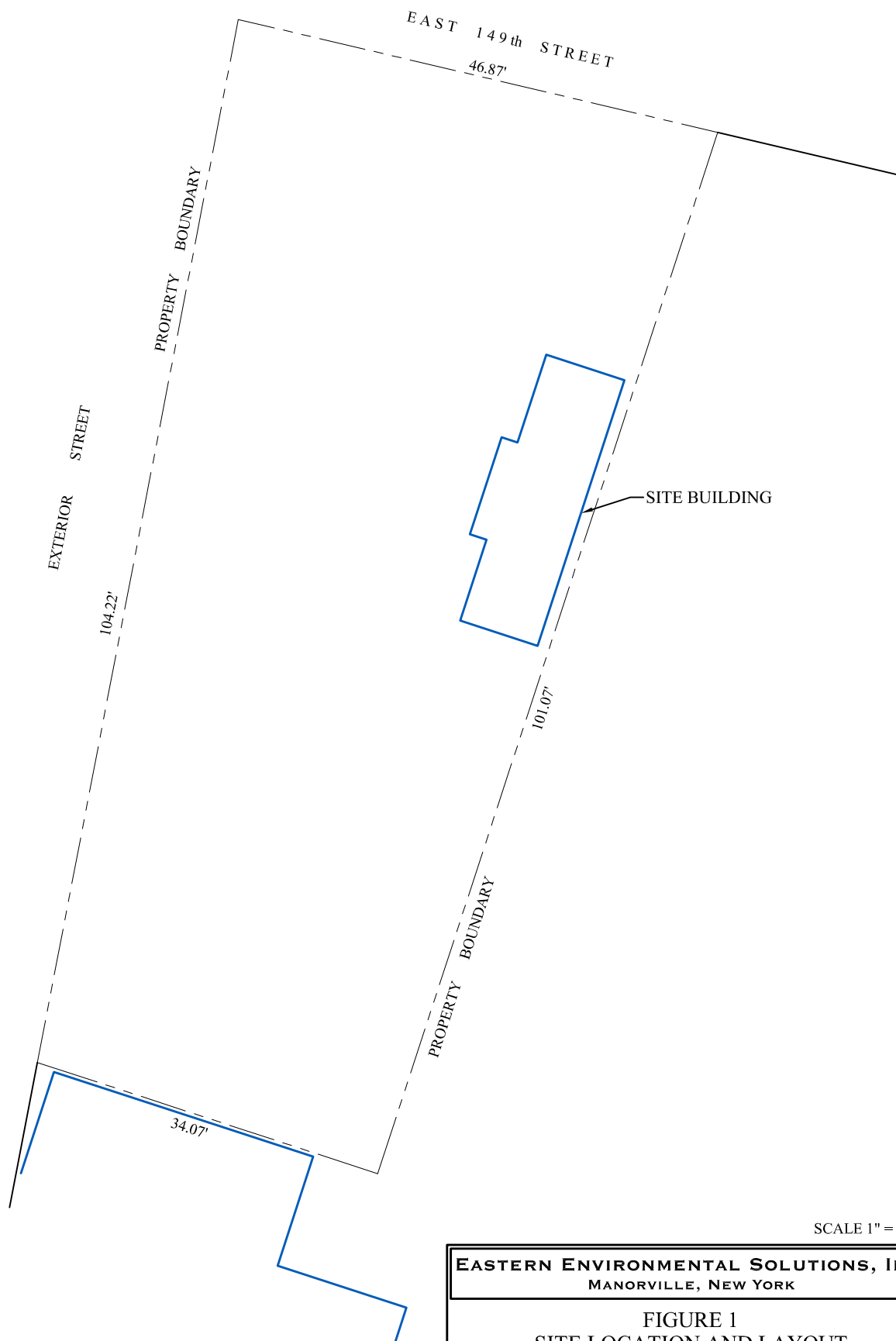
The soil vapor samples obtained show the presence of primarily petroleum-related VOCs in the vapor within the vadose zone beneath the Site.

5.5 Prior Activity

The Site was used as a gas station for many decades and USTs were reported as having been present in the subsurface. The recent ground-penetrating radar survey indicated that the USTs appear to remain present in the subsurface. It also appears that the USTs are likely to be the primarily source of contamination at the Site.

5.6 Impediments to Remedial Action

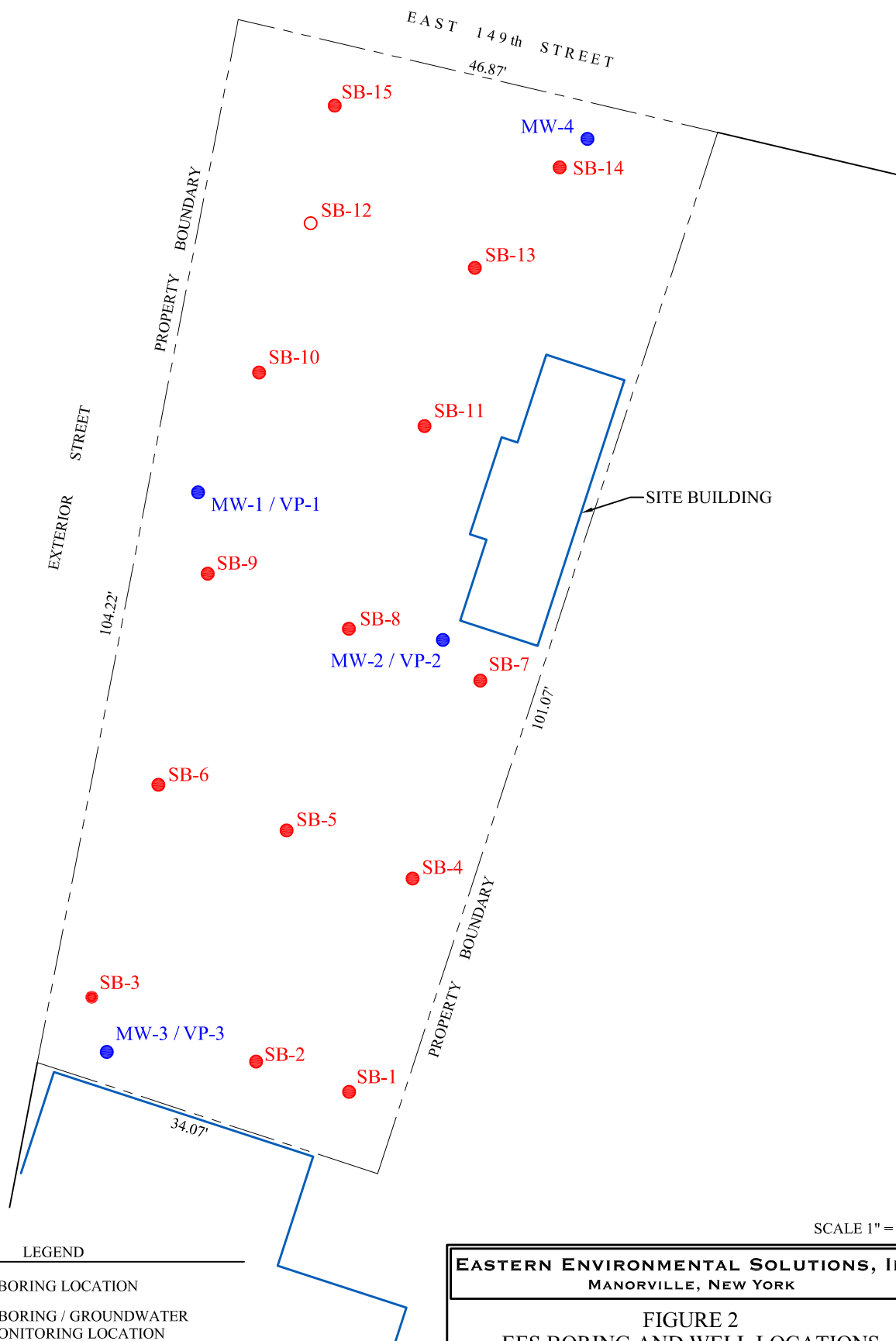
There are no known impediments to remedial action at the Site at this time.



SCALE 1" = 14'

EASTERN ENVIRONMENTAL SOLUTIONS, INC.
MANORVILLE, NEW YORK

FIGURE 1
SITE LOCATION AND LAYOUT
100 E. 149th STREET
BRONX, NEW YORK



SCALE 1" = 14'

LEGEND

- SB-1 SOIL BORING LOCATION
- MW-1 SOIL BORING / GROUNDWATER MONITORING LOCATION
- VP-1 SOIL VAPOR SAMPLING LOCATION

EASTERN ENVIRONMENTAL SOLUTIONS, INC.
MANORVILLE, NEW YORK

FIGURE 2
EES BORING AND WELL LOCATIONS
100 E. 149th STREET
BRONX, NEW YORK

Table 1
Soil Sampling Results
100 E. 149th Street
Bronx, New York

Sample ID York ID Sampling Date Client Matrix	SB-1 (10'-15') 1/4/2019 Soil	SB-5 (10'-15') 1/4/2019 Soil	SB-8 (10'-15') 1/4/2019 Soil	SB-11 (10'-15') 1/4/2019 Soil	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Protection of GW	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives - Restricted Residential
Compound	Result	Result	Result	Result		
Volatile Organics, CP-51	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor	1	1	100	100		
1,2,4-Trimethylbenzene	0.0400	0.0450	1.500	5.100	3.6	52
Benzene	0.00290	0.0470	1.200	0.300	0.06	4.8
Ethyl Benzene	0.00290	0.0470	1.900	6.800	1	41
n-Propylbenzene	0.00450	0.110	1.600	9.700	3.9	100
Toluene	0.00290	0.0230	1.400	0.300	0.7	100
Xylenes, Total	0.00860	0.0550	3.900	4.100	1.6	100
Semi-Volatiles, CP-51	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor	2	5	2	2		
Benzo(a)anthracene	0.210	2.300	0.410	0.130	1	1
Benzo(a)pyrene	0.280	4.500	0.470	0.0850	22	1
Benzo(b)fluoranthene	0.220	3.300	0.310	0.0940	1.7	1
Benzo(k)fluoranthene	0.200	2.900	0.210	0.0970	1.7	3.9
Chrysene	0.260	2.500	0.510	0.130	1	3.9
Dibenzo(a,h)anthracene	0.0520	1.200	0.0490	0.0500	1000	0.33
Indeno(1,2,3-cd)pyrene	0.210	4.400	0.300	0.0500	8.2	0.5
Metals, RCRA	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor	1	1	1	1		
Mercury by 7473	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor	1	1	1	1		
Mercury	0.783	0.304	0.306	0.193	0.73	0.81
Total Solids	%	%	%	%		
Dilution Factor	1	1	1	1		

Table 1 (cont.)
Soil Sampling Results
100 E. 149th Street
Bronx, New York

Sample ID York ID Sampling Date Client Matrix	SB-1 (10'-15')	SB-5 (10'-15')	SB-8 (10'-15')	SB-11 (10'-15')	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Protection of GW	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives - Restricted Residential
Compound	Result	Result	Result	Result		
Metals, RCRA Dilution Factor	mg/Kg 1	mg/Kg 1	mg/Kg 1	mg/Kg 1	mg/Kg	mg/Kg
Mercury by 7473 Dilution Factor	mg/Kg 1	mg/Kg 1	mg/Kg 1	mg/Kg 1	mg/Kg	mg/Kg
Mercury	0.783	0.304	0.306	0.193	0.73	0.81
Total Solids Dilution Factor	% 1	% 1	% 1	% 1		

NOTES:

Any Regulatory Exceedences are color coded by Regulation

Q is the Qualifier Column with definitions as follows:

D=result is from an analysis that required a dilution

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

U=analyte not detected at or above the level indicated

B=analyte found in the analysis batch blank

E=result is estimated and cannot be accurately reported due to levels encountered or interferences

P=this flag is used for pesticide and PCB (Aroclor) target compounds when there is a % difference for detected concentrations that exceed method dictated limits between the two GC columns used for analysis

NT=this indicates the analyte was not a target for this sample

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

Table 2
Soil Sampling Results
100 E. 149th Street
Bronx, New York

Sample ID		SB1 0-2'		SB1 10'		SB2 0-2'		SB2 10'		SB3 0-2'		SB3 10'		SB4 0-2'		SB4 10'		NYSDEC Part 375 Restricted Use Soil Cleanup Objectives -Restricted Residential	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives Commercial	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives Industrial	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives Protection of GW	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives Residential	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	
York ID		19C0312-01		19C0312-02		19C0312-03		19C0312-04		19C0312-05		19C0312-06		19C0312-07		19C0312-08								
Sampling Date		3/7/2019		3/7/2019		3/7/2019		3/7/2019		3/7/2019		3/7/2019		3/7/2019		3/7/2019								
Client Matrix		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil								
Compound		CAS Number	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q						
Volatile Organics, 8260 - Comprehensive			mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1		1		1		100		1		1		1		1							
1,1,1,2-Tetrachloroethane		630-20-6	0.00320	U	0.00260	U	0.00330	U	0.730	U	0.00330	U	0.00250	U	0.00260	U	0.00210	U	~	~	~	~	~	~
1,1,1-Trichloroethane		71-55-6	0.00320	U	0.00260	U	0.00330	U	0.730	U	0.00330	U	0.00250	U	0.00260	U	0.00210	U	100	500	1000	0.68	100	0.68
1,1,2,2-Tetrachloroethane		79-34-5	0.00320	U	0.00260	U	0.00330	U	0.730	U	0.00330	U	0.00250	U	0.00260	U	0.00210	U	~	~	~	~	~	~
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		76-13-1	0.00320	U	0.00260	U	0.00330	U	0.730	U	0.00330	U	0.00250	U	0.00260	U	0.00210	U	~	~	~	~	~	~
1,1,2-Trichloroethane		79-00-5	0.00320	U	0.00260	U	0.00330	U	0.730	U	0.00330	U	0.00250	U	0.00260	U	0.00210	U	~	~	~	~	~	~
1,1-Dichloroethane		75-34-3	0.00320	U	0.00260	U	0.00330	U	0.730	U	0.00330	U	0.00250	U	0.00260	U	0.00210	U	26	240	480	0.27	19	0.27
1,1-Dichloroethylene		75-35-4	0.00320	U	0.00260	U	0.00330	U	0.730	U	0.00330	U	0.00250	U	0.00260	U	0.00210	U	100	500	1000	0.33	100	0.33
1,2,3-Trichlorobenzene		87-61-6	0.00320	U	0.00260	U	0.00330	U	0.730	U	0.00330	U	0.00250	U	0.00260	U	0.00210	U	~	~	~	~	~	~
1,2,3-Trichloropropane		96-18-4	0.00320	U	0.00260	U	0.00330	U	0.730	U	0.00330	U	0.00250	U	0.00260	U	0.00210	U	~	~	~	~	~	~
1,2,4-Trichlorobenzene		120-82-1	0.00320	U	0.00260	U	0.00330	U	0.730	U	0.00330	U	0.00250	U	0.00260	U	0.00210	U	~	~	~	~	~	~
1,2,4-Trimethylbenzene		95-63-6	0.00410	J	0.00260	U	0.00330	U	8.200	D	0.00330	U	0.00460	J	0.00260	U	0.00210	U	52	190	380	3.6	47	3.6
1,2-Dibromo-3-chloropropane		96-12-8	0.00320	U	0.00260	U	0.00330	U	0.730	U	0.00330	U	0.00250	U	0.00260	U	0.00210	U	~	~	~	~	~	~
1,2-Dibromoethane		106-93-4	0.00320	U	0.00260	U	0.00330	U	0.730	U	0.00330	U	0.00250	U	0.00260	U	0.00210	U	~	~	~	~	~	~
1,2-Dichlorobenzene		95-50-1	0.00320	U	0.00260	U	0.00330	U	1.200	JD	0.00330	U	0.00250	U	0.00260	U	0.00210	U	100	500	1000	1.1	100	1.1
1,2-Dichloroethane		107-06-2	0.00320	U	0.00260	U	0.00330	U	0.730	U	0.00330	U	0.00250	U	0.00260	U	0.00210	U	3.1	30	60	0.02	2.3	0.02
1,2-Dichloropropane		78-87-5	0.00320	U	0.00260	U	0.00330	U	0.730	U	0.00330	U	0.00250	U	0.00260	U	0.00210	U	~	~	~	~	~	~
1,3,5-Trimethylbenzene		108-67-8	0.00320	U	0.00260	U	0.00330	U	2.400	D	0.00330	U	0.00250	U	0.00260	U	0.00210	U	52	190	380	8.4	47	8.4
1,3-Dichlorobenzene		541-73-1	0.00320	U	0.00260	U	0.00330	U	0.730	U	0.00330	U	0.00250	U	0.00260	U	0.00210	U	49	280	560	2.4	17	2.4
1,4-Dichlorobenzene		106-46-7	0.00320	U	0.00260	U	0.00330	U	2.500	D	0.00330	U	0.00250	U	0.00260	U	0.00210	U	13	130	250	1.8	9.8	1.8
1,4-Dioxane		123-91-1	0.0630	U	0.0520	U	0.0650	U	15	U	0.0660	U	0.0500	U	0.0530	U	0.0410	U	13	130	250	0.1	9.8	0.1
2-Butanone		78-93-3	0.00320	U	0.00260	U	0.00330	U	0.730	U	0.00330	U	0.00250	U	0.00260	U	0.00210	U	100	500	1000	0.12	100	0.12
2-Hexanone		591-78-6	0.00320	U	0.00260	U	0.00330	U	0.730	U	0.00330	U	0.00250	U	0.00260	U	0.00210	U	~	~	~	~	~	~
4-Methyl-2-pentanone		108-10-1	0.00320	U	0.00260	U	0.00330	U	0.730	U	0.00330	U	0.00250	U	0.00260	U	0.00210	U	~	~	~	~	~	~
Acetone		67-64-1	0.0150		0.00560	J	0.0150		1.500	U	0.00850	J	0.00500	U	0.00880	J	0.00770	J	100	500	1000	0.05	100	0.05
Acrolein		107-02-8	0.00630	U	0.00520	U	0.00650	U	1.500	U	0.00660	U	0.00500	U	0.00530	U	0.00410	U	~	~	~	~	~	~
Acrylonitrile		107-13-1	0.00320	U	0.00260	U	0.00330	U	0.730	U	0.00330	U	0.00250	U	0.00260	U	0.00210	U	~	~	~	~	~	~
Benzene		71-43-2	0.00320	U	0.00260	U	0.00330	U	0.730	U	0.00330	U	0.00250	U	0.00260	U	0.00210	U	4.8	44	89	0.06	2.9	0.06
Bromochloromethane		74-97-5	0.00320	U	0.00260	U	0.00330	U	0.730	U	0.00330	U	0.00250	U	0.00260	U	0.00210	U	~	~	~	~	~	~
Bromodichloromethane		75-27-4	0.00320	U	0.00260	U	0.00330	U	0.730	U	0.00330	U	0.00250	U	0.00260	U	0.00210	U	~	~	~	~	~	~
Bromoform		75-25-2	0.00320	U	0.00260	U	0.00330	U	0.730	U	0.00330	U	0.00250	U	0.00260	U	0.00210	U	~	~	~	~	~	~
Bromomethane		74-83-9	0.00320	U	0.00260	U	0.00330	U	0.730	U	0.00330	U	0.00250	U	0.00260	U	0.00210	U	~	~	~	~	~	~
Carbon disulfide		75-15-0	0.00320	U	0.00260	U	0.00330	U	0.730	U	0.00330	U	0.00250	U	0.00260	U	0.00210	U	~	~	~	~	~	~
Carbon tetrachloride		56-23-5	0.00320	U	0.00260	U	0.00330	U	0.730	U	0.00330	U	0.00250	U	0.00260	U	0.00210	U	2.4	22	44	0.76	1.4	0.76
Chlorobenzene		108-90-7	0.00320	U	0.00260	U	0.00330	U	5.500	D	0.00330	U	0.00250	U	0.00260	U	0.00210	U	100	500	1000	1.1	100	1.1
Chloroethane		75-00-3	0.00320	U	0.00260	U	0.00330	U	0.730	U	0.00330	U	0.00250	U	0.00260	U	0.00210	U	~	~	~	~	~	~
Chloroform		67-66-3	0.00320	U	0.00260	U	0.00330	U	0.730	U	0.00330	U	0.00250	U	0.00260	U	0.00210	U	49	350	700	0.37	10	0.37
Chloromethane		74-87-3	0.00320	U	0.00260	U	0.00330	U	0.730	U	0.00330	U	0.00250	U	0.00260	U	0.00210	U	~	~	~	~	~	~
cis-1,2-Dichloroethylene		156-59-2	0.00320	U	0.00260	U	0.00330	U	0.730	U	0.00330	U	0.00250	U	0.00260	U	0.00210	U	100	500	1000	0.25	59	0.25

Table 2 (cont.)
Soil Sampling Results
100 E. 149th Street
Bronx, New York

Sample ID		SB1 0-2'		SB1 10'		SB2 0-2'		SB2 10'		SB3 0-2'		SB3 10'		SB4 0-2'		SB4 10'		NYSDEC Part 375 Restricted Use Soil Cleanup Objectives -Restricted Residential	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives Commercial	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives Industrial	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives Protection of GW	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives Residential	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	
York ID		19C0312-01		19C0312-02		19C0312-03		19C0312-04		19C0312-05		19C0312-06		19C0312-07		19C0312-08								
Sampling Date		3/7/2019		3/7/2019		3/7/2019		3/7/2019		3/7/2019		3/7/2019		3/7/2019		3/7/2019								
Client Matrix		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil								
Compound		CAS Number	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q						
cis-1,3-Dichloropropylene		10061-01-5	0.00320	U	0.00260	U	0.00330	U	0.730	U	0.00330	U	0.00250	U	0.00260	U	0.00210	U	~	~	~	~	~	
Cyclohexane		110-82-7	0.00320	U	0.00260	U	0.00330	U	3.600	D	0.00330	U	0.00250	U	0.00260	U	0.00210	U	~	~	~	~	~	
Dibromochloromethane		124-48-1	0.00320	U	0.00260	U	0.00330	U	0.730	U	0.00330	U	0.00250	U	0.00260	U	0.00210	U	~	~	~	~	~	
Dibromomethane		74-95-3	0.00320	U	0.00260	U	0.00330	U	0.730	U	0.00330	U	0.00250	U	0.00260	U	0.00210	U	~	~	~	~	~	
Dichlorodifluoromethane		75-71-8	0.00320	U	0.00260	U	0.00330	U	0.730	U	0.00330	U	0.00250	U	0.00260	U	0.00210	U	~	~	~	~	~	
Ethyl Benzene		100-41-4	0.00320	U	0.00260	U	0.00330	U	0.730	U	0.00330	U	0.00250	U	0.00260	U	0.00210	U	41	390	780	1	30	1
Hexachlorobutadiene		87-68-3	0.00320	U	0.00260	U	0.00330	U	0.730	U	0.00330	U	0.00250	U	0.00260	U	0.00210	U	~	~	~	~	~	~
Isopropylbenzene		98-82-8	0.00320	U	0.00260	U	0.00330	U	2.700	D	0.00330	U	0.00370	J	0.00260	U	0.00210	U	~	~	~	~	~	~
Methyl acetate		79-20-9	0.00320	U	0.00260	U	0.00330	U	0.730	U	0.00330	U	0.00250	U	0.00260	U	0.00210	U	~	~	~	~	~	~
Methyl tert-butyl ether (MTBE)		1634-04-4	0.00320	U	0.00260	U	0.00330	U	0.730	U	0.00330	U	0.00250	U	0.00260	U	0.00210	U	100	500	1000	0.93	62	0.93
Methylcyclohexane		108-87-2	0.00390	J	0.00260	U	0.00330	U	11	D	0.00330	U	0.00250	U	0.00260	U	0.00210	U	~	~	~	~	~	~
Methylene chloride		75-09-2	0.00860	J	0.00520	U	0.00650	U	1.500	U	0.00660	U	0.00500	U	0.00530	U	0.00410	U	100	500	1000	0.05	51	0.05
n-Butylbenzene		104-51-8	0.00320	U	0.00260	U	0.00330	U	2.800	D	0.00330	U	0.00250	U	0.00260	U	0.00210	U	100	500	1000	12	100	12
n-Propylbenzene		103-65-1	0.00320	U	0.00260	U	0.00330	U	6.500	D	0.00330	U	0.0120		0.00260	U	0.00210	U	100	500	1000	3.9	100	3.9
o-Xylene		95-47-6	0.00320	U	0.00260	U	0.00330	U	1	JD	0.00330	U	0.00250	U	0.00260	U	0.00210	U	~	~	~	~	~	~
p- & m- Xylenes		179601-23-1	0.00630	U	0.00520	U	0.00650	U	3.900	D	0.00660	U	0.00500	U	0.00530	U	0.00410	U	~	~	~	~	~	~
p-Isopropyltoluene		99-87-6	0.00320	U	0.00260	U	0.00330	U	1.500	D	0.00330	U	0.00390	J	0.00260	U	0.00210	U	~	~	~	~	~	~
sec-Butylbenzene		135-98-8	0.00320	U	0.00260	U	0.00330	U	2.200	D	0.00330	U	0.00410	J	0.00260	U	0.00210	U	100	500	1000	11	100	11
Styrene		100-42-5	0.00320	U	0.00260	U	0.00330	U	0.730	U	0.00330	U	0.00250	U	0.00260	U	0.00210	U	~	~	~	~	~	~
tert-Butyl alcohol (TBA)		75-65-0	0.00320	U	0.00260	U	0.00330	U	0.730	U	0.00330	U	0.00250	U	0.00260	U	0.00210	U	~	~	~	~	~	~
tert-Butylbenzene		98-06-6	0.00320	U	0.00260	U	0.00330	U	0.730	U	0.00330	U	0.00250	U	0.00260	U	0.00210	U	100	500	1000	5.9	100	5.9
Tetrachloroethylene		127-18-4	0.00320	U	0.00260	U	0.00330	U	0.730	U	0.00330	U	0.00250	U	0.00260	U	0.00210	U	19	150	300	1.3	5.5	1.3
Toluene		108-88-3	0.00320	U	0.00260	U	0.00330	U	0.730	U	0.00330	U	0.00250	U	0.00260	U	0.00210	U	100	500	1000	0.7	100	0.7
trans-1,2-Dichloroethylene		156-60-5	0.00320	U	0.00260	U	0.00330	U	0.730	U	0.00330	U	0.00250	U	0.00260	U	0.00210	U	100	500	1000	0.19	100	0.19
trans-1,3-Dichloropropylene		10061-02-6	0.00320	U	0.00260	U	0.00330	U	0.730	U	0.00330	U	0.00250	U	0.00260	U	0.00210	U	~	~	~	~	~	~
trans-1,4-dichloro-2-butene		110-57-6	0.00320	U	0.00260	U	0.00330	U	0.730	U	0.00330	U	0.00250	U	0.00260	U	0.00210	U	~	~	~	~	~	~
Trichloroethylene		79-01-6	0.00320	U	0.00260	U	0.00330	U	0.730	U	0.00330	U	0.00250	U	0.00260	U	0.00210	U	21	200	400	0.47	10	0.47
Trichlorofluoromethane		75-69-4	0.00320	U	0.00260	U	0.00330	U	0.730	U	0.00330	U	0.00250	U	0.00260	U	0.00210	U	~	~	~	~	~	~
Vinyl Chloride		75-01-4	0.00320	U	0.00260	U	0.00330	U	0.730	U	0.00330	U	0.00250	U	0.00260	U	0.00210	U	0.9	13	27	0.02	0.21	0.02
Xylenes, Total		1330-20-7	0.00950	U	0.00790	U	0.00980	U	4.900	D	0.0100	U	0.00740	U	0.00790	U	0.00620	U	100	500	1000	1.6	100	0.26
Semi-Volatiles, 8270 - Comprehensive			mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			2		2		2		10		10		10		2		2							
1,1-Biphenyl		92-52-4	0.0495	U	0.0501	U	0.0471	U	5.100	U	0.0508	U	0.0502	JD	0.0432	U	0.0432	U	~	~	~	~	~	~
1,2,4,5-Tetrachlorobenzene		95-94-3	0.0989	U	0.100	U	0.0939	U	10.200	U	0.101	U	0.0981	U	0.0861	U	0.0861	U	~	~	~	~	~	~
1,2,4-Trichlorobenzene		120-82-1	0.0495	U	0.0501	U	0.0471	U	5.100	U	0.0508	U	0.0492	U	0.0432	U	0.0432	U	~	~	~	~	~	~
1,2-Dichlorobenzene		95-50-1	0.0495	U	0.0501	U	0.0471	U	5.100	U	0.0508	U	0.0492	U	0.0432	U	0.0432	U	100	500	1000	1.1	100	1.1
1,2-Diphenylhydrazine (as Azobenzene)		122-66-7	0.0495	U	0.0501	U	0.0471	U	5.100	U	0.0508	U	0.0492	U	0.0432	U	0.0432	U	~	~	~	~	~	~
1,3-Dichlorobenzene		541-73-1	0.0495	U	0.0501	U	0.0471	U	5.100	U	0.0508	U	0.0492	U	0.0432	U	0.0432	U	49	280	560	2.4	17	2.4
1,4-Dichlorobenzene		106-46-7	0.0495	U	0.0501	U	0.0471	U	5.100	U	0.0508	U	0.0492	U	0.0432	U	0.0432	U	13	130	250	1.8	9.8	1.8
2,3,4,6-Tetrachlorophenol		58-90-2	0.0989	U	0.100	U	0.0939	U	10.200	U	0.101	U	0.0981	U	0.0861	U	0.0861	U	~	~	~	~	~	~

Table 2 (cont.)
Soil Sampling Results
100 E. 149th Street
Bronx, New York

Sample ID		SB1 0-2'		SB1 10'		SB2 0-2'		SB2 10'		SB3 0-2'		SB3 10'		SB4 0-2'		SB4 10'		NYSDEC Part 375 Restricted Use Soil Cleanup Objectives -Restricted Residential	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives Commercial	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives Industrial	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives Protection of GW	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives Residential	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	
York ID		19C0312-01		19C0312-02		19C0312-03		19C0312-04		19C0312-05		19C0312-06		19C0312-07		19C0312-08								
Sampling Date		3/7/2019		3/7/2019		3/7/2019		3/7/2019		3/7/2019		3/7/2019		3/7/2019		3/7/2019								
Client Matrix		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil								
Compound		CAS Number	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q						
2,4,5-Trichlorophenol		95-95-4	0.0495	U	0.0501	U	0.0471	U	5.100	U	0.0508	U	0.0492	U	0.0432	U	0.0432	U	~	~	~	~	~	
2,4,6-Trichlorophenol		88-06-2	0.0495	U	0.0501	U	0.0471	U	5.100	U	0.0508	U	0.0492	U	0.0432	U	0.0432	U	~	~	~	~	~	
2,4-Dichlorophenol		120-83-2	0.0495	U	0.0501	U	0.0471	U	5.100	U	0.0508	U	0.0492	U	0.0432	U	0.0432	U	~	~	~	~	~	
2,4-Dimethylphenol		105-67-9	0.0495	U	0.0501	U	0.0471	U	5.100	U	0.0508	U	0.0492	U	0.0432	U	0.0432	U	~	~	~	~	~	
2,4-Dinitrophenol		51-28-5	0.0989	U	0.100	U	0.0939	U	10.200	U	0.101	U	0.0981	U	0.0861	U	0.0861	U	~	~	~	~	~	
2,4-Dinitrotoluene		121-14-2	0.0495	U	0.0501	U	0.0471	U	5.100	U	0.0508	U	0.0492	U	0.0432	U	0.0432	U	~	~	~	~	~	
2,6-Dinitrotoluene		606-20-2	0.0495	U	0.0501	U	0.0471	U	5.100	U	0.0508	U	0.0492	U	0.0432	U	0.0432	U	~	~	~	~	~	
2-Chloronaphthalene		91-58-7	0.0495	U	0.0501	U	0.0471	U	5.100	U	0.0508	U	0.0492	U	0.0432	U	0.0432	U	~	~	~	~	~	
2-Chlorophenol		95-57-8	0.0495	U	0.0501	U	0.0471	U	5.100	U	0.0508	U	0.0492	U	0.0432	U	0.0432	U	~	~	~	~	~	
2-Methylnaphthalene		91-57-6	0.0495	U	0.0727	JD	0.0471	U	50.800	D	0.0508	U	0.169	D	0.0432	U	0.310	D	~	~	~	~	~	
2-Methylphenol		95-48-7	0.0495	U	0.0501	U	0.0471	U	5.100	U	0.0508	U	0.0492	U	0.0432	U	0.0432	U	100	500	1000	0.33	100	0.33
2-Nitroaniline		88-74-4	0.0989	U	0.100	U	0.0939	U	10.200	U	0.101	U	0.0981	U	0.0861	U	0.0861	U	~	~	~	~	~	~
2-Nitrophenol		88-75-5	0.0495	U	0.0501	U	0.0471	U	5.100	U	0.0508	U	0.0492	U	0.0432	U	0.0432	U	~	~	~	~	~	~
3- & 4-Methylphenols		65794-96-9	0.0495	U	0.0501	U	0.0471	U	5.100	U	0.0508	U	0.0492	U	0.0432	U	0.0432	U	~	~	~	~	~	~
3,3-Dichlorobenzidine		91-94-1	0.0495	U	0.0501	U	0.0471	U	5.100	U	0.0508	U	0.0492	U	0.0432	U	0.0432	U	~	~	~	~	~	~
3-Nitroaniline		99-09-2	0.0989	U	0.100	U	0.0939	U	10.200	U	0.101	U	0.0981	U	0.0861	U	0.0861	U	~	~	~	~	~	~
4,6-Dinitro-2-methylphenol		534-52-1	0.0989	U	0.100	U	0.0939	U	10.200	U	0.101	U	0.0981	U	0.0861	U	0.0861	U	~	~	~	~	~	~
4-Bromophenyl phenyl ether		101-55-3	0.0495	U	0.0501	U	0.0471	U	5.100	U	0.0508	U	0.0492	U	0.0432	U	0.0432	U	~	~	~	~	~	~
4-Chloro-3-methylphenol		59-50-7	0.0495	U	0.0501	U	0.0471	U	5.100	U	0.0508	U	0.0492	U	0.0432	U	0.0432	U	~	~	~	~	~	~
4-Chloroaniline		106-47-8	0.0495	U	0.0501	U	0.0471	U	5.100	U	0.0508	U	0.0492	U	0.0432	U	0.0432	U	~	~	~	~	~	~
4-Chlorophenyl phenyl ether		7005-72-3	0.0495	U	0.0501	U	0.0471	U	5.100	U	0.0508	U	0.0492	U	0.0432	U	0.0432	U	~	~	~	~	~	~
4-Nitroaniline		100-01-6	0.0989	U	0.100	U	0.0939	U	10.200	U	0.101	U	0.0981	U	0.0861	U	0.0861	U	~	~	~	~	~	~
4-Nitrophenol		100-02-7	0.0989	U	0.100	U	0.0939	U	10.200	U	0.101	U	0.0981	U	0.0861	U	0.0861	U	~	~	~	~	~	~
Acenaphthene		83-32-9	0.0609	JD	0.0501	U	0.0773	JD	5.100	U	0.543	D	0.169	D	0.0432	U	0.0432	U	100	500	1000	98	100	20
Acenaphthylene		208-96-8	0.0711	JD	0.0501	U	0.0471	U	5.100	U	0.117	D	0.143	D	0.0432	U	0.0432	U	100	500	1000	107	100	100
Acetophenone		98-86-2	0.0495	U	0.0501	U	0.0471	U	5.100	U	0.0508	U	0.0492	U	0.0432	U	0.0432	U	~	~	~	~	~	~
Aniline		62-53-3	0.198	U	0.200	U	0.188	U	20.400	U	0.203	U	0.196	U	0.172	U	0.172	U	~	~	~	~	~	~
Anthracene		120-12-7	0.281	D	0.0501	U	0.217	D	5.100	U	1.520	D	0.540	D	0.0432	U	0.0432	U	100	500	1000	1000	100	100
Atrazine		1912-24-9	0.0495	U	0.0501	U	0.0471	U	5.100	U	0.0508	U	0.0492	U	0.0432	U	0.0432	U	~	~	~	~	~	~
Benzaldehyde		100-52-7	0.0495	U	0.0501	U	0.0471	U	5.100	U	0.0508	U	0.0492	U	0.0432	U	0.0432	U	~	~	~	~	~	~
Benzidine		92-87-5	0.198	U	0.200	U	0.188	U	20.400	U	0.203	U	0.196	U	0.172	U	0.172	U	~	~	~	~	~	~
Benzo(a)anthracene		56-55-3	1.500	D	0.201	D	0.756	D	5.100	U	4.590	D	3.020	D	0.142	D	0.0432	U	1	5.6	11	1	1	1
Benzo(a)pyrene		50-32-8	1.480	D	0.421	D	0.702	D	5.100	U	4.570	D	8.570	D	0.147	D	0.0432	U	1	1	1.1	22	1	1
Benzo(b)fluoranthene		205-99-2	1.300	D	0.344	D	0.609	D	5.100	U	3.180	D	5.230	D	0.128	D	0.0432	U	1	5.6	11	1.7	1	1
Benzo(g,h,i)perylene		191-24-2	0.819	D	0.349	D	0.408	D	5.100	U	2.170	D	7.370	D	0.0943	D	0.0432	U	100	500	1000	1000	100	100
Benzo(k)fluoranthene		207-08-9	1.020	D	0.247	D	0.512	D	5.100	U	3.010	D	4.270	D	0.0957	D	0.0432	U	3.9	56	110	1.7	1	0.8
Benzoic acid		65-85-0	0.0495	U	0.0501	U	0.0471	U	5.100	U	0.0508	U	0.0492	U	0.0432	U	0.0432	U	~	~	~	~	~	~
Benzyl alcohol		100-51-6	0.0495	U	0.0501	U	0.0471	U	5.100	U	0.0508	U	0.0492	U	0.0432	U	0.0432	U	~	~	~	~	~	~
Benzyl butyl phthalate		85-68-7	0.0495	U	0.0501	U	0.0471	U	5.100	U	0.0508	U	0.0492	U	0.0432	U	0.0432	U	~	~	~	~	~	~
Bis(2-chloroethoxy)methane		111-91-1	0.0495	U	0.0501	U	0.0471	U	5.100	U	0.0508	U	0.0492	U	0.0432	U	0.0432	U	~	~	~	~	~	~

Table 2 (cont.)
Soil Sampling Results
100 E. 149th Street
Bronx, New York

Sample ID		SB1 0-2'		SB1 10'		SB2 0-2'		SB2 10'		SB3 0-2'		SB3 10'		SB4 0-2'		SB4 10'		NYSDEC Part 375 Restricted Use Soil Cleanup Objectives -Restricted Residential	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives Commercial	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives Industrial	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives Protection of GW	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives Residential	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives
York ID	Sampling Date	19C0312-01 3/7/2019		19C0312-02 3/7/2019		19C0312-03 3/7/2019		19C0312-04 3/7/2019		19C0312-05 3/7/2019		19C0312-06 3/7/2019		19C0312-07 3/7/2019		19C0312-08 3/7/2019							
Client Matrix		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil							
Compound	CAS Number	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q						
Bis(2-chloroethyl)ether	111-44-4	0.0495	U	0.0501	U	0.0471	U	5.100	U	0.0508	U	0.0492	U	0.0432	U	0.0432	U	~	~	~	~	~	~
Bis(2-chloroisopropyl)ether	108-60-1	0.0495	U	0.0501	U	0.0471	U	5.100	U	0.0508	U	0.0492	U	0.0432	U	0.0432	U	~	~	~	~	~	~
Bis(2-ethylhexyl)phthalate	117-81-7	0.0495	U	0.0501	U	0.0471	U	5.100	U	0.0508	U	0.0492	U	0.0432	U	0.0432	U	~	~	~	~	~	~
Caprolactam	105-60-2	0.0989	U	0.100	U	0.0939	U	10.200	U	0.101	U	0.0981	U	0.0861	U	0.0861	U	~	~	~	~	~	~
Carbazole	86-74-8	0.0672	JD	0.0501	U	0.0555	JD	5.100	U	0.327	D	0.212	D	0.0432	U	0.0432	U	~	~	~	~	~	~
Chrysene	218-01-9	1.280	D	0.225	D	0.671	D	5.100	U	4.040	D	2.670	D	0.120	D	0.0432	U	3.9	56	110	1	1	1
Dibenzo(a,h)anthracene	53-70-3	0.251	D	0.105	D	0.132	D	5.100	U	0.736	D	1.500	D	0.0432	U	0.0432	U	0.33	0.56	1.1	1000	0.33	0.33
Dibenzofuran	132-64-9	0.0495	U	0.0501	U	0.0471	U	5.100	U	0.148	D	0.172	D	0.0432	U	0.0432	U	59	350	1000	210	14	7
Diethyl phthalate	84-66-2	0.0495	U	0.0501	U	0.0471	U	5.100	U	0.0508	U	0.0492	U	0.0432	U	0.0432	U	~	~	~	~	~	~
Dimethyl phthalate	131-11-3	0.0495	U	0.0501	U	0.0471	U	5.100	U	0.0508	U	0.0492	U	0.0432	U	0.0432	U	~	~	~	~	~	~
Di-n-butyl phthalate	84-74-2	0.0495	U	0.0501	U	0.0471	U	5.100	U	0.0508	U	0.0492	U	0.0432	U	0.0432	U	~	~	~	~	~	~
Di-n-octyl phthalate	117-84-0	0.0495	U	0.0501	U	0.0471	U	5.100	U	0.0508	U	0.0492	U	0.0432	U	0.0432	U	~	~	~	~	~	~
Fluoranthene	206-44-0	2.850	D	0.242	D	1.500	D	5.610	JD	8.850	D	3.880	D	0.192	D	0.0432	U	100	500	1000	1000	100	100
Fluorene	86-73-7	0.0545	JD	0.0501	U	0.0713	JD	5.100	U	0.501	D	0.173	D	0.0432	U	0.0432	U	100	500	1000	386	100	30
Hexachlorobenzene	118-74-1	0.0495	U	0.0501	U	0.0471	U	5.100	U	0.0508	U	0.0492	U	0.0432	U	0.0432	U	1.2	6	12	3.2	0.33	0.33
Hexachlorobutadiene	87-68-3	0.0495	U	0.0501	U	0.0471	U	5.100	U	0.0508	U	0.0492	U	0.0432	U	0.0432	U	~	~	~	~	~	~
Hexachlorocyclopentadiene	77-47-4	0.0495	U	0.0501	U	0.0471	U	5.100	U	0.0508	U	0.0492	U	0.0432	U	0.0432	U	~	~	~	~	~	~
Hexachloroethane	67-72-1	0.0495	U	0.0501	U	0.0471	U	5.100	U	0.0508	U	0.0492	U	0.0432	U	0.0432	U	~	~	~	~	~	~
Indeno(1,2,3-cd)pyrene	193-39-5	0.974	D	0.390	D	0.449	D	5.100	U	2.600	D	7.570	D	0.103	D	0.0432	U	0.5	5.6	11	8.2	0.5	0.5
Isophorone	78-59-1	0.0495	U	0.0501	U	0.0471	U	5.100	U	0.0508	U	0.0492	U	0.0432	U	0.0432	U	~	~	~	~	~	~
Naphthalene	91-20-3	0.0495	U	0.0501	U	0.0471	U	26.300	D	0.0508	U	1.010	D	0.0432	U	0.393	D	100	500	1000	12	100	12
Nitrobenzene	98-95-3	0.0495	U	0.0501	U	0.0471	U	5.100	U	0.0508	U	0.0492	U	0.0432	U	0.0432	U	~	~	~	~	~	~
N-Nitrosodimethylamine	62-75-9	0.0495	U	0.0501	U	0.0471	U	5.100	U	0.0508	U	0.0492	U	0.0432	U	0.0432	U	~	~	~	~	~	~
N-nitroso-di-n-propylamine	621-64-7	0.0495	U	0.0501	U	0.0471	U	5.100	U	0.0508	U	0.0492	U	0.0432	U	0.0432	U	~	~	~	~	~	~
N-Nitrosodiphenylamine	86-30-6	0.0495	U	0.0501	U	0.0471	U	5.100	U	0.0508	U	0.0492	U	0.0432	U	0.0432	U	~	~	~	~	~	~
Pentachlorophenol	87-86-5	0.0495	U	0.0501	U	0.0471	U	5.100	U	0.0508	U	0.0492	U	0.0432	U	0.0432	U	6.7	6.7	55	0.8	2.4	0.8
Phenanthrene	85-01-8	1.100	D	0.109	D	0.898	D	6.920	JD	5.920	D	1.800	D	0.0599	JD	0.0432	U	100	500	1000	1000	100	100
Phenol	108-95-2	0.0495	U	0.0501	U	0.0471	U	5.100	U	0.0508	U	0.0492	U	0.0432	U	0.0432	U	100	500	1000	0.33	100	0.33
Pyrene	129-00-0	2.520	D	0.245	D	1.290	D	8.790	JD	9.010	D	4.040	D	0.183	D	0.0432	U	100	500	1000	1000	100	100
Pesticides, EPA TCL List			mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		2		2		2		2		2		2		2		2							
4,4'-DDD	72-54-8	0.00078	U	0.00079	U	0.00891	D	0.00160	U	0.00079	U	0.00078	U	0.00069	U	0.00069	U	13	92	180	14	2.6	0.0033
4,4'-DDE	72-55-9	0.00078	U	0.00079	U	0.00074	U	0.00160	U	0.00079	U	0.00078	U	0.00069	U	0.00069	U	8.9	62	120	17	1.8	0.0033
4,4'-DDT	50-29-3	0.00078	U	0.00079	U	0.00074	U	0.00160	U	0.00079	U	0.00078	U	0.00185	D	0.00069	U	7.9	47	94	136	1.7	0.0033
Aldrin	309-00-2	0.00078	U	0.00079	U	0.00074	U	0.00160	U	0.00079	U	0.00078	U	0.00069	U	0.00069	U	0.097	0.68	1.4	0.19	0.019	0.005
alpha-BHC	319-84-6	0.00078	U	0.00079	U	0.00074	U	0.00160	U	0.00079	U	0.00078	U	0.00069	U	0.00069	U	0.48	3.4	6.8	0.02	0.097	0.02
beta-BHC	319-85-7	0.00078	U	0.00079	U	0.00074	U	0.00160	U	0.00079	U	0.00078	U	0.00069	U	0.00069	U	0.36	3	14	0.09	0.072	0.036
Chlordane, total	57-74-9	0.00156	U	0.00158	U	0.00149	U	0.00321	U	0.00158	U	0.00157	U	0.00137	U	0.00137	U	~	~	~	~	~	~
delta-BHC	319-86-8	0.00078	U	0.00079	U	0.00074	U	0.00160	U	0.00079	U	0.00078	U	0.00069	U	0.00069	U	100	500	1000	0.25	100	0.04
Dieldrin	60-57-1	0.00078	U	0.00079	U	0.00074	U	0.00160	U	0.00079	U	0.00078	U	0.00069	U	0.00069	U	0.2	1.4	2.8	0.1	0.039	0.005

Table 2 (cont.)
Soil Sampling Results
100 E. 149th Street
Bronx, New York

Sample ID		SB1 0-2'		SB1 10'		SB2 0-2'		SB2 10'		SB3 0-2'		SB3 10'		SB4 0-2'		SB4 10'		NYSDEC Part 375 Restricted Use Soil Cleanup Objectives -Restricted Residential	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives Commercial	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives Industrial	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives Protection of GW	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives Residential	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	
York ID		19C0312-01		19C0312-02		19C0312-03		19C0312-04		19C0312-05		19C0312-06		19C0312-07		19C0312-08								
Sampling Date		3/7/2019		3/7/2019		3/7/2019		3/7/2019		3/7/2019		3/7/2019		3/7/2019		3/7/2019								
Client Matrix		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil								
Compound		CAS Number	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q						
Endosulfan I		959-98-8	0.00078	U	0.00079	U	0.00074	U	0.00160	U	0.00079	U	0.00078	U	0.00069	U	0.00069	U	24	200	920	102	4.8	2.4
Endosulfan II		33213-65-9	0.00078	U	0.00079	U	0.00074	U	0.00160	U	0.00079	U	0.00078	U	0.00069	U	0.00069	U	24	200	920	102	4.8	2.4
Endosulfan sulfate		1031-07-8	0.00078	U	0.00079	U	0.00074	U	0.00160	U	0.00079	U	0.00078	U	0.00069	U	0.00069	U	24	200	920	1000	4.8	2.4
Endrin		72-20-8	0.00078	U	0.00079	U	0.00074	U	0.00160	U	0.00079	U	0.00078	U	0.00069	U	0.00069	U	11	89	410	0.06	2.2	0.014
Endrin aldehyde		7421-93-4	0.00078	U	0.00079	U	0.00074	U	0.00160	U	0.00079	U	0.00078	U	0.00069	U	0.00069	U	~	~	~	~	~	~
Endrin ketone		53494-70-5	0.00078	U	0.00079	U	0.00074	U	0.00160	U	0.00079	U	0.00078	U	0.00069	U	0.00069	U	~	~	~	~	~	~
gamma-BHC (Lindane)		58-89-9	0.00078	U	0.00079	U	0.00074	U	0.00160	U	0.00079	U	0.00078	U	0.00069	U	0.00069	U	1.3	9.2	23	0.1	0.28	0.1
Heptachlor		76-44-8	0.00078	U	0.00079	U	0.00074	U	0.00160	U	0.00079	U	0.00078	U	0.00069	U	0.00069	U	2.1	15	29	0.38	0.42	0.042
Heptachlor epoxide		1024-57-3	0.00078	U	0.00079	U	0.00074	U	0.00160	U	0.00079	U	0.00078	U	0.00069	U	0.00069	U	~	~	~	~	~	~
Methoxychlor		72-43-5	0.00391	U	0.00396	U	0.00371	U	0.00802	U	0.00396	U	0.00392	U	0.00343	U	0.00343	U	~	~	~	~	~	~
Toxaphene		8001-35-2	0.0396	U	0.0400	U	0.0376	U	0.0811	U	0.0401	U	0.0397	U	0.0347	U	0.0347	U	~	~	~	~	~	~
Metals, Target Analyte			mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1		1		1		1		1		1		1		1							
Aluminum		7429-90-5	8,550		9,270		4,670		8,690		8,820		7,930		8,070		4,380		~	~	~	~	~	~
Antimony		7440-36-0	2.980	U	3.020	U	2.840	U	5.420		3.050	U	2.980	U	2.610	U	2.620	U	~	~	~	~	~	~
Arsenic		7440-38-2	6.190		10		5.300		35.800		2.610		4.770		6.150		10.200		16	16	16	16	16	13
Barium		7440-39-3	196		141		68.300		1,110		86.200		87.200		104		66.500		400	400	10000	820	350	350
Beryllium		7440-41-7	0.0600	U	0.0600	U	0.0570	U	0.0820	U	0.0610	U	0.0600	U	0.0520	U	0.227		72	590	2700	47	14	7.2
Cadmium		7440-43-9	1.980		0.628		0.777		16.500		0.366	U	0.914		0.399		0.314	U	4.3	9.3	60	7.5	2.5	2.5
Calcium		7440-70-2	9,120		8,790		50,000		17,900		6,480		7,780		103,000		158,000		~	~	~	~	~	~
Chromium		7440-47-3	25.200		17.100		9.400		54.200		13.600		19.800		19.500		7.270		~	~	~	~	~	~
Cobalt		7440-48-4	9.880		10.800		4.880		8.900		6.830		9.460		8.680		5.210		~	~	~	~	~	~
Copper		7440-50-8	81.400		77.600		31.500		267		35		209		29.300		15.100		270	270	10000	1720	270	50
Iron		7439-89-6	19,300		24,000		11,000		30,400		14,000		16,700		16,600		11,600		~	~	~	~	~	~
Lead		7439-92-1	410		566		112		10,700		238		173		18.200		11.200		400	1000	3900	450	400	63
Magnesium		7439-95-4	3,930		5,330		13,000		2,470		3,660		3,310		8,770		11,500		~	~	~	~	~	~
Manganese		7439-96-5	268		265		166		223		117		348		200		179		2000	10000	10000	2000	2000	1600
Nickel		7440-02-0	25.100		19.700		11.900		62.500		14		28.300		18.700		12.900		310	310	10000	130	140	30
Potassium		7440-09-7	2,030		2,810		803		1,460		1,000		2,500		3,560		1,250		~	~	~	~	~	~
Selenium		7782-49-2	2.980	U	3.020	U	5.240		4.110	U	3.050	U	2.980	U	2.610	U	2.620	U	180	1500	6800	4	36	3.9
Silver		7440-22-4	0.597	U	0.603	U	0.568	U	0.822	U	0.610	U	0.596	U	0.521	U	0.523	U	180	1500	6800	8.3	36	2
Sodium		7440-23-5	524		274		202		1,690		214		179		512		387		~	~	~	~	~	~
Thallium		7440-28-0	2.980	U	3.020	U	2.840	U	4.110	U	3.050	U	2.980	U	2.610	U	2.620	U	~	~	~	~	~	~
Vanadium		7440-62-2	40.300		34.100		24.400		45.700		18.800		25.400		28.100		11.100		~	~	~	~	~	~
Zinc		7440-66-6	654		204		103		2,090		107		283		51,500		122		10000	10000	10000	2480	2200	109
Mercury by 7473			mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1		1		1		1		1		1		1		1							
Mercury		7439-97-6	1.070		1.950		0.0898		0.716		1.540		2.250		0.0313	U	0.0314	U	0.81	2.8	5.7	0.73	0.81	0.18
Total Solids			%		%		%		%		%		%		%		%							
Dilution Factor			1		1		1		1		1		1		1		1							

Table 2 (cont.)
Soil Sampling Results
100 E. 149th Street
Bronx, New York

Sample ID		SB1 0-2'		SB1 10'		SB2 0-2'		SB2 10'		SB3 0-2'		SB3 10'		SB4 0-2'		SB4 10'		NYSDEC Part 375 Restricted Use Soil Cleanup Objectives -Restricted Residential	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives Commercial	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives Industrial	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives Protection of GW	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives Residential	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives
York ID		19C0312-01		19C0312-02		19C0312-03		19C0312-04		19C0312-05		19C0312-06		19C0312-07		19C0312-08							
Sampling Date		3/7/2019		3/7/2019		3/7/2019		3/7/2019		3/7/2019		3/7/2019		3/7/2019		3/7/2019							
Client Matrix		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil							
Compound		CAS Number	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q					
% Solids		solids	83.800		82.900		88		60.800		82		83.900		95.900		95.600		~	~	~	~	~
Polychlorinated Biphenyls (PCB)			mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1		1		1		1		1		1		1		1						
Aroclor 1016		12674-11-2	0.0197	U	0.0200	U	0.0188	U	0.0405	U	0.0200	U	0.0198	U	0.0173	U	0.0173	U	~	~	~	~	~
Aroclor 1221		11104-28-2	0.0197	U	0.0200	U	0.0188	U	0.0405	U	0.0200	U	0.0198	U	0.0173	U	0.0173	U	~	~	~	~	~
Aroclor 1232		11141-16-5	0.0197	U	0.0200	U	0.0188	U	0.0405	U	0.0200	U	0.0198	U	0.0173	U	0.0173	U	~	~	~	~	~
Aroclor 1242		53469-21-9	0.0197	U	0.0200	U	0.0188	U	3.100		0.0200	U	0.0198	U	0.0173	U	0.0173	U	~	~	~	~	~
Aroclor 1248		12672-29-6	0.0197	U	0.0200	U	0.0188	U	2.920		0.0200	U	0.0198	U	0.0173	U	0.0173	U	~	~	~	~	~
Aroclor 1254		11097-69-1	0.0197	U	0.0200	U	0.0188	U	1.510		0.0200	U	0.0198	U	0.0173	U	0.0173	U	~	~	~	~	~
Aroclor 1260		11096-82-5	0.0197	U	0.0200	U	0.0342		0.934		0.0200	U	0.0198	U	0.0173	U	0.0173	U	~	~	~	~	~
Total PCBs		1336-36-3	0.0197	U	0.0200	U	0.0342		8.460		0.0200	U	0.0198	U	0.0173	U	0.0173	U	1	1	25	3.2	1

NOTES:

Any Regulatory Exceedences are color coded by Regulation

Q is the Qualifier Column with definitions as follows:

D=result is from an analysis that required a dilution

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

U=analyte not detected at or above the level indicated

B=analyte found in the analysis batch blank

E=result is estimated and cannot be accurately reported due to levels encountered or interferences

P=this flag is used for pesticide and PCB (Aroclor) target compounds when there is a % difference for detected concentrations that exceed method dictated limits between the two GC columns used for analysis

NT=this indicates the analyte was not a target for this sample

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

Table 3
Groundwater Sampling Results
100 E. 149th Street
Bronx, New York

Sample ID York ID Sampling Date Client Matrix		MW1 19C0297-01 3/7/2019 Water		MW2 19C0297-02 3/7/2019 Water		MW3 19C0296-01 3/7/2019 Water		MW4 19C0296-02 3/7/2019 Water		NYSDEC TOGS Standards and Guidance Values - GA
Compound	CAS Number	Result	Q	Result	Q	Result	Q	Result	Q	
Volatile Organics, 8260 - Comprehensive		ug/L		ug/L		ug/L		ug/L		ug/L
Dilution Factor		5		5		5		5		
1,1,1,2-Tetrachloroethane	630-20-6	0.400	U	0.400	U	0.200	U	0.200	U	5
1,1,1-Trichloroethane	71-55-6	0.400	U	0.400	U	0.200	U	0.200	U	5
1,1,2,2-Tetrachloroethane	79-34-5	0.400	U	0.400	U	0.200	U	0.200	U	5
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	76-13-1	0.400	U	0.400	U	0.200	U	0.200	U	5
1,1,2-Trichloroethane	79-00-5	0.400	U	0.400	U	0.200	U	0.200	U	1
1,1-Dichloroethane	75-34-3	0.400	U	0.400	U	0.200	U	0.200	U	5
1,1-Dichloroethylene	75-35-4	0.400	U	0.400	U	0.200	U	0.200	U	5
1,2,3-Trichlorobenzene	87-61-6	0.400	U	0.400	U	0.200	U	0.200	U	5
1,2,3-Trichloropropane	96-18-4	0.400	U	0.400	U	0.200	U	0.200	U	0.04
1,2,4-Trichlorobenzene	120-82-1	0.400	U	0.400	U	0.200	U	0.200	U	5
1,2,4-Trimethylbenzene	95-63-6	110	D	21	D	7		150		5
1,2-Dibromo-3-chloropropane	96-12-8	0.400	U	0.400	U	0.200	U	0.200	U	0.04
1,2-Dibromoethane	106-93-4	0.400	U	0.400	U	0.200	U	0.200	U	0.0006
1,2-Dichlorobenzene	95-50-1	0.400	U	0.400	U	0.200	U	0.200	U	3
1,2-Dichloroethane	107-06-2	0.400	U	0.400	U	0.200	U	0.200	U	0.6
1,2-Dichloropropane	78-87-5	0.400	U	0.400	U	0.200	U	0.200	U	1
1,3,5-Trimethylbenzene	108-67-8	54	D	9,900	D	45		41		5
1,3-Dichlorobenzene	541-73-1	0.400	U	0.400	U	0.200	U	0.200	U	3
1,4-Dichlorobenzene	106-46-7	0.400	U	0.400	U	0.200	U	0.200	U	3
1,4-Dioxane	123-91-1	80	U	80	U	40	U	40	U	~
2-Butanone	78-93-3	10	D	43	D	11		0.200	U	50
2-Hexanone	591-78-6	0.400	U	0.400	U	0.200	U	0.200	U	50
4-Methyl-2-pentanone	108-10-1	0.400	U	0.400	U	0.200	U	0.200	U	~
Acetone	67-64-1	14	D	55	D	15		2	J	50
Acrolein	107-02-8	0.400	U	0.400	U	0.200	U	0.200	U	~
Acrylonitrile	107-13-1	0.400	U	0.400	U	0.200	U	0.200	U	~
Benzene	71-43-2	54	D	86	D	0.200	U	3		1
Bromochloromethane	74-97-5	0.400	U	0.400	U	0.200	U	0.200	U	5
Bromodichloromethane	75-27-4	0.400	U	0.400	U	0.200	U	0.200	U	50
Bromoform	75-25-2	0.400	U	0.400	U	0.200	U	0.200	U	50
Bromomethane	74-83-9	0.400	U	0.400	U	0.200	U	0.200	U	5
Carbon disulfide	75-15-0	0.700	JD	1.500	D	0.640		0.200	U	~
Carbon tetrachloride	56-23-5	0.400	U	0.400	U	0.200	U	0.200	U	5
Chlorobenzene	108-90-7	0.400	U	0.740	JD	0.200	U	0.200	U	5
Chloroethane	75-00-3	0.400	U	0.400	U	0.200	U	0.200	U	5
Chloroform	67-66-3	0.400	U	0.400	U	0.200	U	14		7
Chloromethane	74-87-3	0.400	U	0.400	U	0.200	U	0.200	U	5
cis-1,2-Dichloroethylene	156-59-2	0.400	U	0.400	U	0.200	U	0.200	U	5

Table 3 (cont.)
Groundwater Sampling Results
100 E. 149th Street
Bronx, New York

Sample ID York ID Sampling Date Client Matrix		MW1 19C0297-01 3/7/2019 Water		MW2 19C0297-02 3/7/2019 Water		MW3 19C0296-01 3/7/2019 Water		MW4 19C0296-02 3/7/2019 Water		NYSDEC TOGS Standards and Guidance Values GA
Compound	CAS Number	Result	Q	Result	Q	Result	Q	Result	Q	
cis-1,3-Dichloropropylene	10061-01-5	0.400	U	0.400	U	0.200	U	0.200	U	0.4
Cyclohexane	110-82-7	200	DE	280	DE	180	D	0.200	U	~
Dibromochloromethane	124-48-1	0.400	U	0.400	U	0.200	U	0.200	U	50
Dibromomethane	74-95-3	0.400	U	0.400	U	0.200	U	0.200	U	~
Dichlorodifluoromethane	75-71-8	0.400	U	0.400	U	0.200	U	0.200	U	5
Ethyl Benzene	100-41-4	61	D	50	D	51		60		5
Hexachlorobutadiene	87-68-3	0.400	U	0.400	U	0.200	U	0.200	U	0.5
Isopropylbenzene	98-82-8	37	D	53	D	19		92		5
Methyl acetate	79-20-9	0.400	U	0.400	U	0.200	U	0.200	U	~
Methyl tert-butyl ether (MTBE)	1634-04-4	0.400	U	0.400	U	0.200	U	0.200	U	10
Methylcyclohexane	108-87-2	400	D	460	D	240	D	120		~
Methylene chloride	75-09-2	2	U	2	U	1	U	1.900	J	5
n-Butylbenzene	104-51-8	17	D	30	D	11		43		5
n-Propylbenzene	103-65-1	81	D	120	D	50		290	D	5
o-Xylene	95-47-6	12	D	9	D	5.900		4.600		5
p- & m- Xylenes	179601-23-1	54	D	35	D	20		84		5
p-Isopropyltoluene	99-87-6	8.800	D	8.300	D	5.800		3.400		5
sec-Butylbenzene	135-98-8	8.600	D	12	D	5.700		38		5
Styrene	100-42-5	0.400	U	0.400	U	0.200	U	0.200	U	5
tert-Butyl alcohol (TBA)	75-65-0	1	U	1	U	0.500	U	0.500	U	~
tert-Butylbenzene	98-06-6	1.200	D	1.400	D	0.520		0.200	U	5
Tetrachloroethylene	127-18-4	0.400	U	0.400	U	0.200	U	0.200	U	5
Toluene	108-88-3	14	D	18	D	6.300		3.900		5
trans-1,2-Dichloroethylene	156-60-5	0.400	U	0.400	U	0.200	U	0.200	U	5
trans-1,3-Dichloropropylene	10061-02-6	0.400	U	0.400	U	0.200	U	0.200	U	0.4
trans-1,4-dichloro-2-butene	110-57-6	0.400	U	0.400	U	0.200	U	0.200	U	~
Trichloroethylene	79-01-6	0.400	U	0.400	U	0.200	U	0.200	U	5
Trichlorofluoromethane	75-69-4	0.400	U	0.400	U	0.200	U	0.200	U	5
Vinyl Chloride	75-01-4	0.400	U	0.400	U	0.200	U	0.200	U	2
Xylenes, Total	1330-20-7	66	D	44	D	26		89		5
Semi-Volatiles, 8270 - Comprehensive		ug/L		ug/L		ug/L		ug/L		ug/L
Dilution Factor		2		5		1		2		
1,1-Biphenyl	92-52-4	2.500	U	2.500	U	2.560	U	2.630	U	~
1,2,4,5-Tetrachlorobenzene	95-94-3	2.500	U	2.500	U	2.560	U	2.630	U	~
1,2,4-Trichlorobenzene	120-82-1	2.500	U	2.500	U	2.560	U	2.630	U	5
1,2-Dichlorobenzene	95-50-1	2.500	U	2.500	U	2.560	U	2.630	U	3
1,2-Diphenylhydrazine (as Azobenzene)	122-66-7	2.500	U	2.500	U	2.560	U	2.630	U	~
1,3-Dichlorobenzene	541-73-1	2.500	U	2.500	U	2.560	U	2.630	U	3
1,4-Dichlorobenzene	106-46-7	2.500	U	2.500	U	2.560	U	2.630	U	3
2,3,4,6-Tetrachlorophenol	58-90-2	2.500	U	2.500	U	2.560	U	2.630	U	~

Table 3 (cont.)
Groundwater Sampling Results
100 E. 149th Street
Bronx, New York

Sample ID York ID Sampling Date Client Matrix		MW1 19C0297-01 3/7/2019 Water		MW2 19C0297-02 3/7/2019 Water		MW3 19C0296-01 3/7/2019 Water		MW4 19C0296-02 3/7/2019 Water		NYSDEC TOGS Standards and Guidance Values GA
Compound	CAS Number	Result	Q	Result	Q	Result	Q	Result	Q	
2,4,5-Trichlorophenol	95-95-4	2.500	U	2.500	U	2.560	U	2.630	U	1
2,4,6-Trichlorophenol	88-06-2	2.500	U	2.500	U	2.560	U	2.630	U	1
2,4-Dichlorophenol	120-83-2	2.500	U	2.500	U	2.560	U	2.630	U	5
2,4-Dimethylphenol	105-67-9	2.500	U	2.500	U	2.560	U	2.630	U	50
2,4-Dinitrophenol	51-28-5	2.500	U	2.500	U	2.560	U	2.630	U	10
2,4-Dinitrotoluene	121-14-2	2.500	U	2.500	U	2.560	U	2.630	U	5
2,6-Dinitrotoluene	606-20-2	2.500	U	2.500	U	2.560	U	2.630	U	5
2-Chloronaphthalene	91-58-7	2.500	U	2.500	U	2.560	U	2.630	U	10
2-Chlorophenol	95-57-8	2.500	U	2.500	U	2.560	U	2.630	U	1
2-Methylnaphthalene	91-57-6	23		52.800	D	16.600		10.800		~
2-Methylphenol	95-48-7	2.500	U	2.500	U	2.560	U	2.630	U	1
2-Nitroaniline	88-74-4	2.500	U	2.500	U	2.560	U	2.630	U	5
2-Nitrophenol	88-75-5	2.500	U	2.500	U	2.560	U	2.630	U	1
3- & 4-Methylphenols	65794-96-9	2.500	U	2.500	U	2.560	U	2.630	U	~
3,3-Dichlorobenzidine	91-94-1	2.500	U	2.500	U	2.560	U	2.630	U	5
3-Nitroaniline	99-09-2	2.500	U	2.500	U	2.560	U	2.630	U	5
4,6-Dinitro-2-methylphenol	534-52-1	2.500	U	2.500	U	2.560	U	2.630	U	~
4-Bromophenyl phenyl ether	101-55-3	2.500	U	2.500	U	2.560	U	2.630	U	~
4-Chloro-3-methylphenol	59-50-7	2.500	U	2.500	U	2.560	U	2.630	U	1
4-Chloroaniline	106-47-8	2.500	U	2.500	U	2.560	U	2.630	U	5
4-Chlorophenyl phenyl ether	7005-72-3	2.500	U	2.500	U	2.560	U	2.630	U	~
4-Nitroaniline	100-01-6	2.500	U	2.500	U	2.560	U	2.630	U	5
4-Nitrophenol	100-02-7	2.500	U	2.500	U	2.560	U	2.630	U	1
Acenaphthene	83-32-9	2.500	U	2.500	U	2.780	J	2.630	U	20
Acenaphthylene	208-96-8	2.500	U	2.500	U	0.513	J	2.630	U	~
Acetophenone	98-86-2	2.500	U	2.500	U	2.560	U	2.630	U	~
Aniline	62-53-3	2.500	U	2.500	U	2.560	U	2.630	U	5
Anthracene	120-12-7	2.500	U	2.500	U	1.710	J	2.630	U	50
Atrazine	1912-24-9	2.500	U	2.500	U	0.513	U	2.630	U	~
Benzaldehyde	100-52-7	2.500	U	2.500	U	2.560	U	2.630	U	~
Benzidine	92-87-5	10	U	10	U	10.300	U	10.500	U	~
Benzo(a)anthracene	56-55-3	2.500	U	2.500	U	3.250	J	2.630	U	0.002
Benzo(a)pyrene	50-32-8	2.500	U	2.500	U	4.390	J	2.630	U	0.002
Benzo(b)fluoranthene	205-99-2	2.500	U	2.500	U	4.230	J	2.630	U	0.002
Benzo(g,h,i)perylene	191-24-2	2.500	U	2.500	U	3.460	J	2.630	U	~
Benzo(k)fluoranthene	207-08-9	2.500	U	2.500	U	3.330	J	2.630	U	0.002
Benzoic acid	65-85-0	25	U	25	U	25.600	U	26.300	U	~
Benzyl alcohol	100-51-6	2.500	U	2.500	U	2.560	U	2.630	U	~
Benzyl butyl phthalate	85-68-7	2.500	U	2.500	U	2.560	U	2.630	U	50
Bis(2-chloroethoxy)methane	111-91-1	2.500	U	2.500	U	2.560	U	2.630	U	5

Table 3 (cont.)
Groundwater Sampling Results
100 E. 149th Street
Bronx, New York

Sample ID York ID Sampling Date Client Matrix		MW1 19C0297-01 3/7/2019 Water		MW2 19C0297-02 3/7/2019 Water		MW3 19C0296-01 3/7/2019 Water		MW4 19C0296-02 3/7/2019 Water		NYSDEC TOGS Standards and Guidance Values GA
Compound	CAS Number	Result	Q	Result	Q	Result	Q	Result	Q	
Bis(2-chloroethyl)ether	111-44-4	2.500	U	2.500	U	2.560	U	2.630	U	1
Bis(2-chloroisopropyl)ether	108-60-1	2.500	U	2.500	U	2.560	U	2.630	U	5
Bis(2-ethylhexyl)phthalate	117-81-7	2.500	U	2.500	U	0.513	J	2.630	U	5
Caprolactam	105-60-2	2.500	U	2.500	U	2.560	U	2.630	U	~
Carbazole	86-74-8	2.500	U	2.500	U	2.560	U	2.630	U	~
Chrysene	218-01-9	2.500	U	2.500	U	3.200	J	2.630	U	0.002
Dibenzo(a,h)anthracene	53-70-3	2.500	U	2.500	U	0.349	J	2.630	U	~
Dibenzofuran	132-64-9	2.500	U	2.500	U	2.560	U	2.630	U	~
Diethyl phthalate	84-66-2	2.500	U	2.500	U	2.560	U	2.630	U	50
Dimethyl phthalate	131-11-3	2.500	U	2.500	U	2.560	U	2.630	U	50
Di-n-butyl phthalate	84-74-2	2.500	U	2.500	U	2.560	U	2.630	U	50
Di-n-octyl phthalate	117-84-0	2.500	U	2.500	U	2.560	U	2.630	U	50
Fluoranthene	206-44-0	2.660	J	3.750	J	7.900		2.630	U	50
Fluorene	86-73-7	2.500	U	2.500	U	2.880	J	2.630	U	50
Hexachlorobenzene	118-74-1	2.500	U	2.500	U	0.0205	U	2.630	U	0.04
Hexachlorobutadiene	87-68-3	2.500	U	2.500	U	0.513	U	2.630	U	0.5
Hexachlorocyclopentadiene	77-47-4	2.500	U	2.500	U	2.560	U	2.630	U	5
Hexachloroethane	67-72-1	2.500	U	2.500	U	0.513	U	2.630	U	5
Indeno(1,2,3-cd)pyrene	193-39-5	2.500	U	2.500	U	3.440	J	2.630	U	0.002
Isophorone	78-59-1	2.500	U	2.500	U	2.560	U	2.630	U	50
Naphthalene	91-20-3	51.100	D	114	D	22.600		65.700	D	10
Nitrobenzene	98-95-3	2.500	U	2.500	U	0.256	U	2.630	U	0.4
N-Nitrosodimethylamine	62-75-9	2.500	U	2.500	U	0.513	U	2.630	U	~
N-nitroso-di-n-propylamine	621-64-7	2.500	U	2.500	U	2.560	U	2.630	U	~
N-Nitrosodiphenylamine	86-30-6	2.500	U	2.500	U	2.560	U	2.630	U	50
Pentachlorophenol	87-86-5	2.500	U	2.500	U	0.256	U	2.630	U	1
Phenanthrene	85-01-8	4.060	J	3.320	J	9.860		2.630	U	50
Phenol	108-95-2	2.500	U	2.500	U	2.560	U	2.630	U	1
Pyrene	129-00-0	3.060	J	3.730	J	7.200		2.630	U	50
Pesticides, 8081 target list		ug/L		ug/L		ug/L		ug/L		ug/L
Dilution Factor		1		1		1		1		
4,4'-DDD	72-54-8	0.00410	U	0.00410	U	0.00410	U	0.00410	U	0.3
4,4'-DDE	72-55-9	0.00410	U	0.00410	U	0.00410	U	0.00410	U	0.2
4,4'-DDT	50-29-3	0.00410	U	0.00410	U	0.00410	U	0.00410	U	0.2
Aldrin	309-00-2	0.00410	U	0.00410	U	0.00410	U	0.00410	U	~
alpha-BHC	319-84-6	0.00410	U	0.00410	U	0.00410	U	0.00410	U	0.01
alpha-Chlordane	5103-71-9	0.00410	U	0.00410	U	0.00410	U	0.00410	U	~
beta-BHC	319-85-7	0.00410	U	0.00410	U	0.00410	U	0.00410	U	0.04
Chlordane, total	57-74-9	0.0205	U	0.0205	U	0.0205	U	0.0205	U	0.05
delta-BHC	319-86-8	0.00410	U	0.00410	U	0.00410	U	0.00410	U	0.04

Table 3 (cont.)
Groundwater Sampling Results
100 E. 149th Street
Bronx, New York

Sample ID York ID Sampling Date Client Matrix		MW1 19C0297-01 3/7/2019 Water		MW2 19C0297-02 3/7/2019 Water		MW3 19C0296-01 3/7/2019 Water		MW4 19C0296-02 3/7/2019 Water		NYSDEC TOGS Standards and Guidance Values GA
Compound	CAS Number	Result	Q	Result	Q	Result	Q	Result	Q	
Dieldrin	60-57-1	0.00205	U	0.00205	U	0.00205	U	0.00205	U	0.004
Endosulfan I	959-98-8	0.00410	U	0.00410	U	0.00410	U	0.00410	U	~
Endosulfan II	33213-65-9	0.00410	U	0.00410	U	0.00410	U	0.00410	U	~
Endosulfan sulfate	1031-07-8	0.00410	U	0.00410	U	0.00410	U	0.00410	U	~
Endrin	72-20-8	0.00410	U	0.00410	U	0.00410	U	0.00410	U	~
Endrin aldehyde	7421-93-4	0.0103	U	0.0103	U	0.0103	U	0.0103	U	5
Endrin ketone	53494-70-5	0.0103	U	0.0103	U	0.0103	U	0.0103	U	5
gamma-BHC (Lindane)	58-89-9	0.00410	U	0.00410	U	0.00410	U	0.00410	U	0.05
gamma-Chlordane	5566-34-7	0.0103	U	0.0103	U	0.0103	U	0.0103	U	~
Heptachlor	76-44-8	0.00410	U	0.00410	U	0.00410	U	0.00410	U	0.04
Heptachlor epoxide	1024-57-3	0.00410	U	0.00410	U	0.00410	U	0.00410	U	0.03
Methoxychlor	72-43-5	0.00410	U	0.00410	U	0.00410	U	0.00410	U	35
Toxaphene	8001-35-2	0.103	U	0.103	U	0.103	U	0.103	U	0.06
Metals, Target Analyte		ug/L		ug/L		ug/L		ug/L		ug/L
Dilution Factor		10		10		1		1		
Aluminum	7429-90-5	33,600		54,100		7,610		2,600		~
Antimony	7440-36-0	28	U	28	U	28	U	28	U	3
Arsenic	7440-38-2	17	U	64		17	U	17	U	25
Barium	7440-39-3	934		1,260		274		59		1000
Beryllium	7440-41-7	3		3		0.600	U	0.600	U	3
Cadmium	7440-43-9	3	U	3	U	18		3	U	5
Calcium	7440-70-2	247,000		618,000		135,000		44,800		~
Chromium	7440-47-3	100		352		23		7		50
Cobalt	7440-48-4	36		56		7		4	U	~
Copper	7440-50-8	58		191		860		22	U	200
Iron	7439-89-6	117,000	D	173,000	D	19,000		4,130		~
Lead	7439-92-1	912		2,190		541		55		25
Magnesium	7439-95-4	34,400		59,600		15,800		9,040		35000
Manganese	7439-96-5	3,430		4,440		905		187		300
Nickel	7440-02-0	73		148		23		11	U	100
Potassium	7440-09-7	13,400		15,900		14,400		4,970		~
Selenium	7782-49-2	28	U	28	U	28	U	28	U	10
Silver	7440-22-4	6	U	6	U	6	U	6	U	50
Sodium	7440-23-5	49,700		37,400		53,300		47,500		20000
Thallium	7440-28-0	28	U	28	U	28	U	28	U	~
Vanadium	7440-62-2	188		233		27		11	U	~
Zinc	7440-66-6	1,840		4,120		4,510		38		2000
Mercury by 7473		ug/L		ug/L		ug/L		ug/L		ug/L
Dilution Factor		1		1		1		1		
Mercury	7439-97-6	0.200	U	0.200	U	0.200	U	0.200	U	0.7

Table 3 (cont.)
Groundwater Sampling Results
100 E. 149th Street
Bronx, New York

Sample ID York ID Sampling Date Client Matrix		MW1 19C0297-01 3/7/2019 Water		MW2 19C0297-02 3/7/2019 Water		MW3 19C0296-01 3/7/2019 Water		MW4 19C0296-02 3/7/2019 Water		NYSDEC TOGS Standards and Guidance Values GA
Compound	CAS Number	Result	Q	Result	Q	Result	Q	Result	Q	
Polychlorinated Biphenyls (PCB)		ug/L		ug/L		ug/L		ug/L		ug/L
Dilution Factor		1		1		1		1		
Aroclor 1016	12674-11-2	0.0513	U	0.0513	U	0.0513	U	0.0513	U	~
Aroclor 1221	11104-28-2	0.0513	U	0.0513	U	0.0513	U	0.0513	U	~
Aroclor 1232	11141-16-5	0.0513	U	0.0513	U	0.0513	U	0.0513	U	~
Aroclor 1242	53469-21-9	0.0513	U	0.0513	U	0.0513	U	0.0513	U	~
Aroclor 1248	12672-29-6	0.0513	U	0.0513	U	0.0513	U	0.0513	U	~
Aroclor 1254	11097-69-1	0.0513	U	0.0513	U	0.0513	U	0.0513	U	~
Aroclor 1260	11096-82-5	0.0513	U	0.0513	U	0.0513	U	0.0513	U	~
Total PCBs	1336-36-3	0.0513	U	0.0513	U	0.0513	U	0.0513	U	0.09

NOTES:

Any Regulatory Exceedences are color coded by Regulation

Q is the Qualifier Column with definitions as follows:

D=result is from an analysis that required a dilution

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

U=analyte not detected at or above the level indicated

B=analyte found in the analysis batch blank

E=result is estimated and cannot be accurately reported due to levels encountered or interferences

NT=this indicates the analyte was not a target for this sample

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

Table 4
Soil Vapor Sampling Results
100 E. 149th Street
Bronx, New York

Sample ID York ID Sampling Date Client Matrix		VP-1 19C0284-01 3/7/2019 Soil Vapor		VP-2 19C0284-02 3/7/2019 Soil Vapor		VP-3 19C0284-03 3/7/2019 Soil Vapor		VP-4 19C0284-04 3/7/2019 Soil Vapor	
Compound	CAS Number	Result	Q	Result	Q	Result	Q	Result	Q
Volatile Organics, EPA TO15 Full List		ug/m3		ug/m3		ug/m3		ug/m3	
Dilution Factor		13.4		13.4		13.58		13.67	
1,1,1,2-Tetrachloroethane	630-20-6	9.200	U	9.200	U	9.300	U	9.400	U
1,1,1-Trichloroethane	71-55-6	7.300	U	7.300	U	7.400	U	7.500	U
1,1,2,2-Tetrachloroethane	79-34-5	9.200	U	9.200	U	9.300	U	9.400	U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	76-13-1	10	U	10	U	10	U	10	U
1,1,2-Trichloroethane	79-00-5	7.300	U	7.300	U	7.400	U	7.500	U
1,1-Dichloroethane	75-34-3	5.400	U	5.400	U	5.500	U	5.500	U
1,1-Dichloroethylene	75-35-4	1.300	U	1.300	U	1.300	U	1.400	U
1,2,4-Trichlorobenzene	120-82-1	9.900	U	9.900	U	10	U	10	U
1,2,4-Trimethylbenzene	95-63-6	6.600	U	6.600	U	6.700	U	6.700	U
1,2-Dibromoethane	106-93-4	10	U	10	U	10	U	11	U
1,2-Dichlorobenzene	95-50-1	8.100	U	8.100	U	8.200	U	8.200	U
1,2-Dichloroethane	107-06-2	5.400	U	5.400	U	5.500	U	5.500	U
1,2-Dichloropropane	78-87-5	6.200	U	6.200	U	6.300	U	6.300	U
1,2-Dichlorotetrafluoroethane	76-14-2	9.400	U	9.400	U	9.500	U	9.600	U
1,3,5-Trimethylbenzene	108-67-8	6.600	U	6.600	U	6.700	U	6.700	U
1,3-Butadiene	106-99-0	8.900	U	8.900	U	9	U	12	U
1,3-Dichlorobenzene	541-73-1	8.100	U	8.100	U	8.200	U	8.200	D
1,3-Dichloropropane	142-28-9	6.200	U	6.200	U	6.300	U	6.300	U
1,4-Dichlorobenzene	106-46-7	8.100	U	8.100	U	8.200	U	8.200	U
1,4-Dioxane	123-91-1	9.700	U	9.700	U	9.800	U	9.900	U
2-Butanone	78-93-3	28	D	11	D	19	D	31	U
2-Hexanone	591-78-6	11	U	11	U	11	U	11	D
3-Chloropropene	107-05-1	21	U	21	U	21	U	21	U
4-Methyl-2-pentanone	108-10-1	5.500	U	5.500	U	5.600	U	5.600	U
Acetone	67-64-1	150	BD	98	BD	120	BD	130	U
Acrolein	107-02-8	3.100	U	3.100	U	3.100	U	3.100	BD
Acrylonitrile	107-13-1	2.900	U	2.900	U	2.900	U	3	U
Benzene	71-43-2	4.300	U	4.300	U	4.300	U	24	U
Benzyl chloride	100-44-7	6.900	U	6.900	U	7	U	7.100	D
Bromodichloromethane	75-27-4	14	D	60	D	9.100	U	9.200	U

Table 4 (cont.)
Soil Vapor Sampling Results
100 E. 149th Street
Bronx, New York

Sample ID York ID Sampling Date Client Matrix		VP-1 19C0284-01 3/7/2019 Soil Vapor		VP-2 19C0284-02 3/7/2019 Soil Vapor		VP-3 19C0284-03 3/7/2019 Soil Vapor		VP-4 19C0284-04 3/7/2019 Soil Vapor	
Compound	CAS Number	Result	Q	Result	Q	Result	Q	Result	Q
Volatile Organics, EPA TO15 Full List		ug/m3		ug/m3		ug/m3		ug/m3	
Dilution Factor		13.4		13.4		13.58		13.67	
Bromoform	75-25-2	14	U	14	U	14	U	14	U
Bromomethane	74-83-9	5.200	U	5.200	U	5.300	U	5.300	U
Carbon disulfide	75-15-0	4.200	U	4.200	U	6.300	D	4.300	U
Carbon tetrachloride	56-23-5	2.100	U	2.100	U	2.100	U	2.200	U
Chlorobenzene	108-90-7	6.200	U	6.200	U	6.300	U	6.300	U
Chloroethane	75-00-3	3.500	U	3.500	U	3.600	U	3.600	U
Chloroform	67-66-3	130	D	370	D	17	D	13	U
Chloromethane	74-87-3	2.800	U	2.800	U	2.800	U	5.600	D
cis-1,2-Dichloroethylene	156-59-2	1.300	U	1.300	U	1.300	U	1.400	D
cis-1,3-Dichloropropylene	10061-01-5	6.100	U	6.100	U	6.200	U	6.200	U
Cyclohexane	110-82-7	4.600	U	150	D	4.700	U	32	U
Dibromochloromethane	124-48-1	11	U	11	U	12	U	12	D
Dichlorodifluoromethane	75-71-8	6.600	U	6.600	U	6.700	U	6.800	U
Ethanol	64-17-5	2.500	U	2.500	U	2.600	U	2.600	U
Ethyl acetate	141-78-6	9.700	U	9.700	U	9.800	U	9.900	U
Ethyl Benzene	100-41-4	5.800	U	12	D	5.900	U	7.700	D
Hexachlorobutadiene	87-68-3	14	U	14	U	14	U	15	U
Isopropanol	67-63-0	6.600	U	6.600	U	6.700	U	6.700	U
Isopropylbenzene	98-82-8	6.600	U	12	D	6.700	U	6.700	U
Methyl Methacrylate	80-62-6	5.500	U	5.500	U	5.600	U	5.600	U
Methyl tert-butyl ether (MTBE)	1634-04-4	4.800	U	4.800	U	4.900	U	4.900	U
Methylene chloride	75-09-2	9.300	U	9.300	U	9.400	U	9.500	U
Naphthalene	91-20-3	14	U	14	U	14	U	14	U
n-Butylbenzene	104-51-8	7.400	U	7.400	U	7.500	U	7.500	U
n-Heptane	142-82-5	6	D	5.500	U	5.600	U	170	D
n-Hexane	110-54-3	4.700	U	66	D	7.200	D	130	D
n-Propylbenzene	103-65-1	6.600	U	7.200	D	6.700	U	6.700	U
o-Xylene	95-47-6	5.800	U	5.800	U	5.900	U	14	D
p- & m- Xylenes	179601-23-1	12	U	12	U	12	U	31	D
p-Ethyltoluene	622-96-8	6.600	U	6.600	U	6.700	U	6.700	U
p-Isopropyltoluene	99-87-6	7.400	U	7.400	U	7.500	U	7.500	U
Propylene	115-07-1	2.300	U	2.300	U	2.300	U	2.400	U

Table 4 (cont.)
Soil Vapor Sampling Results
100 E. 149th Street
Bronx, New York

Sample ID York ID Sampling Date Client Matrix		VP-1 19C0284-01 3/7/2019 Soil Vapor		VP-2 19C0284-02 3/7/2019 Soil Vapor		VP-3 19C0284-03 3/7/2019 Soil Vapor		VP-4 19C0284-04 3/7/2019 Soil Vapor	
Compound	CAS Number	Result	Q	Result	Q	Result	Q	Result	Q
Volatile Organics, EPA TO15 Full List		ug/m3		ug/m3		ug/m3		ug/m3	
Dilution Factor		13.4		13.4		13.58		13.67	
sec-Butylbenzene	135-98-8	7.400	U	7.400	U	7.500	U	7.500	U
Styrene	100-42-5	5.700	U	5.700	U	5.800	U	5.800	U
Tentatively Identified Compounds		0	U	0	U	0	U	0	U
tert-Butylbenzene	98-06-6	7.400	U	7.400	U	7.500	U	7.500	U
Tetrachloroethylene	127-18-4	2.300	U	2.300	U	2.300	U	2.300	U
Tetrahydrofuran	109-99-9	7.900	U	7.900	U	8	U	8.100	U
Toluene	108-88-3	11	BD	5	U	7.200	BD	29	BD
trans-1,2-Dichloroethylene	156-60-5	5.300	U	5.300	U	5.400	U	5.400	U
trans-1,3-Dichloropropylene	10061-02-6	6.100	U	6.100	U	6.200	U	6.200	U
Trichloroethylene	79-01-6	1.800	U	1.800	U	1.800	U	1.800	U
Trichlorofluoromethane (Freon 11)	75-69-4	7.500	U	7.500	U	7.600	U	7.700	U
Vinyl acetate	108-05-4	4.700	U	4.700	U	4.800	U	4.800	U
Vinyl bromide	593-60-2	5.900	U	5.900	U	5.900	U	6	U
Vinyl Chloride	75-01-4	0.860	U	0.860	U	0.870	U	0.870	U

NOTES:

Q is the Qualifier Column with definitions as follows:

D=result is from an analysis that required a dilution

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

U=analyte not detected at or above the level indicated

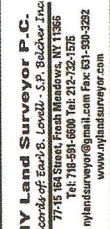
B=analyte found in the analysis batch blank

E=result is estimated and cannot be accurately reported due to levels encountered or interferences

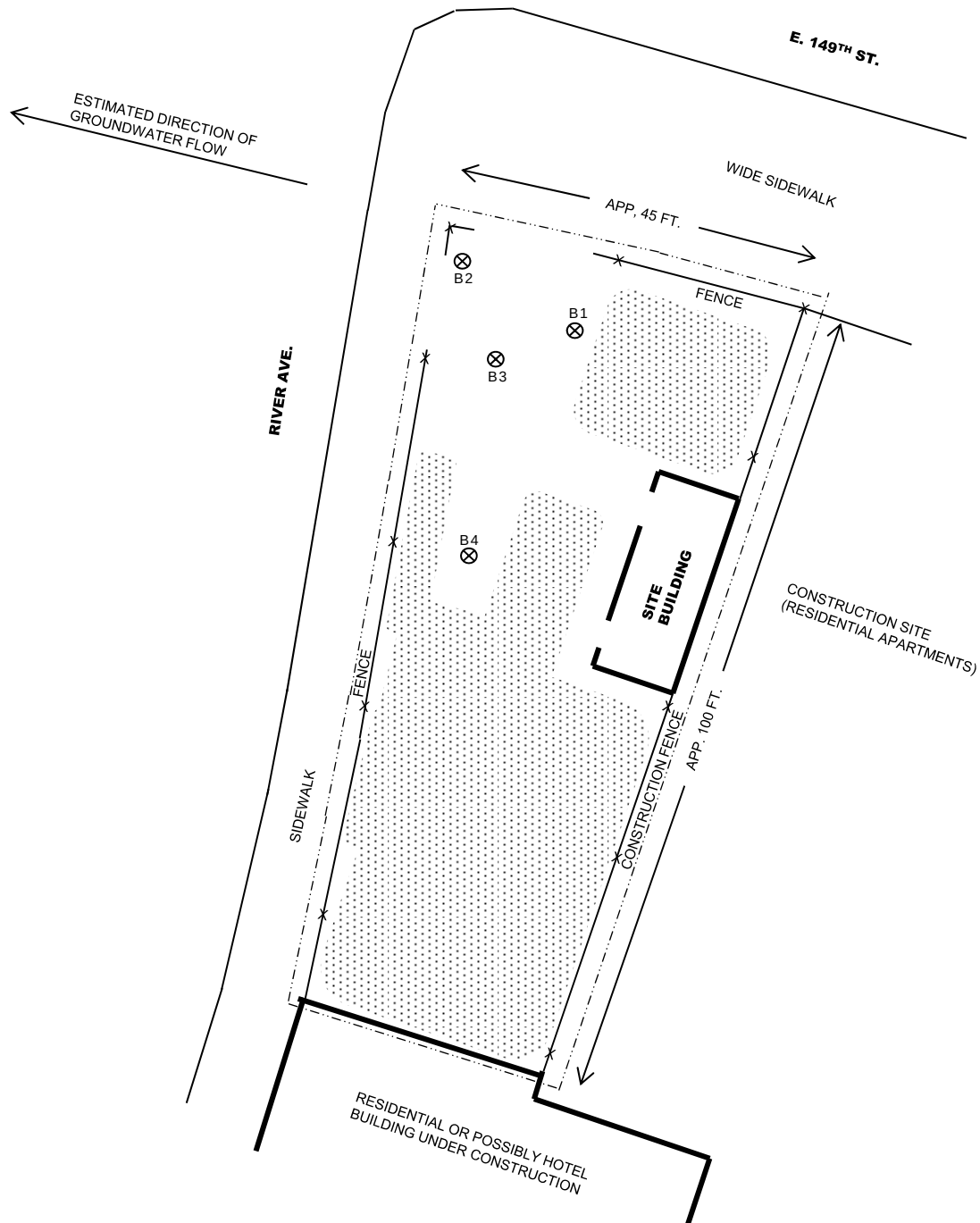
P=this flag is used for pesticide and PCB (Aroclor) target compounds when there is a % difference for detected concentrations that exceed method dictated limits between the two GC columns used for analysis

NT=this indicates the analyte was not a target for this sample

Appendix A



Appendix B



NOTES:

SHADED ZONES DENOTE AREAS WHERE THE SITE WAS INACCESSIBLE FOR DRILLING.

ACCESS TO CONDUCT THE GPR SURVEY WAS LIMITED BUT WAS ADEQUATE TO DETERMINE THAT NO EVIDENCE OF ABANDONED USTs EXIST.

SHALLOW REFUSAL OCCURRED AT B1 THROUGH B3 ON WHAT APPEARS TO BE CONCRETE THAT WAS PRESUMABLY THE BASE OF A FORMER UST AREA. THE WATER TABLE WAS NOT INTERSECTED IN THESE BORINGS. B4 APPEARS TO HAVE BEEN INSTALLED BEYOND THIS SUBSURFACE CONCRETE PAD AND GROUNDWATER WAS ENCOUNTERED.

**SITE SKETCH: 100 EAST 149TH ST.
NOT TO SCALE BRONX, NY**

⊗ DENOTES SOIL BORING LOCATIONS
PATTERNED LINES ENCLOSE THE SITE



Hampton-Clarke Report Of Analysis

Client: GFE LLC

HC Project #: 7042709

Project: 100 E. 149th St

Sample ID: B1 11'

Lab#: AC97546-001

Matrix: Soil

Collection Date: 4/26/2017

Receipt Date: 4/27/2017

% Solids SM2540G

Analyte	DF	Units	RL	Result
%Solids	1	percent		73

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.982	mg/kg	0.0027	ND
1,1-Dichloroethane	0.982	mg/kg	0.0027	ND
1,1-Dichloroethene	0.982	mg/kg	0.0027	ND
1,2,4-Trimethylbenzene	0.982	mg/kg	0.0013	ND
1,2-Dichlorobenzene	0.982	mg/kg	0.0027	ND
1,2-Dichloroethane	0.982	mg/kg	0.0027	ND
1,3,5-Trimethylbenzene	0.982	mg/kg	0.0013	ND
1,3-Dichlorobenzene	0.982	mg/kg	0.0027	ND
1,4-Dichlorobenzene	0.982	mg/kg	0.0027	ND
1,4-Dioxane	0.982	mg/kg	0.13	ND
2-Butanone	0.982	mg/kg	0.0027	ND
4-Isopropyltoluene	0.982	mg/kg	0.0013	ND
Acetone	0.982	mg/kg	0.013	ND
Benzene	0.982	mg/kg	0.0013	ND
Carbon tetrachloride	0.982	mg/kg	0.0027	ND
Chlorobenzene	0.982	mg/kg	0.0027	ND
Chloroform	0.982	mg/kg	0.0027	ND
cis-1,2-Dichloroethene	0.982	mg/kg	0.0027	ND
Ethylbenzene	0.982	mg/kg	0.0013	ND
Isopropylbenzene	0.982	mg/kg	0.0013	ND
m&p-Xylenes	0.982	mg/kg	0.0013	ND
Methylene chloride	0.982	mg/kg	0.0027	ND
Methyl-t-butyl ether	0.982	mg/kg	0.0013	ND
Naphthalene	0.982	mg/kg	0.0013	ND
n-Butylbenzene	0.982	mg/kg	0.0013	ND
n-Propylbenzene	0.982	mg/kg	0.0013	ND
o-Xylene	0.982	mg/kg	0.0013	ND
sec-Butylbenzene	0.982	mg/kg	0.0013	ND
t-Butylbenzene	0.982	mg/kg	0.0013	ND
Tetrachloroethene	0.982	mg/kg	0.0027	ND
Toluene	0.982	mg/kg	0.0013	ND
trans-1,2-Dichloroethene	0.982	mg/kg	0.0027	ND
Trichloroethene	0.982	mg/kg	0.0027	ND
Vinyl chloride	0.982	mg/kg	0.0027	ND
Xylenes (Total)	0.982	mg/kg	0.0013	ND

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
Toluene-d8	25.46	30	68	122	85	
Dibromofluoromethane	34.93	30	63	140	116	
Bromofluorobenzene	32.17	30	64	129	107	
1,2-Dichloroethane-d4	33.54	30	63	143	112	

Sample ID: B2 7'
 Lab#: AC97546-002
 Matrix: Soil

Collection Date: 4/26/2017
 Receipt Date: 4/27/2017

% Solids SM2540G

Analyte	DF	Units	RL	Result
%Solids	1	percent		83

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result		
1,1,1-Trichloroethane	0.99	mg/kg	0.0024	ND		
1,1-Dichloroethane	0.99	mg/kg	0.0024	ND		
1,1-Dichloroethene	0.99	mg/kg	0.0024	ND		
1,2,4-Trimethylbenzene	0.99	mg/kg	0.0012	0.0062		
1,2-Dichlorobenzene	0.99	mg/kg	0.0024	ND		
1,2-Dichloroethane	0.99	mg/kg	0.0024	ND		
1,3,5-Trimethylbenzene	0.99	mg/kg	0.0012	0.0031		
1,3-Dichlorobenzene	0.99	mg/kg	0.0024	ND		
1,4-Dichlorobenzene	0.99	mg/kg	0.0024	ND		
1,4-Dioxane	0.99	mg/kg	0.12	ND		
2-Butanone	0.99	mg/kg	0.0024	ND		
4-Isopropyltoluene	0.99	mg/kg	0.0012	ND		
Acetone	0.99	mg/kg	0.012	ND		
Benzene	0.99	mg/kg	0.0012	ND		
Carbon tetrachloride	0.99	mg/kg	0.0024	ND		
Chlorobenzene	0.99	mg/kg	0.0024	ND		
Chloroform	0.99	mg/kg	0.0024	ND		
cis-1,2-Dichloroethene	0.99	mg/kg	0.0024	ND		
Ethylbenzene	0.99	mg/kg	0.0012	ND		
Isopropylbenzene	0.99	mg/kg	0.0012	ND		
m&p-Xylenes	0.99	mg/kg	0.0012	ND		
Methylene chloride	0.99	mg/kg	0.0024	ND		
Methyl-t-butyl ether	0.99	mg/kg	0.0012	ND		
Naphthalene	0.99	mg/kg	0.0012	0.0045		
n-Butylbenzene	0.99	mg/kg	0.0012	ND		
n-Propylbenzene	0.99	mg/kg	0.0012	ND		
o-Xylene	0.99	mg/kg	0.0012	ND		
sec-Butylbenzene	0.99	mg/kg	0.0012	ND		
t-Butylbenzene	0.99	mg/kg	0.0012	ND		
Tetrachloroethene	0.99	mg/kg	0.0024	ND		
Toluene	0.99	mg/kg	0.0012	ND		
trans-1,2-Dichloroethene	0.99	mg/kg	0.0024	ND		
Trichloroethene	0.99	mg/kg	0.0024	ND		
Vinyl chloride	0.99	mg/kg	0.0024	ND		
Xylenes (Total)	0.99	mg/kg	0.0012	ND		
Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
Toluene-d8	32.97	30	68	122	110	
Dibromofluoromethane	31.30	30	63	140	104	
Bromofluorobenzene	30.41	30	64	129	101	
1,2-Dichloroethane-d4	30.24	30	63	143	101	

Sample ID: B4 12'
 Lab#: AC97546-003
 Matrix: Soil

Collection Date: 4/26/2017
 Receipt Date: 4/27/2017

% Solids SM2540G

Analyte	DF	Units	RL	Result
%Solids	1	percent		85

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result		
1,1,1-Trichloroethane	0.994	mg/kg	0.0023	ND		
1,1-Dichloroethane	0.994	mg/kg	0.0023	ND		
1,1-Dichloroethene	0.994	mg/kg	0.0023	ND		
1,2,4-Trimethylbenzene	0.994	mg/kg	0.0012	0.0046		
1,2-Dichlorobenzene	0.994	mg/kg	0.0023	ND		
1,2-Dichloroethane	0.994	mg/kg	0.0023	ND		
1,3,5-Trimethylbenzene	0.994	mg/kg	0.0012	0.0038		
1,3-Dichlorobenzene	0.994	mg/kg	0.0023	ND		
1,4-Dichlorobenzene	0.994	mg/kg	0.0023	ND		
1,4-Dioxane	0.994	mg/kg	0.12	ND		
2-Butanone	0.994	mg/kg	0.0023	ND		
4-Isopropyltoluene	0.994	mg/kg	0.0012	ND		
Acetone	0.994	mg/kg	0.012	ND		
Benzene	0.994	mg/kg	0.0012	ND		
Carbon tetrachloride	0.994	mg/kg	0.0023	ND		
Chlorobenzene	0.994	mg/kg	0.0023	ND		
Chloroform	0.994	mg/kg	0.0023	ND		
cis-1,2-Dichloroethene	0.994	mg/kg	0.0023	ND		
Ethylbenzene	0.994	mg/kg	0.0012	ND		
Isopropylbenzene	0.994	mg/kg	0.0012	ND		
m&p-Xylenes	0.994	mg/kg	0.0012	ND		
Methylene chloride	0.994	mg/kg	0.0023	ND		
Methyl-t-butyl ether	0.994	mg/kg	0.0012	ND		
Naphthalene	0.994	mg/kg	0.0012	0.0035		
n-Butylbenzene	0.994	mg/kg	0.0012	ND		
n-Propylbenzene	0.994	mg/kg	0.0012	ND		
o-Xylene	0.994	mg/kg	0.0012	ND		
sec-Butylbenzene	0.994	mg/kg	0.0012	ND		
t-Butylbenzene	0.994	mg/kg	0.0012	ND		
Tetrachloroethene	0.994	mg/kg	0.0023	ND		
Toluene	0.994	mg/kg	0.0012	ND		
trans-1,2-Dichloroethene	0.994	mg/kg	0.0023	ND		
Trichloroethene	0.994	mg/kg	0.0023	ND		
Vinyl chloride	0.994	mg/kg	0.0023	ND		
Xylenes (Total)	0.994	mg/kg	0.0012	ND		
Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
Toluene-d8	25.94	30	68	122	86	
Dibromofluoromethane	35.44	30	63	140	118	
Bromofluorobenzene	30.40	30	64	129	101	
1,2-Dichloroethane-d4	35.67	30	63	143	119	

Sample ID: B4 GW
 Lab#: AC97546-004
 Matrix: Aqueous

Collection Date: 4/26/2017
 Receipt Date: 4/27/2017

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result		
1,1,1-Trichloroethane	10	ug/l	10	ND		
1,1-Dichloroethane	10	ug/l	10	ND		
1,1-Dichloroethene	10	ug/l	10	ND		
1,2,4-Trimethylbenzene	10	ug/l	10	1100		
1,2-Dichlorobenzene	10	ug/l	10	ND		
1,2-Dichloroethane	10	ug/l	5.0	ND		
1,3,5-Trimethylbenzene	10	ug/l	10	380		
1,3-Dichlorobenzene	10	ug/l	10	ND		
1,4-Dichlorobenzene	10	ug/l	10	ND		
1,4-Dioxane	10	ug/l	2500	ND		
2-Butanone	10	ug/l	10	ND		
4-Isopropyltoluene	10	ug/l	10	30		
Acetone	10	ug/l	50	ND		
Benzene	10	ug/l	5.0	2000		
Carbon tetrachloride	10	ug/l	10	ND		
Chlorobenzene	10	ug/l	10	ND		
Chloroform	10	ug/l	10	ND		
cis-1,2-Dichloroethene	10	ug/l	10	ND		
Ethylbenzene	10	ug/l	10	980		
Isopropylbenzene	10	ug/l	10	100		
m&p-Xylenes	10	ug/l	10	1600		
Methylene chloride	10	ug/l	10	ND		
Methyl-t-butyl ether	10	ug/l	5.0	ND		
Naphthalene	10	ug/l	10	240		
n-Butylbenzene	10	ug/l	10	30		
n-Propylbenzene	10	ug/l	10	240		
o-Xylene	10	ug/l	10	61		
sec-Butylbenzene	10	ug/l	10	19		
t-Butylbenzene	10	ug/l	10	ND		
Tetrachloroethene	10	ug/l	10	ND		
Toluene	10	ug/l	10	180		
trans-1,2-Dichloroethene	10	ug/l	10	ND		
Trichloroethene	10	ug/l	10	ND		
Vinyl chloride	10	ug/l	10	ND		
Xylenes (Total)	10	ug/l	10	1700		
Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
Toluene-d8	27.02	30	79	111	90	
Dibromofluoromethane	33.70	30	73	131	112	
Bromofluorobenzene	31.81	30	82	112	106	
1,2-Dichloroethane-d4	31.79	30	78	128	106	

Hampton-Clarke, Inc. (WBE/DBE/SBE)
175 Route 46 West and 2 Madison Road, Fairfield, New Jersey 07004
Ph: 800-426-9992 | 973-244-9770 Fax: 973-244-9787 | 973-439-1438
Service Center: 137-D Galtier Drive, Mount Laurel, New Jersey 08054
Ph (Service Center): 856-780-6057 Fax: 856-780-6056
NELAC/NJ #07071 | PA #88-00463 | NY #1408 | CT #PH-0671 | KY #90124 | DE HSCA Approved

HC
Hampton-Clarke
A Women-Owned, Disadvantaged, Small Business Enterprise
CHAIN OF CUSTODY
RECORD

Project # (Lab Use Only) **7042369** Page **1** of **1**
3) Reporting Requirements (Please Circle)

Customer Information
1a) Customer: **SEBOKOMUS INC**
Address: **155 H 404TH AVE NJ 07034**
1b) Email/Ceill/Fax/Ph: **frank@sebokomus.com**
1c) Send Invoice to: **frank@sebokomus.com**
1d) Send Report to: **frank@sebokomus.com**

Project Information
2a) Project: **100 E. 149th St.**
2b) Project Mgr: **FRANK**
2c) Project Location (City/State): **CHASSON**
2d) Quote/PO # (if Applicable):

When Available:
1 Business Day (100%)*
2 Business Days (75%)*
3 Business Days (50%)*
4 Business Days (35%)*
6 Business Days (25%)*
10 Business Days (Stand.)
Other: **Category A Electronic (PDF)**
* Expedited TAT Not Always Available. Please Check with Lab.

FOR LAB USE ONLY		Matrix Codes		Sample Type		7) Analysis (specify methods & parameter lists)		8) # of Bottles		9) Comments	
Batch #		DW - Drinking Water GW - Ground Water WW - Waste Water OT - Other (please specify under Item 9, Comments)		S - Soil SL - Sludge OL - Oil		A - Air		None MeOH En Core NaOH HCl H2SO4 HNO3 Other:			
Lab Sample #		4) Customer Sample ID		5) Matrix		6) Date		Time			
-001		13111		SOL111		12/17/19		10:30		1	
-002		1327		SOL111		12/17/19		11:15		1	
-003		134121		SOL111		12/17/19		11:20		1	
-004		134121		SOL111		12/17/19		11:20		2	

10) Relinquished by: **Frank** Accepted by: **Frank** Date: **12/17/19** Time: **12:57**
Indicate if low-level methods required to meet current groundwater standards (SPLP for soil):
BN or BNA (8270D SIM) ☐ VOC (8260C SIM or 8011) ☐ SPLP (BN, BNA, Metals) ☐
Check if applicable:
Project-Specific Reporting Limits
High Contaminant Concentrations ☐ NJ LSRP Project (also check boxes above/right) ☐
11) Sampler (print name): **FRANK** Date: **12/17/19**
Please note NUMBERED items. If not completed your analytical work may be delayed.
A fee of \$5/sample will be assessed for storage should sample not be activated for any analysis.

Additional Notes
Cooler Temperature **5.9A**

Appendix C

Via e-mail: tony@nylink.com

January 11, 2019

Tony Boemi
5 East 22nd Street
New York, NY 10010
917-299-9223

RE: Phase II Subsurface Investigation
100 East 149th Street
Bronx NY 10451

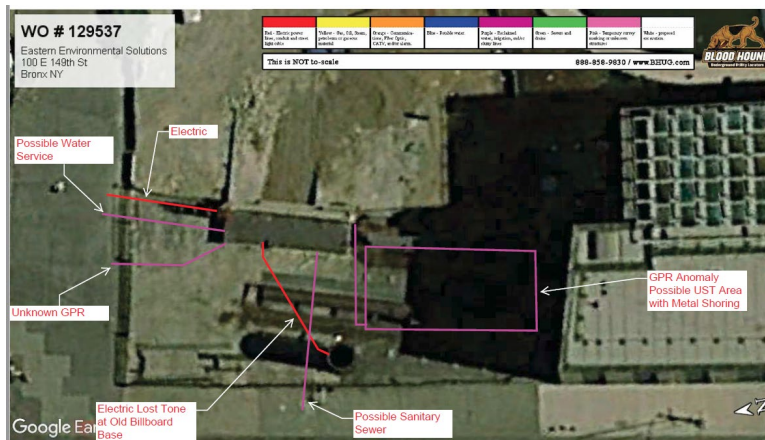
Dear Mr. Boemi:

Pursuant to your request, Eastern Environmental Solutions, Inc. (Eastern) conducted a subsurface investigation at the above referenced location. The investigation included the completion of a GPR survey of the property to locate anomalies (tanks, voids, pipes....) and to complete soil borings on the property to delineate the impacted soil and to further define the GPR findings.

GPR Survey Findings

A GPR system consists of a radar control unit, control cable and a transducer (antenna). The control unit transmits a trigger pulse at a normal repetition rate of 250 KHz to 1.000 KHz. The trigger pulse is sent to the transmitter electronics in the transducer via the control cable. The transmitter electronics amplify the trigger pulses 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.

On Thursday December 27, 2018 the GPR survey was conducted to encompass the entire property (excluding the building footprint and the sidewalk). The findings of the GPR survey revealed one anomaly indicative of underground storage tanks or former underground storage tank area. The GPR picked up the old pipes associated with former active tank vault area.



View of the anomaly (former USTs location).

The remaining anomalies were identified as utilities as part of the private mark out.

On January 3, 2018, Eastern conducted a site visit to collect soil samples and to document subsurface conditions and determine whether the subject site has been adversely impacted by its historical use.

"Innovative Solutions for Today's Environmental Concerns"

Investigation

Remediation

Restoration

Soil borings were advanced utilizing a Geoprobe® unit with a macrocore sampler set up. Eastern installed fifteen (15) Soil Borings throughout the property. The majority of the Soil Borings were advanced continuously from grade to 15 feet below grade surface. The soil samples were field checked by scanning the soils for total volatile organic compounds utilizing a photoionization detector (PID) and were scanned via olfactory and visual means. There was evidence of petroleum impacted soils identified by visual, olfactory or PID field scanning means at all the sample locations, the highest readings were at the 10' -15' foot sample interval (the 5'-10' sample interval had high PID readings as well). Groundwater was encountered at approximately 15 feet below grade surface. Soil sampling locations are depicted in **Figure 1**.

The soil samples that were submitted for lab analysis were from: SB-1, SB-5, SB-8 and SB-11. The samples that were submitted all had heavy petroleum odor from approximately 10'-15' below grade. The samples were submitted to a New York State licensed laboratory for VOCs, SVOCs and Metals

Laboratory data for the soil samples SB-1, SB-5, SB-8 and SB-11 was reviewed and compared to New York State Department of Environmental Conservation (NYSDEC) 6 NYCRR Part 375 Protection of Groundwater and residential Soil Cleanup Objectives. All four soil samples had levels of above the Conservation (NYSDEC) 6 NYCRR Part 375 Protection of Groundwater and residential Soil Cleanup Objectives. Analytical results are summarized in **Table 1**, a complete copy of the analytical results are in **Appendix A**.

Conclusions

Soil samples were collected in the areas of recognized environmental conditions identified during the GPR survey conducted in December 27, 2018.

Laboratory analyses were reviewed and compared to regulatory guidelines. Soil samples obtained at SB-1, SB-5, SB-8 and SB-11 exhibit concentrations of above NYSDEC 6 NYCRR Part 375 Protection of Groundwater and residential Soil Cleanup Objectives.

Eastern Environmental recommends that a work plan be put together, that will address the removal of the impacted soils. The groundwater beneath the site can be addressed during the soil removal with the excavation open and the groundwater exposed. Allowing for aggressive removal of the impacted groundwater. A monitoring well network can be installed after the impacted soils are removed.

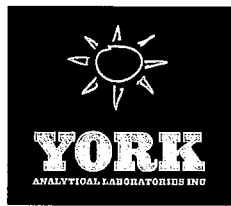
If you should have any questions or concerns regarding this letter, please do not hesitate to contact me at (631) 727-2700.

Sincerely,

The logo for Eastern Environmental Solutions, Inc. features a stylized green and blue double arrow pointing right, followed by the word "Eastern" in a bold, green, sans-serif font, and "ENVIRONMENTAL SOLUTIONS, INC." in a smaller, blue, sans-serif font below it.

James R. Mulvey
Vice President

Appendix D



Technical Report

prepared for:

Eastern Environmental Solutions
258 Line Road
Manorville NY, 11949
Attention: Jim Mulvey

Report Date: 01/11/2019
Client Project ID: 100 East 149th St Bronx NY
York Project (SDG) No.: 19A0197

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

120 RESEARCH DRIVE
www.YORKLAB.com

STRATFORD, CT 06615
(203) 325-1371

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

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 01/11/2019
Client Project ID: 100 East 149th St Bronx NY
York Project (SDG) No.: 19A0197

Eastern Environmental Solutions

258 Line Road
Manorville NY, 11949
Attention: Jim Mulvey

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 January 07, 2019 and listed below. The project was identified as your project: **100 East 149th St Bronx NY**.

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>
19A0197-01	SB-1 (10'-15')	Soil	01/04/2019	01/07/2019
19A0197-02	SB-5 (10'-15')	Soil	01/04/2019	01/07/2019
19A0197-03	SB-8 (10'-15')	Soil	01/04/2019	01/07/2019
19A0197-04	SB-11 (10'-15')	Soil	01/04/2019	01/07/2019

General Notes for York Project (SDG) No.: 19A0197

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

Approved By:



Benjamin Gulizia
Laboratory Director

Date: 01/11/2019





Sample Information

Client Sample ID: SB-1 (10-15')

York Sample ID: 19A0197-01

York Project (SDG) No.

19A0197

Client Project ID

100 East 149th St Bronx NY

Matrix

Soil

Collection Date/Time

January 4, 2019 12:00 am

Date Received

01/07/2019

Volatile Organics, CP-51 (formerly STARS) List

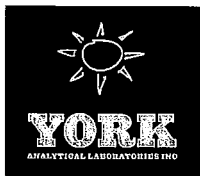
Log-in Notes:

VOA-CON
T

Sample Notes: VOA-CONT

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
95-63-6	1,2,4-Trimethylbenzene	40		ug/kg dry	2.9	5.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	01/10/2019 10:32	01/10/2019 16:01	SS
108-67-8	1,3,5-Trimethylbenzene	16		ug/kg dry	2.9	5.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	01/10/2019 10:32	01/10/2019 16:01	SS
71-43-2	Benzene	ND		ug/kg dry	2.9	5.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	01/10/2019 10:32	01/10/2019 16:01	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.9	5.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	01/10/2019 10:32	01/10/2019 16:01	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.9	5.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	01/10/2019 10:32	01/10/2019 16:01	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.9	5.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	01/10/2019 10:32	01/10/2019 16:01	SS
91-20-3	Naphthalene	ND		ug/kg dry	2.9	12	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	01/10/2019 10:32	01/10/2019 16:01	SS
104-51-8	n-Butylbenzene	5.1	CCV-E , J	ug/kg dry	2.9	5.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	01/10/2019 10:32	01/10/2019 16:01	SS
103-65-1	n-Propylbenzene	4.5	J	ug/kg dry	2.9	5.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	01/10/2019 10:32	01/10/2019 16:01	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.9	5.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	01/10/2019 10:32	01/10/2019 16:01	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.8	12	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	01/10/2019 10:32	01/10/2019 16:01	SS
99-87-6	p-Isopropyltoluene	4.7	J	ug/kg dry	2.9	5.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	01/10/2019 10:32	01/10/2019 16:01	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.9	5.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	01/10/2019 10:32	01/10/2019 16:01	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.9	5.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	01/10/2019 10:32	01/10/2019 16:01	SS
108-88-3	Toluene	ND		ug/kg dry	2.9	5.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	01/10/2019 10:32	01/10/2019 16:01	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	8.6	17	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	01/10/2019 10:32	01/10/2019 16:01	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	104 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	108 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	106 %	76-130								



Sample Information

Client Sample ID: SB-1 (10-15')

York Sample ID: 19A0197-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A0197

100 East 149th St Bronx NY

Soil

January 4, 2019 12:00 am

01/07/2019

Semi-Volatiles, CP-51 (formerly STARS) List

Log-in Notes:

VOA-CON
T

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	48	95	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/08/2019 14:16	01/09/2019 23:30	OW
208-96-8	Acenaphthylene	ND		ug/kg dry	48	95	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/08/2019 14:16	01/09/2019 23:30	OW
120-12-7	Anthracene	ND		ug/kg dry	48	95	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/08/2019 14:16	01/09/2019 23:30	OW
56-55-3	Benzo(a)anthracene	210		ug/kg dry	48	95	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/08/2019 14:16	01/09/2019 23:30	OW
50-32-8	Benzo(a)pyrene	280		ug/kg dry	48	95	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/08/2019 14:16	01/09/2019 23:30	OW
205-99-2	Benzo(b)fluoranthene	220		ug/kg dry	48	95	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/08/2019 14:16	01/09/2019 23:30	OW
191-24-2	Benzo(g,h,i)perylene	220		ug/kg dry	48	95	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/08/2019 14:16	01/09/2019 23:30	OW
207-08-9	Benzo(k)fluoranthene	200		ug/kg dry	48	95	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/08/2019 14:16	01/09/2019 23:30	OW
218-01-9	Chrysene	260		ug/kg dry	48	95	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/08/2019 14:16	01/09/2019 23:30	OW
53-70-3	Dibenzo(a,h)anthracene	52	J	ug/kg dry	48	95	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/08/2019 14:16	01/09/2019 23:30	OW
206-44-0	Fluoranthene	370		ug/kg dry	48	95	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/08/2019 14:16	01/09/2019 23:30	OW
86-73-7	Fluorene	ND		ug/kg dry	48	95	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/08/2019 14:16	01/09/2019 23:30	OW
193-39-5	Indeno(1,2,3-cd)pyrene	210		ug/kg dry	48	95	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/08/2019 14:16	01/09/2019 23:30	OW
91-20-3	Naphthalene	ND		ug/kg dry	48	95	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/08/2019 14:16	01/09/2019 23:30	OW
85-01-8	Phenanthrene	190		ug/kg dry	48	95	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/08/2019 14:16	01/09/2019 23:30	OW
129-00-0	Pyrene	380		ug/kg dry	48	95	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/08/2019 14:16	01/09/2019 23:30	OW
Surrogate Recoveries		Result	Acceptance Range								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	53.6 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	52.5 %	21-113								
1718-51-0	Surrogate: SURR: Terphenyl-d14	57.1 %	24-116								

Metals, RCRA

Log-in Notes:

VOA-CON
T

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
7440-38-2	Arsenic	6.75		mg/kg dry	1.73	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/08/2019 09:52	01/09/2019 11:12	KML

120 RESEARCH DRIVE

STRATFORD, CT 06615

132-02 89th AVENUE

RICHMOND HILL, NY 11418

www.YORKLAB.com

(203) 325-1371

FAX (203) 357-0166

ClientServices@YorkLab.com



Sample Information

Client Sample ID: SB-1 (10-15')

York Sample ID: 19A0197-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A0197

100 East 149th St Bronx NY

Soil

January 4, 2019 12:00 am

01/07/2019

Metals, RCRA

Log-in Notes:

VOA-CON
T

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
7440-39-3	Barium	105		mg/kg dry	2.88	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/08/2019 09:52	01/09/2019 11:12	KML
7440-43-9	Cadmium	0.462		mg/kg dry	0.346	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/08/2019 09:52	01/09/2019 11:12	KML
7440-47-3	Chromium	29.2		mg/kg dry	0.576	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/08/2019 09:52	01/09/2019 11:12	KML
7439-92-1	Lead	191		mg/kg dry	0.576	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/08/2019 09:52	01/09/2019 11:12	KML
7782-49-2	Selenium	ND		mg/kg dry	2.88	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/08/2019 09:52	01/09/2019 11:12	KML
7440-22-4	Silver	ND		mg/kg dry	0.576	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/08/2019 09:52	01/09/2019 11:12	KML

Mercury by 7473

Log-in Notes:

VOA-CON
T

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	0.783		mg/kg dry	0.0346	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	01/08/2019 09:50	01/08/2019 10:55	SY

Total Solids

Log-in Notes:

VOA-CON
T

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	01/09/2019 12:22	01/09/2019 16:59	MAC

Sample Information

Client Sample ID: SB-5 (10'-15')

York Sample ID: 19A0197-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A0197

100 East 149th St Bronx NY

Soil

January 4, 2019 12:00 am

01/07/2019

Volatile Organics, CP-51 (formerly STARS) List

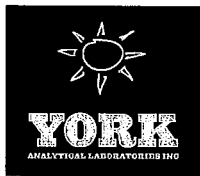
Log-in Notes:

VOA-CON
T

Sample Notes: VOA-CONT

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
95-63-6	1,2,4-Trimethylbenzene	45		ug/kg dry	15	29	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	01/10/2019 10:32	01/10/2019 16:28	SS



Sample Information

Client Sample ID: SB-5 (10'-15')

York Sample ID: 19A0197-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A0197

100 East 149th St Bronx NY

Soil

January 4, 2019 12:00 am

01/07/2019

Volatile Organics, CP-51 (formerly STARS) List

Log-in Notes:

VOA-CON
T

Sample Notes: VOA-CONT

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-67-8	1,3,5-Trimethylbenzene	25	J	ug/kg dry	15	29	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	01/10/2019 10:32	01/10/2019 16:28	SS
71-43-2	Benzene	47		ug/kg dry	15	29	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	01/10/2019 10:32	01/10/2019 16:28	SS
100-41-4	Ethyl Benzene	47		ug/kg dry	15	29	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	01/10/2019 10:32	01/10/2019 16:28	SS
98-82-8	Isopropylbenzene	31		ug/kg dry	15	29	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	01/10/2019 10:32	01/10/2019 16:28	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	15	29	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	01/10/2019 10:32	01/10/2019 16:28	SS
91-20-3	Naphthalene	31	J	ug/kg dry	15	59	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJC	01/10/2019 10:32	01/10/2019 16:28	SS
104-51-8	n-Butylbenzene	53	CCV-E	ug/kg dry	15	29	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	01/10/2019 10:32	01/10/2019 16:28	SS
103-65-1	n-Propylbenzene	110		ug/kg dry	15	29	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	01/10/2019 10:32	01/10/2019 16:28	SS
95-47-6	o-Xylene	ND		ug/kg dry	15	29	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	01/10/2019 10:32	01/10/2019 16:28	SS
179601-23-1	p- & m- Xylenes	55	J	ug/kg dry	29	59	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	01/10/2019 10:32	01/10/2019 16:28	SS
99-87-6	p-Isopropyltoluene	19	J	ug/kg dry	15	29	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	01/10/2019 10:32	01/10/2019 16:28	SS
135-98-8	sec-Butylbenzene	22	J	ug/kg dry	15	29	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	01/10/2019 10:32	01/10/2019 16:28	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	15	29	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	01/10/2019 10:32	01/10/2019 16:28	SS
108-88-3	Toluene	23	J	ug/kg dry	15	29	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	01/10/2019 10:32	01/10/2019 16:28	SS
1330-20-7	Xylenes, Total	55	J	ug/kg dry	44	88	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	01/10/2019 10:32	01/10/2019 16:28	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	98.0 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	108 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	108 %	76-130								

Semi-Volatiles, CP-51 (formerly STARS) List

Log-in Notes:

VOA-CON
T

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	69	J	ug/kg dry	48	95	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/08/2019 14:16	01/10/2019 00:03	OW
208-96-8	Acenaphthylene	320		ug/kg dry	48	95	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/08/2019 14:16	01/10/2019 00:03	OW

120 RESEARCH DRIVE

STRATFORD, CT 06615

www.YORKLAB.com

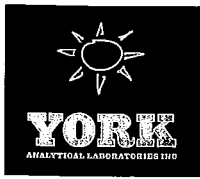
(203) 325-1371

132-02 89th AVENUE

FAX (203) 357-0166

RICHMOND HILL, NY 11418

Client Services



Sample Information

Client Sample ID: SB-5 (10'-15')

York Sample ID: 19A0197-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A0197

100 East 149th St Bronx NY

Soil

January 4, 2019 12:00 am

01/07/2019

Semi-Volatiles, CP-51 (formerly STARS) List

Log-in Notes:

VOA-CON
T

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-12-7	Anthracene	500		ug/kg dry	48	95	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/08/2019 14:16	01/10/2019 00:03	OW
56-55-3	Benzo(a)anthracene	2300		ug/kg dry	48	95	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/08/2019 14:16	01/10/2019 00:03	OW
50-32-8	Benzo(a)pyrene	4500		ug/kg dry	120	240	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/08/2019 14:16	01/11/2019 01:08	OW
205-99-2	Benzo(b)fluoranthene	3300		ug/kg dry	120	240	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/08/2019 14:16	01/11/2019 01:08	OW
191-24-2	Benzo(g,h,i)perylene	4800		ug/kg dry	120	240	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/08/2019 14:16	01/11/2019 01:08	OW
207-08-9	Benzo(k)fluoranthene	2900		ug/kg dry	120	240	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/08/2019 14:16	01/11/2019 01:08	OW
218-01-9	Chrysene	2500		ug/kg dry	48	95	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/08/2019 14:16	01/10/2019 00:03	OW
53-70-3	Dibenzo(a,h)anthracene	1200		ug/kg dry	48	95	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/08/2019 14:16	01/10/2019 00:03	OW
206-44-0	Fluoranthene	2900		ug/kg dry	48	95	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/08/2019 14:16	01/10/2019 00:03	OW
86-73-7	Fluorene	230		ug/kg dry	48	95	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/08/2019 14:16	01/10/2019 00:03	OW
193-39-5	Indeno(1,2,3-cd)pyrene	4400		ug/kg dry	120	240	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/08/2019 14:16	01/11/2019 01:08	OW
91-20-3	Naphthalene	2200		ug/kg dry	48	95	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/08/2019 14:16	01/10/2019 00:03	OW
85-01-8	Phenanthrene	1700		ug/kg dry	48	95	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/08/2019 14:16	01/10/2019 00:03	OW
129-00-0	Pyrene	2600		ug/kg dry	48	95	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/08/2019 14:16	01/10/2019 00:03	OW
Surrogate Recoveries		Result	Acceptance Range								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	63.0 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	57.9 %	21-113								
1718-51-0	Surrogate: SURR: Terphenyl-d14	59.5 %	24-116								

Metals, RCRA

Log-in Notes:

VOA-CON
T

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
7440-38-2	Arsenic	10.4		mg/kg dry	1.76	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/08/2019 09:52	01/09/2019 11:14	KML
7440-39-3	Barium	134		mg/kg dry	2.94	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/08/2019 09:52	01/09/2019 11:14	KML
7440-43-9	Cadmium	0.669		mg/kg dry	0.352	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/08/2019 09:52	01/09/2019 11:14	KML
7440-47-3	Chromium	18.2		mg/kg dry	0.587	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/08/2019 09:52	01/09/2019 11:14	KML

120 RESEARCH DRIVE

STRATFORD, CT 06615

www.YORKLAB.com

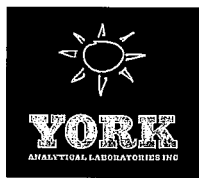
(203) 325-1371

132-02 89th AVENUE

FAX (203) 357-0166

RICHMOND HILL, NY 11413

ClientServices@



Sample Information

Client Sample ID: SB-5 (10'-15')

York Sample ID: 19A0197-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A0197

100 East 149th St Bronx NY

Soil

January 4, 2019 12:00 am

01/07/2019

Metals, RCRA

Log-in Notes:

VOA-CON
T

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	157		mg/kg dry	0.587	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/08/2019 09:52	01/09/2019 11:14	KML
7782-49-2	Selenium	ND		mg/kg dry	2.94	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/08/2019 09:52	01/09/2019 11:14	KML
7440-22-4	Silver	ND		mg/kg dry	0.587	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/08/2019 09:52	01/09/2019 11:14	KML

Mercury by 7473

Log-in Notes:

VOA-CON
T

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	0.304		mg/kg dry	0.0352	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	01/08/2019 09:50	01/08/2019 11:07	SY

Total Solids

Log-in Notes:

VOA-CON
T

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	85.2		%	0.100	1	SM 2540G Certifications: CTDOH	01/09/2019 12:22	01/09/2019 16:59	MAC

Sample Information

Client Sample ID: SB-8 (10'-15')

York Sample ID: 19A0197-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A0197

100 East 149th St Bronx NY

Soil

January 4, 2019 12:00 am

01/07/2019

Volatile Organics, CP-51 (formerly STARS) List

Log-in Notes:

VOA-CON
T

Sample Notes: VOA-CONT

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
95-63-6	1,2,4-Trimethylbenzene	1500		ug/kg dry	290	590	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	01/10/2019 10:32	01/10/2019 16:55	SS
108-67-8	1,3,5-Trimethylbenzene	620		ug/kg dry	290	590	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	01/10/2019 10:32	01/10/2019 16:55	SS
71-43-2	Benzene	1200		ug/kg dry	290	590	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	01/10/2019 10:32	01/10/2019 16:55	SS
100-41-4	Ethyl Benzene	1900		ug/kg dry	290	590	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	01/10/2019 10:32	01/10/2019 16:55	SS

120 RESEARCH DRIVE

STRATFORD, CT 06615

132-02 89th AVENUE

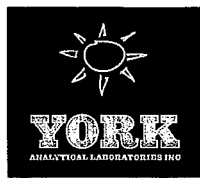
RICHMOND HILL, NY 11413

www.YORKLAB.com

(203) 325-1371

FAX (203) 357-0166

ClientServices@yorklab.com



Sample Information

Client Sample ID: SB-8 (10'-15')

York Sample ID: 19A0197-03

York Project (SDG) No.

19A0197

Client Project ID

100 East 149th St Bronx NY

Matrix

Soil

Collection Date/Time

January 4, 2019 12:00 am

Date Received

01/07/2019

Volatile Organics, CP-51 (formerly STARS) List

Log-in Notes:

VOA-CON
T

Sample Notes: VOA-CONT

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-82-8	Isopropylbenzene	320	J	ug/kg dry	290	590	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	01/10/2019 10:32	01/10/2019 16:55	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	290	590	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	01/10/2019 10:32	01/10/2019 16:55	SS
91-20-3	Naphthalene	670	J	ug/kg dry	290	1200	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJE	01/10/2019 10:32	01/10/2019 16:55	SS
104-51-8	n-Butylbenzene	640	CCV-E	ug/kg dry	290	590	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	01/10/2019 10:32	01/10/2019 16:55	SS
103-65-1	n-Propylbenzene	1600		ug/kg dry	290	590	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	01/10/2019 10:32	01/10/2019 16:55	SS
95-47-6	o-Xylene	380	J	ug/kg dry	290	590	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	01/10/2019 10:32	01/10/2019 16:55	SS
179601-23-1	p- & m- Xylenes	3500		ug/kg dry	590	1200	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	01/10/2019 10:32	01/10/2019 16:55	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	290	590	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	01/10/2019 10:32	01/10/2019 16:55	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	290	590	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	01/10/2019 10:32	01/10/2019 16:55	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	290	590	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	01/10/2019 10:32	01/10/2019 16:55	SS
108-88-3	Toluene	1400		ug/kg dry	290	590	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	01/10/2019 10:32	01/10/2019 16:55	SS
1330-20-7	Xylenes, Total	3900		ug/kg dry	880	1800	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	01/10/2019 10:32	01/10/2019 16:55	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	82.0 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	104 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	98.7 %	76-130								

Semi-Volatiles, CP-51 (formerly STARS) List

Log-in Notes:

VOA-CON
T

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	49	97	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/08/2019 14:16	01/10/2019 00:35	OW
208-96-8	Acenaphthylene	ND		ug/kg dry	49	97	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/08/2019 14:16	01/10/2019 00:35	OW
120-12-7	Anthracene	190		ug/kg dry	49	97	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/08/2019 14:16	01/10/2019 00:35	OW
56-55-3	Benzo(a)anthracene	410		ug/kg dry	49	97	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/08/2019 14:16	01/10/2019 00:35	OW

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: SB-8 (10'-15')

York Sample ID: 19A0197-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A0197

100 East 149th St Bronx NY

Soil

January 4, 2019 12:00 am

01/07/2019

Semi-Volatiles, CP-51 (formerly STARS) List

Log-in Notes:

VOA-CON
T

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	470		ug/kg dry	49	97	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/08/2019 14:16	01/10/2019 00:35	OW
205-99-2	Benzo(b)fluoranthene	310		ug/kg dry	49	97	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/08/2019 14:16	01/10/2019 00:35	OW
191-24-2	Benzo(g,h,i)perylene	240		ug/kg dry	49	97	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/08/2019 14:16	01/10/2019 00:35	OW
207-08-9	Benzo(k)fluoranthene	210		ug/kg dry	49	97	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/08/2019 14:16	01/10/2019 00:35	OW
218-01-9	Chrysene	510		ug/kg dry	49	97	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/08/2019 14:16	01/10/2019 00:35	OW
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	49	97	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/08/2019 14:16	01/10/2019 00:35	OW
206-44-0	Fluoranthene	840		ug/kg dry	49	97	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/08/2019 14:16	01/10/2019 00:35	OW
86-73-7	Fluorene	ND		ug/kg dry	49	97	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/08/2019 14:16	01/10/2019 00:35	OW
193-39-5	Indeno(1,2,3-cd)pyrene	300		ug/kg dry	49	97	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/08/2019 14:16	01/10/2019 00:35	OW
91-20-3	Naphthalene	410		ug/kg dry	49	97	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/08/2019 14:16	01/10/2019 00:35	OW
85-01-8	Phenanthrene	800		ug/kg dry	49	97	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/08/2019 14:16	01/10/2019 00:35	OW
129-00-0	Pyrene	880		ug/kg dry	49	97	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/08/2019 14:16	01/10/2019 00:35	OW
Surrogate Recoveries		Result	Acceptance Range								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	103 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	51.3 %	21-113								
1718-51-0	Surrogate: SURR: Terphenyl-d14	58.3 %	24-116								

Metals, RCRA

Log-in Notes:

VOA-CON
T

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
7440-38-2	Arsenic	12.2		mg/kg dry	1.77	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/08/2019 09:52	01/09/2019 11:16	KML
7440-39-3	Barium	123		mg/kg dry	2.95	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/08/2019 09:52	01/09/2019 11:16	KML
7440-43-9	Cadmium	1.63		mg/kg dry	0.354	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/08/2019 09:52	01/09/2019 11:16	KML
7440-47-3	Chromium	17.7		mg/kg dry	0.590	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/08/2019 09:52	01/09/2019 11:16	KML
7439-92-1	Lead	370		mg/kg dry	0.590	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/08/2019 09:52	01/09/2019 11:16	KML

120 RESEARCH DRIVE

STRATFORD, CT 06815

132-02 89th AVENUE

RICHMOND HILL, NY 11418

www.YORKLAB.com

(203) 325-1371

FAX (203) 357-0166

ClientServices@YorkLab.com



Sample Information

Client Sample ID: SB-8 (10'-15')

York Sample ID: 19A0197-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A0197

100 East 149th St Bronx NY

Soil

January 4, 2019 12:00 am

01/07/2019

Metals, RCRA

Log-in Notes:

VOA-CON
T

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
7782-49-2	Selenium	ND		mg/kg dry	2.95	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/08/2019 09:52	01/09/2019 11:16	KML
7440-22-4	Silver	ND		mg/kg dry	0.590	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/08/2019 09:52	01/09/2019 11:16	KML

Mercury by 7473

Log-in Notes:

VOA-CON
T

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	0.306		mg/kg dry	0.0354	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	01/08/2019 09:50	01/08/2019 11:15	SY

Total Solids

Log-in Notes:

VOA-CON
T

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	84.8		%	0.100	1	SM 2540G Certifications: CTDOH	01/09/2019 12:22	01/09/2019 16:59	MAC

Sample Information

Client Sample ID: SB-11 (10'-15')

York Sample ID: 19A0197-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A0197

100 East 149th St Bronx NY

Soil

January 4, 2019 12:00 am

01/07/2019

Volatile Organics, CP-51 (formerly STARS) List

Log-in Notes:

VOA-CON
T

Sample Notes: VOA-CONT

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
95-63-6	1,2,4-Trimethylbenzene	5100		ug/kg dry	300	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	01/10/2019 10:32	01/10/2019 17:21	SS
108-67-8	1,3,5-Trimethylbenzene	8400		ug/kg dry	300	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	01/10/2019 10:32	01/10/2019 17:21	SS
71-43-2	Benzene	ND		ug/kg dry	300	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	01/10/2019 10:32	01/10/2019 17:21	SS
100-41-4	Ethyl Benzene	6800		ug/kg dry	300	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	01/10/2019 10:32	01/10/2019 17:21	SS
98-82-8	Isopropylbenzene	2400		ug/kg dry	300	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	01/10/2019 10:32	01/10/2019 17:21	SS

120 RESEARCH DRIVE

STRATFORD, CT 06615

132-02 89th AVENUE

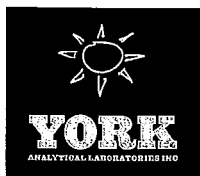
RICHMOND HILL, NY 11418

www.YORKLAB.com

(203) 325-1371

FAX (203) 357-0186

ClientServices@YorkLab.com



Sample Information

Client Sample ID: SB-11 (10'-15')

York Sample ID: 19A0197-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A0197

100 East 149th St Bronx NY

Soil

January 4, 2019 12:00 am

01/07/2019

Volatile Organics, CP-51 (formerly STARS) List

Log-in Notes:

VOA-CON
T

Sample Notes: VOA-CONT

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
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	300	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	01/10/2019 10:32	01/10/2019 17:21	SS
91-20-3	Naphthalene	6800		ug/kg dry	300	1200	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NIE	01/10/2019 10:32	01/10/2019 17:21	SS
104-51-8	n-Butylbenzene	5200	CCV-E	ug/kg dry	300	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	01/10/2019 10:32	01/10/2019 17:21	SS
103-65-1	n-Propylbenzene	9700		ug/kg dry	300	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	01/10/2019 10:32	01/10/2019 17:21	SS
95-47-6	o-Xylene	480	J	ug/kg dry	300	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	01/10/2019 10:32	01/10/2019 17:21	SS
179601-23-1	p- & m- Xylenes	3600		ug/kg dry	610	1200	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	01/10/2019 10:32	01/10/2019 17:21	SS
99-87-6	p-Isopropyltoluene	5900		ug/kg dry	300	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	01/10/2019 10:32	01/10/2019 17:21	SS
135-98-8	sec-Butylbenzene	1600		ug/kg dry	300	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	01/10/2019 10:32	01/10/2019 17:21	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	300	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	01/10/2019 10:32	01/10/2019 17:21	SS
108-88-3	Toluene	ND		ug/kg dry	300	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	01/10/2019 10:32	01/10/2019 17:21	SS
1330-20-7	Xylenes, Total	4100		ug/kg dry	910	1800	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	01/10/2019 10:32	01/10/2019 17:21	SS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	55.3 %			77-125						
2037-26-5	Surrogate: SURRE: Toluene-d8	105 %			85-120						
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	106 %			76-130						

Semi-Volatiles, CP-51 (formerly STARS) List

Log-in Notes:

VOA-CON
T

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	71	J	ug/kg dry	50	99	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/08/2019 14:16	01/10/2019 01:08	OW
208-96-8	Acenaphthylene	ND		ug/kg dry	50	99	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/08/2019 14:16	01/10/2019 01:08	OW
120-12-7	Anthracene	61	J	ug/kg dry	50	99	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/08/2019 14:16	01/10/2019 01:08	OW
56-55-3	Benzo(a)anthracene	130		ug/kg dry	50	99	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/08/2019 14:16	01/10/2019 01:08	OW
50-32-8	Benzo(a)pyrene	85	J	ug/kg dry	50	99	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/08/2019 14:16	01/10/2019 01:08	OW
205-99-2	Benzo(b)fluoranthene	94	J	ug/kg dry	50	99	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/08/2019 14:16	01/10/2019 01:08	OW

120 RESEARCH DRIVE

STRATFORD, CT 06815

132-02 89th AVENUE

RICHMOND HILL, NY 11418

www.YORKLAB.com

(203) 325-1371

FAX (203) 357-0166

ClientServices@YORKLAB.com



Sample Information

Client Sample ID: SB-11 (10'-15')

York Sample ID: 19A0197-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A0197

100 East 149th St Bronx NY

Soil

January 4, 2019 12:00 am

01/07/2019

Semi-Volatiles, CP-51 (formerly STARS) List

Log-in Notes:

VOA-CON
T

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	50	99	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/08/2019 14:16	01/10/2019 01:08	OW
207-08-9	Benzo(k)fluoranthene	97	J	ug/kg dry	50	99	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/08/2019 14:16	01/10/2019 01:08	OW
218-01-9	Chrysene	130		ug/kg dry	50	99	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/08/2019 14:16	01/10/2019 01:08	OW
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	50	99	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/08/2019 14:16	01/10/2019 01:08	OW
206-44-0	Fluoranthene	340		ug/kg dry	50	99	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/08/2019 14:16	01/10/2019 01:08	OW
86-73-7	Fluorene	64	J	ug/kg dry	50	99	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/08/2019 14:16	01/10/2019 01:08	OW
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	50	99	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/08/2019 14:16	01/10/2019 01:08	OW
91-20-3	Naphthalene	1400		ug/kg dry	50	99	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/08/2019 14:16	01/10/2019 01:08	OW
85-01-8	Phenanthrene	320		ug/kg dry	50	99	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/08/2019 14:16	01/10/2019 01:08	OW
129-00-0	Pyrene	320		ug/kg dry	50	99	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/08/2019 14:16	01/10/2019 01:08	OW
Surrogate Recoveries		Result	Acceptance Range								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	70.4 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	56.2 %	21-113								
1718-51-0	Surrogate: SURR: Terphenyl-d14	57.6 %	24-116								

Metals, RCRA

Log-in Notes:

VOA-CON
T

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
7440-38-2	Arsenic	2.19		mg/kg dry	1.83	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/08/2019 09:52	01/09/2019 11:23	KML
7440-39-3	Barium	27.5		mg/kg dry	3.05	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/08/2019 09:52	01/09/2019 11:23	KML
7440-43-9	Cadmium	ND		mg/kg dry	0.366	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/08/2019 09:52	01/09/2019 11:23	KML
7440-47-3	Chromium	5.79		mg/kg dry	0.609	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/08/2019 09:52	01/09/2019 11:23	KML
7439-92-1	Lead	31.1		mg/kg dry	0.609	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/08/2019 09:52	01/09/2019 11:23	KML
7782-49-2	Selenium	ND		mg/kg dry	3.05	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/08/2019 09:52	01/09/2019 11:23	KML
7440-22-4	Silver	ND		mg/kg dry	0.609	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/08/2019 09:52	01/09/2019 11:23	KML



Sample Information

Client Sample ID: SB-11 (10'-15')

York Sample ID: 19A0197-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19A0197

100 East 149th St Bronx NY

Soil

January 4, 2019 12:00 am

01/07/2019

Mercury by 7473

Log-in Notes:

VOA-CON
T

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	0.193		mg/kg dry	0.0366	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	01/08/2019 09:50	01/08/2019 11:24	SY

Total Solids

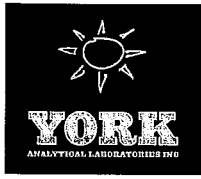
Log-in Notes:

VOA-CON
T

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	82.1		%	0.100	1	SM 2540G Certifications: CTDOH	01/09/2019 12:22	01/09/2019 16:59	MAC



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
19A0197-01	SB-1 (10'-15')	40mL 01_Clear Vial Cool to 4° C
19A0197-02	SB-5 (10'-15')	40mL 01_Clear Vial Cool to 4° C
19A0197-03	SB-8 (10'-15')	40mL 01_Clear Vial Cool to 4° C
19A0197-04	SB-11 (10'-15')	40mL 01_Clear Vial Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

VOA-CONT	Non-Compliant - the container(s) provided by the client for soil volatiles do not meet the requirements of EPA SW846-5035A. Results reported below 200 ug/kg may be biased low due to samples not being collected according to EPA SW846 5035A requirements.
M-CRL	The RL check for this element recovered outside of control limits.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
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

Page 1 of 1

NOTE: York's Std. Terms & Conditions are listed on the back side of this document. This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions.

York Project No. 19A0197

[illegible]



Technical Report

prepared for:

Eastern Environmental Solutions

258 Line Road

Manorville NY, 11949

Attention: Jim Mulvey

Report Date: 03/15/2019

Client Project ID: Boemi 100 E. 149th St Bronx, NY

York Project (SDG) No.: 19C0312

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

120 RESEARCH DRIVE
www.YORKLAB.com

STRATFORD, CT 06615
(203) 325-1371

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

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 03/15/2019
Client Project ID: Boemi 100 E. 149th St Bronx, NY
York Project (SDG) No.: 19C0312

Eastern Environmental Solutions
258 Line Road
Manorville NY, 11949
Attention: Jim Mulvey

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on March 08, 2019 with a temperature of 2.6 C. The project was identified as your project: **Boemi 100 E. 149th St Bronx, NY.**

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>
19C0312-01	SB1 0-2'	Soil	03/07/2019	03/08/2019
19C0312-02	SB1 10'	Soil	03/07/2019	03/08/2019
19C0312-03	SB2 0-2'	Soil	03/07/2019	03/08/2019
19C0312-04	SB2 10'	Soil	03/07/2019	03/08/2019
19C0312-05	SB3 0-2'	Soil	03/07/2019	03/08/2019
19C0312-06	SB3 10'	Soil	03/07/2019	03/08/2019
19C0312-07	SB4 0-2'	Soil	03/07/2019	03/08/2019
19C0312-08	SB4 10'	Soil	03/07/2019	03/08/2019

General Notes for York Project (SDG) No.: 19C0312

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

Approved By:



Benjamin Gulizia
Laboratory Director

Date: 03/15/2019





Sample Information

Client Sample ID: SB1 0-2'

York Sample ID: 19C0312-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C0312

Boemi 100 E. 149th St Bronx, NY

Soil

March 7, 2019 12:00 am

03/08/2019

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	3.2	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:15	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	3.2	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:15	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	3.2	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:15	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	3.2	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:15	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	3.2	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:15	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	3.2	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:15	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	3.2	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:15	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	3.2	6.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/12/2019 07:30	03/12/2019 14:15	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	3.2	6.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/12/2019 07:30	03/12/2019 14:15	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	3.2	6.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/12/2019 07:30	03/12/2019 14:15	SS
95-63-6	1,2,4-Trimethylbenzene	4.1	J	ug/kg dry	3.2	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:15	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.2	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:15	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	3.2	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:15	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	3.2	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:15	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	3.2	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:15	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	3.2	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:15	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	3.2	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:15	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	3.2	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:15	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	3.2	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:15	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	63	130	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/12/2019 07:30	03/12/2019 14:15	SS
78-93-3	2-Butanone	ND		ug/kg dry	3.2	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:15	SS



Sample Information

Client Sample ID: SB1 0-2'

York Sample ID: 19C0312-01

York Project (SDG) No.

19C0312

Client Project ID

Boemi 100 E. 149th St Bronx, NY

Matrix

Soil

Collection Date/Time

March 7, 2019 12:00 am

Date Received

03/08/2019

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		ug/kg dry	3.2	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:15	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	3.2	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:15	SS
67-64-1	Acetone	15		ug/kg dry	6.3	13	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:15	SS
107-02-8	Acrolein	ND		ug/kg dry	6.3	13	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:15	SS
107-13-1	Acrylonitrile	ND		ug/kg dry	3.2	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:15	SS
71-43-2	Benzene	ND		ug/kg dry	3.2	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:15	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	3.2	6.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/12/2019 07:30	03/12/2019 14:15	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	3.2	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:15	SS
75-25-2	Bromoform	ND		ug/kg dry	3.2	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:15	SS
74-83-9	Bromomethane	ND		ug/kg dry	3.2	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:15	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	3.2	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:15	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	3.2	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:15	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	3.2	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:15	SS
75-00-3	Chloroethane	ND		ug/kg dry	3.2	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:15	SS
67-66-3	Chloroform	ND		ug/kg dry	3.2	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:15	SS
74-87-3	Chloromethane	ND		ug/kg dry	3.2	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:15	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	3.2	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:15	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	3.2	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:15	SS
110-82-7	Cyclohexane	ND		ug/kg dry	3.2	6.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/12/2019 07:30	03/12/2019 14:15	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	3.2	6.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/12/2019 07:30	03/12/2019 14:15	SS
74-95-3	Dibromomethane	ND		ug/kg dry	3.2	6.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/12/2019 07:30	03/12/2019 14:15	SS



Sample Information

Client Sample ID: SB1 0-2'

York Sample ID: 19C0312-01

York Project (SDG) No.

19C0312

Client Project ID

Boemi 100 E. 149th St Bronx, NY

Matrix

Soil

Collection Date/Time

March 7, 2019 12:00 am

Date Received

03/08/2019

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
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	3.2	6.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/12/2019 07:30	03/12/2019 14:15	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	3.2	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:15	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	3.2	6.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/12/2019 07:30	03/12/2019 14:15	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	3.2	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:15	SS
79-20-9	Methyl acetate	ND		ug/kg dry	3.2	6.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/12/2019 07:30	03/12/2019 14:15	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	3.2	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:15	SS
108-87-2	Methylcyclohexane	3.9	J	ug/kg dry	3.2	6.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/12/2019 07:30	03/12/2019 14:15	SS
75-09-2	Methylene chloride	8.6	J	ug/kg dry	6.3	13	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:15	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	3.2	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:15	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	3.2	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:15	SS
95-47-6	o-Xylene	ND		ug/kg dry	3.2	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/12/2019 07:30	03/12/2019 14:15	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	6.3	13	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/12/2019 07:30	03/12/2019 14:15	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	3.2	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:15	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	3.2	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:15	SS
100-42-5	Styrene	ND		ug/kg dry	3.2	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:15	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	3.2	32	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/12/2019 07:30	03/12/2019 14:15	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	3.2	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:15	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	3.2	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:15	SS
108-88-3	Toluene	ND		ug/kg dry	3.2	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:15	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	3.2	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:15	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	3.2	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:15	SS
110-57-6	* trans-1,4-dichloro-2-butene	ND		ug/kg dry	3.2	6.3	1	EPA 8260C Certifications: CTDOH	03/12/2019 07:30	03/12/2019 14:15	SS



Sample Information

Client Sample ID: SB1 0-2'

York Sample ID: 19C0312-01

York Project (SDG) No.

19C0312

Client Project ID

Boemi 100 E. 149th St Bronx, NY

Matrix

Soil

Collection Date/Time

March 7, 2019 12:00 am

Date Received

03/08/2019

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-01-6	Trichloroethylene	ND		ug/kg dry	3.2	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:15	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	3.2	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:15	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	3.2	6.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:15	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	9.5	19	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:15	SS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	101 %			77-125						
2037-26-5	Surrogate: SURRE: Toluene-d8	109 %			85-120						
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	116 %			76-130						

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/kg dry	49.5	98.9	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 20:46	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	98.9	197	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 20:46	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	49.5	98.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 20:46	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	49.5	98.9	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/13/2019 08:30	03/13/2019 20:46	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	49.5	98.9	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 20:46	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	49.5	98.9	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/13/2019 08:30	03/13/2019 20:46	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	49.5	98.9	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/13/2019 08:30	03/13/2019 20:46	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	98.9	197	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 20:46	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	49.5	98.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 20:46	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	49.5	98.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 20:46	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	49.5	98.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 20:46	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	49.5	98.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 20:46	SR



Sample Information

Client Sample ID: SB1 0-2'

York Sample ID: 19C0312-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C0312

Boemi 100 E. 149th St Bronx, NY

Soil

March 7, 2019 12:00 am

03/08/2019

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	98.9	197	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 20:46	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	49.5	98.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 20:46	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	49.5	98.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 20:46	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	49.5	98.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 20:46	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	49.5	98.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 20:46	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	49.5	98.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 20:46	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	49.5	98.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 20:46	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	98.9	197	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 20:46	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	49.5	98.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 20:46	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	49.5	98.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 20:46	SR
91-94-1	3,3-Dichlorobenzidine	ND		ug/kg dry	49.5	98.9	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 20:46	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	98.9	197	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 20:46	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	98.9	197	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 20:46	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	49.5	98.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 20:46	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	49.5	98.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 20:46	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	49.5	98.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 20:46	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	49.5	98.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 20:46	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	98.9	197	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 20:46	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	98.9	197	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 20:46	SR
83-32-9	Acenaphthene	60.9	J	ug/kg dry	49.5	98.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 20:46	SR
208-96-8	Acenaphthylene	71.1	J	ug/kg dry	49.5	98.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 20:46	SR
98-86-2	Acetophenone	ND		ug/kg dry	49.5	98.9	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 20:46	SR



Sample Information

Client Sample ID: SB1 0-2'

York Sample ID: 19C0312-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C0312

Boemi 100 E. 149th St Bronx, NY

Soil

March 7, 2019 12:00 am

03/08/2019

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
62-53-3	Aniline	ND		ug/kg dry	198	396	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 20:46	SR
120-12-7	Anthracene	281		ug/kg dry	49.5	98.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 20:46	SR
1912-24-9	Atrazine	ND		ug/kg dry	49.5	98.9	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 20:46	SR
100-52-7	Benzaldehyde	ND		ug/kg dry	49.5	98.9	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 20:46	SR
92-87-5	Benzidine	ND		ug/kg dry	198	396	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	03/13/2019 08:30	03/13/2019 20:46	SR
56-55-3	Benzo(a)anthracene	1500		ug/kg dry	49.5	98.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 20:46	SR
50-32-8	Benzo(a)pyrene	1480		ug/kg dry	49.5	98.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 20:46	SR
205-99-2	Benzo(b)fluoranthene	1300		ug/kg dry	49.5	98.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 20:46	SR
191-24-2	Benzo(g,h,i)perylene	819		ug/kg dry	49.5	98.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 20:46	SR
207-08-9	Benzo(k)fluoranthene	1020		ug/kg dry	49.5	98.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 20:46	SR
65-85-0	Benzoic acid	ND		ug/kg dry	49.5	98.9	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 20:46	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	49.5	98.9	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 20:46	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	49.5	98.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 20:46	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	49.5	98.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 20:46	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	49.5	98.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 20:46	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	49.5	98.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 20:46	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	49.5	98.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 20:46	SR
105-60-2	Caprolactam	ND		ug/kg dry	98.9	197	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 20:46	SR
86-74-8	Carbazole	67.2	J	ug/kg dry	49.5	98.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 20:46	SR
218-01-9	Chrysene	1280		ug/kg dry	49.5	98.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 20:46	SR
53-70-3	Dibenzo(a,h)anthracene	251		ug/kg dry	49.5	98.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 20:46	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	49.5	98.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 20:46	SR



Sample Information

Client Sample ID: SB1 0-2'

York Sample ID: 19C0312-01

York Project (SDG) No.

19C0312

Client Project ID

Boemi 100 E. 149th St Bronx, NY

Matrix

Soil

Collection Date/Time

March 7, 2019 12:00 am

Date Received

03/08/2019

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
84-66-2	Diethyl phthalate	ND		ug/kg dry	49.5	98.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 20:46	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	49.5	98.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 20:46	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	49.5	98.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 20:46	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	49.5	98.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 20:46	SR
206-44-0	Fluoranthene	2850		ug/kg dry	49.5	98.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 20:46	SR
86-73-7	Fluorene	54.5	J	ug/kg dry	49.5	98.9	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 20:46	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	49.5	98.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 20:46	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	49.5	98.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 20:46	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	49.5	98.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 20:46	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	49.5	98.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 20:46	SR
193-39-5	Indeno(1,2,3-cd)pyrene	974		ug/kg dry	49.5	98.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 20:46	SR
78-59-1	Isophorone	ND		ug/kg dry	49.5	98.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 20:46	SR
91-20-3	Naphthalene	ND		ug/kg dry	49.5	98.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 20:46	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	49.5	98.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 20:46	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	49.5	98.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 20:46	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	49.5	98.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 20:46	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	49.5	98.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 20:46	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	49.5	98.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 20:46	SR
85-01-8	Phenanthrene	1100		ug/kg dry	49.5	98.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 20:46	SR
108-95-2	Phenol	ND		ug/kg dry	49.5	98.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 20:46	SR
129-00-0	Pyrene	2520		ug/kg dry	49.5	98.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 20:46	SR
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURRE: 2-Fluorophenol	63.6 %	20-108								



Sample Information

Client Sample ID: SB1 0-2'

York Sample ID: 19C0312-01

York Project (SDG) No.

19C0312

Client Project ID

Boemi 100 E. 149th St Bronx, NY

Matrix

Soil

Collection Date/Time

March 7, 2019 12:00 am

Date Received

03/08/2019

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
4165-62-2	Surrogate: SURR: Phenol-d5	62.9 %			23-114						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	67.8 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	61.3 %			21-113						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	70.6 %			19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	71.4 %			24-116						

Pesticides, EPA TCL List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	0.782	0.782	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 06:31	CM
72-55-9	4,4'-DDE	ND		ug/kg dry	0.782	0.782	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 06:31	CM
50-29-3	4,4'-DDT	ND		ug/kg dry	0.782	0.782	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 06:31	CM
309-00-2	Aldrin	ND		ug/kg dry	0.782	0.782	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 06:31	CM
319-84-6	alpha-BHC	ND		ug/kg dry	0.782	0.782	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 06:31	CM
319-85-7	beta-BHC	ND		ug/kg dry	0.782	0.782	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 06:31	CM
57-74-9	Chlordane, total	ND		ug/kg dry	1.56	1.56	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 06:31	CM
319-86-8	delta-BHC	ND		ug/kg dry	0.782	0.782	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 06:31	CM
60-57-1	Dieldrin	ND		ug/kg dry	0.782	0.782	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 06:31	CM
959-98-8	Endosulfan I	ND		ug/kg dry	0.782	0.782	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 06:31	CM
33213-65-9	Endosulfan II	ND		ug/kg dry	0.782	0.782	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854	03/12/2019 14:23	03/14/2019 06:31	CM
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	0.782	0.782	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 06:31	CM
72-20-8	Endrin	ND		ug/kg dry	0.782	0.782	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 06:31	CM
7421-93-4	Endrin aldehyde	ND		ug/kg dry	0.782	0.782	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 06:31	CM
53494-70-5	Endrin ketone	ND		ug/kg dry	0.782	0.782	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 06:31	CM



Sample Information

Client Sample ID: SB1 0-2'

York Sample ID: 19C0312-01

York Project (SDG) No.

19C0312

Client Project ID

Boemi 100 E. 149th St Bronx, NY

Matrix

Soil

Collection Date/Time

March 7, 2019 12:00 am

Date Received

03/08/2019

Pesticides, EPA TCL List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	0.782	0.782	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 06:31	CM
76-44-8	Heptachlor	ND		ug/kg dry	0.782	0.782	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 06:31	CM
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	0.782	0.782	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 06:31	CM
72-43-5	Methoxychlor	ND		ug/kg dry	3.91	3.91	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 06:31	CM
8001-35-2	Toxaphene	ND		ug/kg dry	39.6	39.6	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 06:31	CM
Surrogate Recoveries		Result			Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	31.0 %			30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	36.4 %			30-140						

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	0.0197	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 21:58	TJD
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0197	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 21:58	TJD
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0197	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 21:58	TJD
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0197	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 21:58	TJD
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0197	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 21:58	TJD
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0197	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 21:58	TJD
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0197	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 21:58	TJD
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0197	1	EPA 8082A Certifications:	03/12/2019 14:23	03/13/2019 21:58	TJD
Surrogate Recoveries		Result			Acceptance Range					
877-09-8	Surrogate: Tetrachloro-m-xylene	69.3 %			30-140					
2051-24-3	Surrogate: Decachlorobiphenyl	71.7 %			30-140					



Sample Information

Client Sample ID: SB1 0-2'

York Sample ID: 19C0312-01

York Project (SDG) No.

19C0312

Client Project ID

Boemi 100 E. 149th St Bronx, NY

Matrix

Soil

Collection Date/Time

March 7, 2019 12:00 am

Date Received

03/08/2019

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	8550		mg/kg dry	5.97	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:12	KML
7440-36-0	Antimony	ND		mg/kg dry	2.98	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:12	KML
7440-38-2	Arsenic	6.19		mg/kg dry	1.79	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:12	KML
7440-39-3	Barium	196		mg/kg dry	2.98	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:12	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.060	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:12	KML
7440-43-9	Cadmium	1.98		mg/kg dry	0.358	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:12	KML
7440-70-2	Calcium	9120		mg/kg dry	5.97	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:12	KML
7440-47-3	Chromium	25.2		mg/kg dry	0.597	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:12	KML
7440-48-4	Cobalt	9.88		mg/kg dry	0.477	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:12	KML
7440-50-8	Copper	81.4		mg/kg dry	2.39	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:12	KML
7439-89-6	Iron	19300		mg/kg dry	29.8	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:12	KML
7439-92-1	Lead	410		mg/kg dry	0.597	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:12	KML
7439-95-4	Magnesium	3930		mg/kg dry	5.97	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:12	KML
7439-96-5	Manganese	268		mg/kg dry	0.597	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:12	KML
7440-02-0	Nickel	25.1		mg/kg dry	1.19	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:12	KML
7440-09-7	Potassium	2030		mg/kg dry	5.97	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:12	KML
7782-49-2	Selenium	ND		mg/kg dry	2.98	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:12	KML
7440-22-4	Silver	ND		mg/kg dry	0.597	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:12	KML
7440-23-5	Sodium	524		mg/kg dry	59.7	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:12	KML
7440-28-0	Thallium	ND		mg/kg dry	2.98	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:12	KML
7440-62-2	Vanadium	40.3		mg/kg dry	1.19	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:12	KML
7440-66-6	Zinc	654		mg/kg dry	2.98	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:12	KML



Sample Information

Client Sample ID: SB1 0-2'

York Sample ID: 19C0312-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C0312

Boemi 100 E. 149th St Bronx, NY

Soil

March 7, 2019 12:00 am

03/08/2019

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	1.07		mg/kg dry	0.0358	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	03/11/2019 09:08	03/11/2019 09:38	SY

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	83.8		%	0.100	1	SM 2540G Certifications: CTDOH	03/11/2019 10:12	03/11/2019 14:01	JTV

Sample Information

Client Sample ID: SB1 10'

York Sample ID: 19C0312-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C0312

Boemi 100 E. 149th St Bronx, NY

Soil

March 7, 2019 12:00 am

03/08/2019

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 15:20	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 15:20	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 15:20	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 15:20	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 15:20	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 15:20	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 15:20	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAE	03/11/2019 07:30	03/11/2019 15:20	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/11/2019 07:30	03/11/2019 15:20	SS



Sample Information

Client Sample ID: SB1 10'

York Sample ID: 19C0312-02

York Project (SDG) No.

19C0312

Client Project ID

Boemi 100 E. 149th St Bronx, NY

Matrix

Soil

Collection Date/Time

March 7, 2019 12:00 am

Date Received

03/08/2019

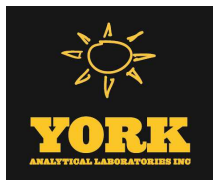
Volatile Organics, 8260 - Comprehensive

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
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/11/2019 07:30	03/11/2019 15:20	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 15:20	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 15:20	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 15:20	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 15:20	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 15:20	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 15:20	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 15:20	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 15:20	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 15:20	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	52	100	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/11/2019 07:30	03/11/2019 15:20	SS
78-93-3	2-Butanone	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 15:20	SS
591-78-6	2-Hexanone	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 15:20	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 15:20	SS
67-64-1	Acetone	5.6	J	ug/kg dry	5.2	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 15:20	SS
107-02-8	Acrolein	ND		ug/kg dry	5.2	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 15:20	SS
107-13-1	Acrylonitrile	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 15:20	SS
71-43-2	Benzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 15:20	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/11/2019 07:30	03/11/2019 15:20	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 15:20	SS
75-25-2	Bromoform	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 15:20	SS



Sample Information

Client Sample ID: SB1 10'

York Sample ID: 19C0312-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C0312

Boemi 100 E. 149th St Bronx, NY

Soil

March 7, 2019 12:00 am

03/08/2019

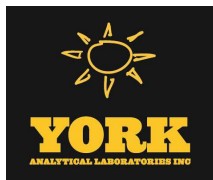
Volatile Organics, 8260 - Comprehensive

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
74-83-9	Bromomethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 15:20	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 15:20	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 15:20	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 15:20	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 15:20	SS
67-66-3	Chloroform	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 15:20	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 15:20	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 15:20	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 15:20	SS
110-82-7	Cyclohexane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/11/2019 07:30	03/11/2019 15:20	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/11/2019 07:30	03/11/2019 15:20	SS
74-95-3	Dibromomethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/11/2019 07:30	03/11/2019 15:20	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/11/2019 07:30	03/11/2019 15:20	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 15:20	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/11/2019 07:30	03/11/2019 15:20	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 15:20	SS
79-20-9	Methyl acetate	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/11/2019 07:30	03/11/2019 15:20	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 15:20	SS
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/11/2019 07:30	03/11/2019 15:20	SS
75-09-2	Methylene chloride	ND		ug/kg dry	5.2	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 15:20	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 15:20	SS



Sample Information

Client Sample ID: SB1 10'

York Sample ID: 19C0312-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C0312

Boemi 100 E. 149th St Bronx, NY

Soil

March 7, 2019 12:00 am

03/08/2019

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
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 15:20	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/11/2019 07:30	03/11/2019 15:20	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.2	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/11/2019 07:30	03/11/2019 15:20	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 15:20	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 15:20	SS
100-42-5	Styrene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 15:20	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.6	26	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAE	03/11/2019 07:30	03/11/2019 15:20	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 15:20	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 15:20	SS
108-88-3	Toluene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 15:20	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 15:20	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 15:20	SS
110-57-6	* trans-1,4-dichloro-2-butene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH	03/11/2019 07:30	03/11/2019 15:20	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 15:20	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 15:20	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.6	5.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 15:20	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	7.9	16	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 15:20	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	104 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	107 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	121 %	76-130								



Sample Information

Client Sample ID: SB1 10'

York Sample ID: 19C0312-02

York Project (SDG) No.

19C0312

Client Project ID

Boemi 100 E. 149th St Bronx, NY

Matrix

Soil

Collection Date/Time

March 7, 2019 12:00 am

Date Received

03/08/2019

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:17	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	100	200	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:17	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:17	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/13/2019 08:30	03/13/2019 21:17	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:17	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/13/2019 08:30	03/13/2019 21:17	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/13/2019 08:30	03/13/2019 21:17	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	100	200	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:17	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:17	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:17	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:17	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:17	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	100	200	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:17	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:17	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:17	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:17	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:17	SR
91-57-6	2-Methylnaphthalene	72.7	J	ug/kg dry	50.1	100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:17	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:17	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	100	200	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:17	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:17	SR



Sample Information

Client Sample ID: SB1 10'

York Sample ID: 19C0312-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C0312

Boemi 100 E. 149th St Bronx, NY

Soil

March 7, 2019 12:00 am

03/08/2019

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:17	SR
91-94-1	3,3-Dichlorobenzidine	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:17	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	100	200	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:17	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	100	200	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:17	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:17	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:17	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:17	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:17	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	100	200	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:17	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	100	200	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:17	SR
83-32-9	Acenaphthene	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:17	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:17	SR
98-86-2	Acetophenone	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:17	SR
62-53-3	Aniline	ND		ug/kg dry	200	400	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:17	SR
120-12-7	Anthracene	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:17	SR
1912-24-9	Atrazine	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:17	SR
100-52-7	Benzaldehyde	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:17	SR
92-87-5	Benzidine	ND		ug/kg dry	200	400	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	03/13/2019 08:30	03/13/2019 21:17	SR
56-55-3	Benzo(a)anthracene	201		ug/kg dry	50.1	100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:17	SR
50-32-8	Benzo(a)pyrene	421		ug/kg dry	50.1	100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:17	SR
205-99-2	Benzo(b)fluoranthene	344		ug/kg dry	50.1	100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:17	SR
191-24-2	Benzo(g,h,i)perylene	349		ug/kg dry	50.1	100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:17	SR



Sample Information

Client Sample ID: SB1 10'

York Sample ID: 19C0312-02

York Project (SDG) No.

19C0312

Client Project ID

Boemi 100 E. 149th St Bronx, NY

Matrix

Soil

Collection Date/Time

March 7, 2019 12:00 am

Date Received

03/08/2019

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
207-08-9	Benzo(k)fluoranthene	247		ug/kg dry	50.1	100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:17	SR
65-85-0	Benzoic acid	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:17	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:17	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:17	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:17	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:17	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:17	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:17	SR
105-60-2	Caprolactam	ND		ug/kg dry	100	200	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:17	SR
86-74-8	Carbazole	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:17	SR
218-01-9	Chrysene	225		ug/kg dry	50.1	100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:17	SR
53-70-3	Dibenzo(a,h)anthracene	105		ug/kg dry	50.1	100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:17	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:17	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:17	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:17	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:17	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:17	SR
206-44-0	Fluoranthene	242		ug/kg dry	50.1	100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:17	SR
86-73-7	Fluorene	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:17	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:17	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:17	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:17	SR



Sample Information

Client Sample ID: SB1 10'

York Sample ID: 19C0312-02

York Project (SDG) No.

19C0312

Client Project ID

Boemi 100 E. 149th St Bronx, NY

Matrix

Soil

Collection Date/Time

March 7, 2019 12:00 am

Date Received

03/08/2019

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-72-1	Hexachloroethane	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:17	SR
193-39-5	Indeno(1,2,3-cd)pyrene	390		ug/kg dry	50.1	100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:17	SR
78-59-1	Isophorone	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:17	SR
91-20-3	Naphthalene	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:17	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:17	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:17	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:17	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:17	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:17	SR
85-01-8	Phenanthrene	109		ug/kg dry	50.1	100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:17	SR
108-95-2	Phenol	ND		ug/kg dry	50.1	100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:17	SR
129-00-0	Pyrene	245		ug/kg dry	50.1	100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:17	SR
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	70.6 %	20-108								
4165-62-2	Surrogate: SURR: Phenol-d5	67.4 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	75.3 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	68.1 %	21-113								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	83.9 %	19-110								
1718-51-0	Surrogate: SURR: Terphenyl-d14	82.6 %	24-116								

Pesticides, EPA TCL List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	0.791	0.791	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 19:25	CM
72-55-9	4,4'-DDE	ND		ug/kg dry	0.791	0.791	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 19:25	CM



Sample Information

Client Sample ID: SB1 10'

York Sample ID: 19C0312-02

York Project (SDG) No.

19C0312

Client Project ID

Boemi 100 E. 149th St Bronx, NY

Matrix

Soil

Collection Date/Time

March 7, 2019 12:00 am

Date Received

03/08/2019

Pesticides, EPA TCL List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-29-3	4,4'-DDT	ND		ug/kg dry	0.791	0.791	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 19:25	CM
309-00-2	Aldrin	ND		ug/kg dry	0.791	0.791	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 19:25	CM
319-84-6	alpha-BHC	ND		ug/kg dry	0.791	0.791	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 19:25	CM
319-85-7	beta-BHC	ND		ug/kg dry	0.791	0.791	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 19:25	CM
57-74-9	Chlordane, total	ND		ug/kg dry	1.58	1.58	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 19:25	CM
319-86-8	delta-BHC	ND		ug/kg dry	0.791	0.791	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 19:25	CM
60-57-1	Dieldrin	ND		ug/kg dry	0.791	0.791	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 19:25	CM
959-98-8	Endosulfan I	ND		ug/kg dry	0.791	0.791	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 19:25	CM
33213-65-9	Endosulfan II	ND		ug/kg dry	0.791	0.791	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854	03/12/2019 14:23	03/13/2019 19:25	CM
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	0.791	0.791	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 19:25	CM
72-20-8	Endrin	ND		ug/kg dry	0.791	0.791	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 19:25	CM
7421-93-4	Endrin aldehyde	ND		ug/kg dry	0.791	0.791	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 19:25	CM
53494-70-5	Endrin ketone	ND		ug/kg dry	0.791	0.791	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 19:25	CM
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	0.791	0.791	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 19:25	CM
76-44-8	Heptachlor	ND		ug/kg dry	0.791	0.791	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 19:25	CM
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	0.791	0.791	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 19:25	CM
72-43-5	Methoxychlor	ND		ug/kg dry	3.96	3.96	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 19:25	CM
8001-35-2	Toxaphene	ND		ug/kg dry	40.0	40.0	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 19:25	CM
Surrogate Recoveries		Result	Acceptance Range								
877-09-8	Surrogate: Tetrachloro-m-xylene	56.9 %	30-140								
2051-24-3	Surrogate: Decachlorobiphenyl	36.7 %	30-140								



Sample Information

Client Sample ID: SB1 10'

York Sample ID: 19C0312-02

York Project (SDG) No.

19C0312

Client Project ID

Boemi 100 E. 149th St Bronx, NY

Matrix

Soil

Collection Date/Time

March 7, 2019 12:00 am

Date Received

03/08/2019

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	0.0200	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 22:12	TJD
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0200	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 22:12	TJD
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0200	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 22:12	TJD
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0200	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 22:12	TJD
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0200	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 22:12	TJD
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0200	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 22:12	TJD
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0200	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 22:12	TJD
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0200	1	EPA 8082A Certifications:	03/12/2019 14:23	03/13/2019 22:12	TJD
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	54.6 %	30-140							
2051-24-3	Surrogate: Decachlorobiphenyl	53.7 %	30-140							

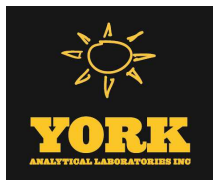
Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	9270		mg/kg dry	6.03	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:15	KML
7440-36-0	Antimony	ND		mg/kg dry	3.02	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:15	KML
7440-38-2	Arsenic	10.0		mg/kg dry	1.81	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:15	KML
7440-39-3	Barium	141		mg/kg dry	3.02	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:15	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.060	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:15	KML
7440-43-9	Cadmium	0.628		mg/kg dry	0.362	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:15	KML
7440-70-2	Calcium	8790		mg/kg dry	6.03	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:15	KML
7440-47-3	Chromium	17.1		mg/kg dry	0.603	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:15	KML
7440-48-4	Cobalt	10.8		mg/kg dry	0.483	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:15	KML



Sample Information

Client Sample ID: SB1 10'

York Sample ID: 19C0312-02

York Project (SDG) No.

19C0312

Client Project ID

Boemi 100 E. 149th St Bronx, NY

Matrix

Soil

Collection Date/Time

March 7, 2019 12:00 am

Date Received

03/08/2019

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-50-8	Copper	77.6		mg/kg dry	2.41	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:15	KML
7439-89-6	Iron	24000		mg/kg dry	30.2	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:15	KML
7439-92-1	Lead	566		mg/kg dry	0.603	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:15	KML
7439-95-4	Magnesium	5330		mg/kg dry	6.03	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:15	KML
7439-96-5	Manganese	265		mg/kg dry	0.603	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:15	KML
7440-02-0	Nickel	19.7		mg/kg dry	1.21	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:15	KML
7440-09-7	Potassium	2810		mg/kg dry	6.03	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:15	KML
7782-49-2	Selenium	ND		mg/kg dry	3.02	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:15	KML
7440-22-4	Silver	ND		mg/kg dry	0.603	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:15	KML
7440-23-5	Sodium	274		mg/kg dry	60.3	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:15	KML
7440-28-0	Thallium	ND		mg/kg dry	3.02	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:15	KML
7440-62-2	Vanadium	34.1		mg/kg dry	1.21	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:15	KML
7440-66-6	Zinc	204		mg/kg dry	3.02	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:15	KML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	1.95		mg/kg dry	0.0362	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	03/11/2019 09:08	03/11/2019 09:51	SY

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	82.9		%	0.100	1	SM 2540G Certifications: CTDOH	03/11/2019 10:12	03/11/2019 14:01	JTV



Sample Information

Client Sample ID: SB2 0-2'

York Sample ID: 19C0312-03

York Project (SDG) No.

19C0312

Client Project ID

Boemi 100 E. 149th St Bronx, NY

Matrix

Soil

Collection Date/Time

March 7, 2019 12:00 am

Date Received

03/08/2019

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:44	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:44	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND	IS-LO	ug/kg dry	3.3	6.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:44	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:44	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:44	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:44	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:44	SS
87-61-6	1,2,3-Trichlorobenzene	ND	IS-LO	ug/kg dry	3.3	6.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/12/2019 07:30	03/12/2019 14:44	SS
96-18-4	1,2,3-Trichloropropane	ND	IS-LO	ug/kg dry	3.3	6.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/12/2019 07:30	03/12/2019 14:44	SS
120-82-1	1,2,4-Trichlorobenzene	ND	IS-LO	ug/kg dry	3.3	6.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/12/2019 07:30	03/12/2019 14:44	SS
95-63-6	1,2,4-Trimethylbenzene	ND	IS-LO	ug/kg dry	3.3	6.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:44	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND	IS-LO	ug/kg dry	3.3	6.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:44	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:44	SS
95-50-1	1,2-Dichlorobenzene	ND	IS-LO	ug/kg dry	3.3	6.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:44	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:44	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:44	SS
108-67-8	1,3,5-Trimethylbenzene	ND	IS-LO	ug/kg dry	3.3	6.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:44	SS
541-73-1	1,3-Dichlorobenzene	ND	IS-LO	ug/kg dry	3.3	6.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:44	SS
106-46-7	1,4-Dichlorobenzene	ND	IS-LO	ug/kg dry	3.3	6.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:44	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	65	130	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/12/2019 07:30	03/12/2019 14:44	SS
78-93-3	2-Butanone	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:44	SS



Sample Information

Client Sample ID: SB2 0-2'

York Sample ID: 19C0312-03

York Project (SDG) No.

19C0312

Client Project ID

Boemi 100 E. 149th St Bronx, NY

Matrix

Soil

Collection Date/Time

March 7, 2019 12:00 am

Date Received

03/08/2019

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		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:44	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:44	SS
67-64-1	Acetone	15		ug/kg dry	6.5	13	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:44	SS
107-02-8	Acrolein	ND		ug/kg dry	6.5	13	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:44	SS
107-13-1	Acrylonitrile	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:44	SS
71-43-2	Benzene	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:44	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/12/2019 07:30	03/12/2019 14:44	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:44	SS
75-25-2	Bromoform	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:44	SS
74-83-9	Bromomethane	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:44	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:44	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:44	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:44	SS
75-00-3	Chloroethane	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:44	SS
67-66-3	Chloroform	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:44	SS
74-87-3	Chloromethane	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:44	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:44	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:44	SS
110-82-7	Cyclohexane	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/12/2019 07:30	03/12/2019 14:44	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/12/2019 07:30	03/12/2019 14:44	SS
74-95-3	Dibromomethane	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/12/2019 07:30	03/12/2019 14:44	SS



Sample Information

Client Sample ID: SB2 0-2'

York Sample ID: 19C0312-03

York Project (SDG) No.

19C0312

Client Project ID

Boemi 100 E. 149th St Bronx, NY

Matrix

Soil

Collection Date/Time

March 7, 2019 12:00 am

Date Received

03/08/2019

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
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/12/2019 07:30	03/12/2019 14:44	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:44	SS
87-68-3	Hexachlorobutadiene	ND	IS-LO	ug/kg dry	3.3	6.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/12/2019 07:30	03/12/2019 14:44	SS
98-82-8	Isopropylbenzene	ND	IS-LO	ug/kg dry	3.3	6.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:44	SS
79-20-9	Methyl acetate	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/12/2019 07:30	03/12/2019 14:44	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:44	SS
108-87-2	Methylcyclohexane	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/12/2019 07:30	03/12/2019 14:44	SS
75-09-2	Methylene chloride	ND		ug/kg dry	6.5	13	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:44	SS
104-51-8	n-Butylbenzene	ND	IS-LO	ug/kg dry	3.3	6.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:44	SS
103-65-1	n-Propylbenzene	ND	IS-LO	ug/kg dry	3.3	6.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:44	SS
95-47-6	o-Xylene	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/12/2019 07:30	03/12/2019 14:44	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	6.5	13	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/12/2019 07:30	03/12/2019 14:44	SS
99-87-6	p-Isopropyltoluene	ND	IS-LO	ug/kg dry	3.3	6.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:44	SS
135-98-8	sec-Butylbenzene	ND	IS-LO	ug/kg dry	3.3	6.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:44	SS
100-42-5	Styrene	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:44	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	3.3	33	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/12/2019 07:30	03/12/2019 14:44	SS
98-06-6	tert-Butylbenzene	ND	IS-LO	ug/kg dry	3.3	6.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:44	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:44	SS
108-88-3	Toluene	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:44	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:44	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:44	SS



Sample Information

Client Sample ID: SB2 0-2'

York Sample ID: 19C0312-03

York Project (SDG) No.

19C0312

Client Project ID

Boemi 100 E. 149th St Bronx, NY

Matrix

Soil

Collection Date/Time

March 7, 2019 12:00 am

Date Received

03/08/2019

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
110-57-6	* trans-1,4-dichloro-2-butene	ND	IS-LO	ug/kg dry	3.3	6.5	1	EPA 8260C Certifications: CTDOH	03/12/2019 07:30	03/12/2019 14:44	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:44	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:44	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	3.3	6.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:44	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	9.8	20	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 14:44	SS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	105 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	115 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	131 %	S-09		76-130						

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/kg dry	47.1	93.9	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:48	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	93.9	188	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:48	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	47.1	93.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:48	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	47.1	93.9	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/13/2019 08:30	03/13/2019 21:48	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	47.1	93.9	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:48	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	47.1	93.9	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/13/2019 08:30	03/13/2019 21:48	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	47.1	93.9	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/13/2019 08:30	03/13/2019 21:48	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	93.9	188	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:48	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	47.1	93.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:48	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	47.1	93.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:48	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	47.1	93.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:48	SR



Sample Information

Client Sample ID: SB2 0-2'

York Sample ID: 19C0312-03

York Project (SDG) No.

19C0312

Client Project ID

Boemi 100 E. 149th St Bronx, NY

Matrix

Soil

Collection Date/Time

March 7, 2019 12:00 am

Date Received

03/08/2019

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	47.1	93.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:48	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	93.9	188	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:48	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	47.1	93.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:48	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	47.1	93.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:48	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	47.1	93.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:48	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	47.1	93.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:48	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	47.1	93.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:48	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	47.1	93.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:48	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	93.9	188	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:48	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	47.1	93.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:48	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	47.1	93.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:48	SR
91-94-1	3,3-Dichlorobenzidine	ND		ug/kg dry	47.1	93.9	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:48	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	93.9	188	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:48	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	93.9	188	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:48	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	47.1	93.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:48	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	47.1	93.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:48	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	47.1	93.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:48	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	47.1	93.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:48	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	93.9	188	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:48	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	93.9	188	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:48	SR
83-32-9	Acenaphthene	77.3	J	ug/kg dry	47.1	93.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:48	SR



Sample Information

Client Sample ID: SB2 0-2'

York Sample ID: 19C0312-03

York Project (SDG) No.

19C0312

Client Project ID

Boemi 100 E. 149th St Bronx, NY

Matrix

Soil

Collection Date/Time

March 7, 2019 12:00 am

Date Received

03/08/2019

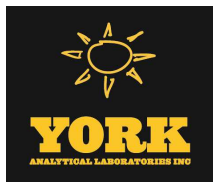
Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
208-96-8	Acenaphthylene	ND		ug/kg dry	47.1	93.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:48	SR
98-86-2	Acetophenone	ND		ug/kg dry	47.1	93.9	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:48	SR
62-53-3	Aniline	ND		ug/kg dry	188	376	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:48	SR
120-12-7	Anthracene	217		ug/kg dry	47.1	93.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:48	SR
1912-24-9	Atrazine	ND		ug/kg dry	47.1	93.9	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:48	SR
100-52-7	Benzaldehyde	ND		ug/kg dry	47.1	93.9	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:48	SR
92-87-5	Benzidine	ND		ug/kg dry	188	376	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	03/13/2019 08:30	03/13/2019 21:48	SR
56-55-3	Benzo(a)anthracene	756		ug/kg dry	47.1	93.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:48	SR
50-32-8	Benzo(a)pyrene	702		ug/kg dry	47.1	93.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:48	SR
205-99-2	Benzo(b)fluoranthene	609		ug/kg dry	47.1	93.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:48	SR
191-24-2	Benzo(g,h,i)perylene	408		ug/kg dry	47.1	93.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:48	SR
207-08-9	Benzo(k)fluoranthene	512		ug/kg dry	47.1	93.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:48	SR
65-85-0	Benzoic acid	ND		ug/kg dry	47.1	93.9	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:48	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	47.1	93.9	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:48	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	47.1	93.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:48	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	47.1	93.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:48	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	47.1	93.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:48	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	47.1	93.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:48	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	47.1	93.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:48	SR
105-60-2	Caprolactam	ND		ug/kg dry	93.9	188	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:48	SR
86-74-8	Carbazole	55.5	J	ug/kg dry	47.1	93.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:48	SR
218-01-9	Chrysene	671		ug/kg dry	47.1	93.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:48	SR



Sample Information

Client Sample ID: SB2 0-2'

York Sample ID: 19C0312-03

York Project (SDG) No.

19C0312

Client Project ID

Boemi 100 E. 149th St Bronx, NY

Matrix

Soil

Collection Date/Time

March 7, 2019 12:00 am

Date Received

03/08/2019

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
53-70-3	Dibenzo(a,h)anthracene	132		ug/kg dry	47.1	93.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:48	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	47.1	93.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:48	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	47.1	93.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:48	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	47.1	93.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:48	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	47.1	93.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:48	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	47.1	93.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:48	SR
206-44-0	Fluoranthene	1500		ug/kg dry	47.1	93.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:48	SR
86-73-7	Fluorene	71.3	J	ug/kg dry	47.1	93.9	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:48	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	47.1	93.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:48	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	47.1	93.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:48	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	47.1	93.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:48	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	47.1	93.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:48	SR
193-39-5	Indeno(1,2,3-cd)pyrene	449		ug/kg dry	47.1	93.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:48	SR
78-59-1	Isophorone	ND		ug/kg dry	47.1	93.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:48	SR
91-20-3	Naphthalene	ND		ug/kg dry	47.1	93.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:48	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	47.1	93.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:48	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	47.1	93.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:48	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	47.1	93.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:48	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	47.1	93.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:48	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	47.1	93.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:48	SR
85-01-8	Phenanthrene	898		ug/kg dry	47.1	93.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:48	SR
108-95-2	Phenol	ND		ug/kg dry	47.1	93.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:48	SR



Sample Information

Client Sample ID: SB2 0-2'

York Sample ID: 19C0312-03

York Project (SDG) No.

19C0312

Client Project ID

Boemi 100 E. 149th St Bronx, NY

Matrix

Soil

Collection Date/Time

March 7, 2019 12:00 am

Date Received

03/08/2019

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
129-00-0	Pyrene	1290		ug/kg dry	47.1	93.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 21:48	SR
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	47.4 %	20-108								
4165-62-2	Surrogate: SURR: Phenol-d5	46.7 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	52.2 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	49.4 %	21-113								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	62.0 %	19-110								
1718-51-0	Surrogate: SURR: Terphenyl-d14	61.3 %	24-116								

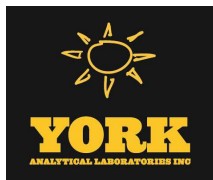
Pesticides, EPA TCL List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	8.91		ug/kg dry	0.743	0.743	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 06:46	CM
72-55-9	4,4'-DDE	ND		ug/kg dry	0.743	0.743	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 06:46	CM
50-29-3	4,4'-DDT	ND		ug/kg dry	0.743	0.743	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 06:46	CM
309-00-2	Aldrin	ND		ug/kg dry	0.743	0.743	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 06:46	CM
319-84-6	alpha-BHC	ND		ug/kg dry	0.743	0.743	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 06:46	CM
319-85-7	beta-BHC	ND		ug/kg dry	0.743	0.743	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 06:46	CM
57-74-9	Chlordane, total	ND		ug/kg dry	1.49	1.49	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 06:46	CM
319-86-8	delta-BHC	ND		ug/kg dry	0.743	0.743	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 06:46	CM
60-57-1	Dieldrin	ND		ug/kg dry	0.743	0.743	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 06:46	CM
959-98-8	Endosulfan I	ND		ug/kg dry	0.743	0.743	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 06:46	CM
33213-65-9	Endosulfan II	ND		ug/kg dry	0.743	0.743	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854	03/12/2019 14:23	03/14/2019 06:46	CM
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	0.743	0.743	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 06:46	CM
72-20-8	Endrin	ND		ug/kg dry	0.743	0.743	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 06:46	CM



Sample Information

Client Sample ID: SB2 0-2'

York Sample ID: 19C0312-03

York Project (SDG) No.

19C0312

Client Project ID

Boemi 100 E. 149th St Bronx, NY

Matrix

Soil

Collection Date/Time

March 7, 2019 12:00 am

Date Received

03/08/2019

Pesticides, EPA TCL List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7421-93-4	Endrin aldehyde	ND		ug/kg dry	0.743	0.743	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 06:46	CM
53494-70-5	Endrin ketone	ND		ug/kg dry	0.743	0.743	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 06:46	CM
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	0.743	0.743	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 06:46	CM
76-44-8	Heptachlor	ND		ug/kg dry	0.743	0.743	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 06:46	CM
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	0.743	0.743	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 06:46	CM
72-43-5	Methoxychlor	ND		ug/kg dry	3.71	3.71	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 06:46	CM
8001-35-2	Toxaphene	ND		ug/kg dry	37.6	37.6	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 06:46	CM
Surrogate Recoveries		Result			Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	58.3 %			30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	34.8 %			30-140						

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	03/12/2019 14:23	03/13/2019 22:25	TJD
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0188	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 22:25	TJD
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0188	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 22:25	TJD
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0188	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 22:25	TJD
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0188	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 22:25	TJD
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0188	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 22:25	TJD
11096-82-5	Aroclor 1260	0.0342		mg/kg dry	0.0188	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 22:25	TJD
1336-36-3	* Total PCBs	0.0342		mg/kg dry	0.0188	1	EPA 8082A Certifications:	03/12/2019 14:23	03/13/2019 22:25	TJD
Surrogate Recoveries		Result			Acceptance Range					
877-09-8	Surrogate: Tetrachloro-m-xylene	67.3 %			30-140					
2051-24-3	Surrogate: Decachlorobiphenyl	71.0 %			30-140					



Sample Information

Client Sample ID: SB2 0-2'

York Sample ID: 19C0312-03

York Project (SDG) No.

19C0312

Client Project ID

Boemi 100 E. 149th St Bronx, NY

Matrix

Soil

Collection Date/Time

March 7, 2019 12:00 am

Date Received

03/08/2019

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	4670		mg/kg dry	5.68	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:17	KML
7440-36-0	Antimony	ND		mg/kg dry	2.84	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:17	KML
7440-38-2	Arsenic	5.30		mg/kg dry	1.71	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:17	KML
7440-39-3	Barium	68.3		mg/kg dry	2.84	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:17	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.057	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:17	KML
7440-43-9	Cadmium	0.777		mg/kg dry	0.341	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:17	KML
7440-70-2	Calcium	50000		mg/kg dry	5.68	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:17	KML
7440-47-3	Chromium	9.40		mg/kg dry	0.568	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:17	KML
7440-48-4	Cobalt	4.88		mg/kg dry	0.455	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:17	KML
7440-50-8	Copper	31.5		mg/kg dry	2.27	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:17	KML
7439-89-6	Iron	11000		mg/kg dry	28.4	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:17	KML
7439-92-1	Lead	112		mg/kg dry	0.568	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:17	KML
7439-95-4	Magnesium	13000		mg/kg dry	5.68	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:17	KML
7439-96-5	Manganese	166		mg/kg dry	0.568	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:17	KML
7440-02-0	Nickel	11.9		mg/kg dry	1.14	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:17	KML
7440-09-7	Potassium	803		mg/kg dry	5.68	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:17	KML
7782-49-2	Selenium	5.24		mg/kg dry	2.84	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:17	KML
7440-22-4	Silver	ND		mg/kg dry	0.568	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:17	KML
7440-23-5	Sodium	202		mg/kg dry	56.8	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:17	KML
7440-28-0	Thallium	ND		mg/kg dry	2.84	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:17	KML
7440-62-2	Vanadium	24.4		mg/kg dry	1.14	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:17	KML
7440-66-6	Zinc	103		mg/kg dry	2.84	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:17	KML



Sample Information

Client Sample ID: SB2 0-2'

York Sample ID: 19C0312-03

York Project (SDG) No.

19C0312

Client Project ID

Boemi 100 E. 149th St Bronx, NY

Matrix

Soil

Collection Date/Time

March 7, 2019 12:00 am

Date Received

03/08/2019

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	0.0898		mg/kg dry	0.0341	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	03/11/2019 09:08	03/11/2019 10:03	SY

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	88.0		%	0.100	1	SM 2540G Certifications: CTDOH	03/11/2019 10:12	03/11/2019 14:01	JTV

Sample Information

Client Sample ID: SB2 10'

York Sample ID: 19C0312-04

York Project (SDG) No.

19C0312

Client Project ID

Boemi 100 E. 149th St Bronx, NY

Matrix

Soil

Collection Date/Time

March 7, 2019 12:00 am

Date Received

03/08/2019

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	730	1500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 15:12	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	730	1500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 15:12	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	730	1500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 15:12	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	730	1500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 15:12	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	730	1500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 15:12	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	730	1500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 15:12	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	730	1500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 15:12	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	730	1500	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAE	03/12/2019 07:30	03/12/2019 15:12	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	730	1500	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/12/2019 07:30	03/12/2019 15:12	SS



Sample Information

Client Sample ID: SB2 10'

York Sample ID: 19C0312-04

York Project (SDG) No.

19C0312

Client Project ID

Boemi 100 E. 149th St Bronx, NY

Matrix

Soil

Collection Date/Time

March 7, 2019 12:00 am

Date Received

03/08/2019

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
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	730	1500	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/12/2019 07:30	03/12/2019 15:12	SS
95-63-6	1,2,4-Trimethylbenzene	8200		ug/kg dry	730	1500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 15:12	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	730	1500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 15:12	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	730	1500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 15:12	SS
95-50-1	1,2-Dichlorobenzene	1200	J	ug/kg dry	730	1500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 15:12	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	730	1500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 15:12	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	730	1500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 15:12	SS
108-67-8	1,3,5-Trimethylbenzene	2400		ug/kg dry	730	1500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 15:12	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	730	1500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 15:12	SS
106-46-7	1,4-Dichlorobenzene	2500		ug/kg dry	730	1500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 15:12	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	15000	29000	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/12/2019 07:30	03/12/2019 15:12	SS
78-93-3	2-Butanone	ND		ug/kg dry	730	1500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 15:12	SS
591-78-6	2-Hexanone	ND		ug/kg dry	730	1500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 15:12	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	730	1500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 15:12	SS
67-64-1	Acetone	ND		ug/kg dry	1500	2900	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 15:12	SS
107-02-8	Acrolein	ND		ug/kg dry	1500	2900	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 15:12	SS
107-13-1	Acrylonitrile	ND		ug/kg dry	730	1500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 15:12	SS
71-43-2	Benzene	ND		ug/kg dry	730	1500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 15:12	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	730	1500	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/12/2019 07:30	03/12/2019 15:12	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	730	1500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 15:12	SS
75-25-2	Bromoform	ND		ug/kg dry	730	1500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 15:12	SS
74-83-9	Bromomethane	ND		ug/kg dry	730	1500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 15:12	SS



Sample Information

Client Sample ID: SB2 10'

York Sample ID: 19C0312-04

York Project (SDG) No.

19C0312

Client Project ID

Boemi 100 E. 149th St Bronx, NY

Matrix

Soil

Collection Date/Time

March 7, 2019 12:00 am

Date Received

03/08/2019

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
75-15-0	Carbon disulfide	ND		ug/kg dry	730	1500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 15:12	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	730	1500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 15:12	SS
108-90-7	Chlorobenzene	5500		ug/kg dry	730	1500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 15:12	SS
75-00-3	Chloroethane	ND		ug/kg dry	730	1500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 15:12	SS
67-66-3	Chloroform	ND		ug/kg dry	730	1500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 15:12	SS
74-87-3	Chloromethane	ND		ug/kg dry	730	1500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 15:12	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	730	1500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 15:12	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	730	1500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 15:12	SS
110-82-7	Cyclohexane	3600		ug/kg dry	730	1500	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/12/2019 07:30	03/12/2019 15:12	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	730	1500	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/12/2019 07:30	03/12/2019 15:12	SS
74-95-3	Dibromomethane	ND		ug/kg dry	730	1500	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/12/2019 07:30	03/12/2019 15:12	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	730	1500	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/12/2019 07:30	03/12/2019 15:12	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	730	1500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 15:12	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	730	1500	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/12/2019 07:30	03/12/2019 15:12	SS
98-82-8	Isopropylbenzene	2700		ug/kg dry	730	1500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 15:12	SS
79-20-9	Methyl acetate	ND		ug/kg dry	730	1500	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/12/2019 07:30	03/12/2019 15:12	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	730	1500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 15:12	SS
108-87-2	Methylcyclohexane	11000		ug/kg dry	730	1500	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/12/2019 07:30	03/12/2019 15:12	SS
75-09-2	Methylene chloride	ND		ug/kg dry	1500	2900	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 15:12	SS
104-51-8	n-Butylbenzene	2800		ug/kg dry	730	1500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 15:12	SS
103-65-1	n-Propylbenzene	6500		ug/kg dry	730	1500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 15:12	SS
95-47-6	o-Xylene	1000	J	ug/kg dry	730	1500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/12/2019 07:30	03/12/2019 15:12	SS



Sample Information

Client Sample ID: SB2 10'

York Sample ID: 19C0312-04

York Project (SDG) No.

19C0312

Client Project ID

Boemi 100 E. 149th St Bronx, NY

Matrix

Soil

Collection Date/Time

March 7, 2019 12:00 am

Date Received

03/08/2019

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
179601-23-1	p- & m- Xylenes	3900		ug/kg dry	1500	2900	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/12/2019 07:30	03/12/2019 15:12	SS
99-87-6	p-Isopropyltoluene	1500		ug/kg dry	730	1500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 15:12	SS
135-98-8	sec-Butylbenzene	2200		ug/kg dry	730	1500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 15:12	SS
100-42-5	Styrene	ND		ug/kg dry	730	1500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 15:12	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	730	7300	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/12/2019 07:30	03/12/2019 15:12	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	730	1500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 15:12	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	730	1500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 15:12	SS
108-88-3	Toluene	ND		ug/kg dry	730	1500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 15:12	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	730	1500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 15:12	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	730	1500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 15:12	SS
110-57-6	* trans-1,4-dichloro-2-butene	ND		ug/kg dry	730	1500	100	EPA 8260C Certifications: CTDOH	03/12/2019 07:30	03/12/2019 15:12	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	730	1500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 15:12	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	730	1500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 15:12	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	730	1500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 15:12	SS
1330-20-7	Xylenes, Total	4900		ug/kg dry	2200	4400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/12/2019 15:12	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	88.9 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	99.3 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	101 %	76-130								

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/kg dry	5100	10200	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:20	SR



Sample Information

Client Sample ID: SB2 10'

York Sample ID: 19C0312-04

York Project (SDG) No.

19C0312

Client Project ID

Boemi 100 E. 149th St Bronx, NY

Matrix

Soil

Collection Date/Time

March 7, 2019 12:00 am

Date Received

03/08/2019

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	10200	20300	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:20	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	5100	10200	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:20	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	5100	10200	10	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/13/2019 08:30	03/13/2019 22:20	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	5100	10200	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:20	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	5100	10200	10	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/13/2019 08:30	03/13/2019 22:20	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	5100	10200	10	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/13/2019 08:30	03/13/2019 22:20	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	10200	20300	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:20	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	5100	10200	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:20	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	5100	10200	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:20	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	5100	10200	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:20	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	5100	10200	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:20	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	10200	20300	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:20	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	5100	10200	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:20	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	5100	10200	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:20	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	5100	10200	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:20	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	5100	10200	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:20	SR
91-57-6	2-Methylnaphthalene	50800		ug/kg dry	5100	10200	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:20	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	5100	10200	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:20	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	10200	20300	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:20	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	5100	10200	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:20	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	5100	10200	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:20	SR



Sample Information

Client Sample ID: SB2 10'

York Sample ID: 19C0312-04

York Project (SDG) No.

19C0312

Client Project ID

Boemi 100 E. 149th St Bronx, NY

Matrix

Soil

Collection Date/Time

March 7, 2019 12:00 am

Date Received

03/08/2019

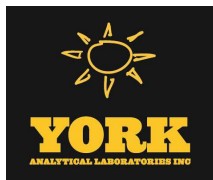
Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-94-1	3,3-Dichlorobenzidine	ND		ug/kg dry	5100	10200	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:20	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	10200	20300	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:20	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	10200	20300	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:20	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	5100	10200	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:20	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	5100	10200	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:20	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	5100	10200	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:20	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	5100	10200	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:20	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	10200	20300	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:20	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	10200	20300	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:20	SR
83-32-9	Acenaphthene	ND		ug/kg dry	5100	10200	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:20	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	5100	10200	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:20	SR
98-86-2	Acetophenone	ND		ug/kg dry	5100	10200	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:20	SR
62-53-3	Aniline	ND		ug/kg dry	20400	40800	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:20	SR
120-12-7	Anthracene	ND		ug/kg dry	5100	10200	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:20	SR
1912-24-9	Atrazine	ND		ug/kg dry	5100	10200	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:20	SR
100-52-7	Benzaldehyde	ND		ug/kg dry	5100	10200	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:20	SR
92-87-5	Benzidine	ND		ug/kg dry	20400	40800	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	03/13/2019 08:30	03/13/2019 22:20	SR
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	5100	10200	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:20	SR
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	5100	10200	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:20	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	5100	10200	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:20	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	5100	10200	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:20	SR



Sample Information

Client Sample ID: SB2 10'

York Sample ID: 19C0312-04

York Project (SDG) No.

19C0312

Client Project ID

Boemi 100 E. 149th St Bronx, NY

Matrix

Soil

Collection Date/Time

March 7, 2019 12:00 am

Date Received

03/08/2019

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	5100	10200	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:20	SR
65-85-0	Benzoic acid	ND		ug/kg dry	5100	10200	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:20	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	5100	10200	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:20	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	5100	10200	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:20	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	5100	10200	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:20	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	5100	10200	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:20	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	5100	10200	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:20	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	5100	10200	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:20	SR
105-60-2	Caprolactam	ND		ug/kg dry	10200	20300	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:20	SR
86-74-8	Carbazole	ND		ug/kg dry	5100	10200	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:20	SR
218-01-9	Chrysene	ND		ug/kg dry	5100	10200	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:20	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	5100	10200	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:20	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	5100	10200	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:20	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	5100	10200	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:20	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	5100	10200	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:20	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	5100	10200	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:20	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	5100	10200	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:20	SR
206-44-0	Fluoranthene	5610	J	ug/kg dry	5100	10200	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:20	SR
86-73-7	Fluorene	ND		ug/kg dry	5100	10200	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:20	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	5100	10200	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:20	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	5100	10200	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:20	SR



Sample Information

Client Sample ID: SB2 10'

York Sample ID: 19C0312-04

York Project (SDG) No.

19C0312

Client Project ID

Boemi 100 E. 149th St Bronx, NY

Matrix

Soil

Collection Date/Time

March 7, 2019 12:00 am

Date Received

03/08/2019

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	5100	10200	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:20	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	5100	10200	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:20	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	5100	10200	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:20	SR
78-59-1	Isophorone	ND		ug/kg dry	5100	10200	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:20	SR
91-20-3	Naphthalene	26300		ug/kg dry	5100	10200	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:20	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	5100	10200	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:20	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	5100	10200	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:20	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	5100	10200	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:20	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	5100	10200	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:20	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	5100	10200	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:20	SR
85-01-8	Phenanthrene	6920	J	ug/kg dry	5100	10200	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:20	SR
108-95-2	Phenol	ND		ug/kg dry	5100	10200	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:20	SR
129-00-0	Pyrene	8790	J	ug/kg dry	5100	10200	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:20	SR
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: SURR: 2-Fluorophenol	35.0 %			20-108						
4165-62-2	Surrogate: SURR: Phenol-d5	42.0 %			23-114						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	180 %	S-08		22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	62.0 %			21-113						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	72.0 %			19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	80.0 %			24-116						

Pesticides, EPA TCL List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.60	1.60	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 07:01	CM



Sample Information

Client Sample ID: SB2 10'

York Sample ID: 19C0312-04

York Project (SDG) No.

19C0312

Client Project ID

Boemi 100 E. 149th St Bronx, NY

Matrix

Soil

Collection Date/Time

March 7, 2019 12:00 am

Date Received

03/08/2019

Pesticides, EPA TCL List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-55-9	4,4'-DDE	ND		ug/kg dry	1.60	1.60	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 07:01	CM
50-29-3	4,4'-DDT	ND		ug/kg dry	1.60	1.60	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 07:01	CM
309-00-2	Aldrin	ND		ug/kg dry	1.60	1.60	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 07:01	CM
319-84-6	alpha-BHC	ND		ug/kg dry	1.60	1.60	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 07:01	CM
319-85-7	beta-BHC	ND		ug/kg dry	1.60	1.60	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 07:01	CM
57-74-9	Chlordane, total	ND		ug/kg dry	3.21	3.21	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 07:01	CM
319-86-8	delta-BHC	ND		ug/kg dry	1.60	1.60	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 07:01	CM
60-57-1	Dieldrin	ND		ug/kg dry	1.60	1.60	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 07:01	CM
959-98-8	Endosulfan I	ND		ug/kg dry	1.60	1.60	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 07:01	CM
33213-65-9	Endosulfan II	ND		ug/kg dry	1.60	1.60	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854	03/12/2019 14:23	03/14/2019 07:01	CM
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.60	1.60	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 07:01	CM
72-20-8	Endrin	ND		ug/kg dry	1.60	1.60	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 07:01	CM
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.60	1.60	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 07:01	CM
53494-70-5	Endrin ketone	ND		ug/kg dry	1.60	1.60	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 07:01	CM
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.60	1.60	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 07:01	CM
76-44-8	Heptachlor	ND		ug/kg dry	1.60	1.60	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 07:01	CM
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.60	1.60	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 07:01	CM
72-43-5	Methoxychlor	ND		ug/kg dry	8.02	8.02	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 07:01	CM
8001-35-2	Toxaphene	ND		ug/kg dry	81.1	81.1	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 07:01	CM
Surrogate Recoveries		Result		Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	56.2 %				30-140					
2051-24-3	Surrogate: Decachlorobiphenyl	13.7 %	S-GC			30-140					



Sample Information

Client Sample ID: SB2 10'

York Sample ID: 19C0312-04

York Project (SDG) No.
19C0312

Client Project ID
Boemi 100 E. 149th St Bronx, NY

Matrix
Soil

Collection Date/Time
March 7, 2019 12:00 am

Date Received
03/08/2019

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	0.0405	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 16:19	TJD
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0405	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 16:19	TJD
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0405	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 16:19	TJD
53469-21-9	Aroclor 1242	3.10		mg/kg dry	0.0405	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 16:19	TJD
12672-29-6	Aroclor 1248	2.92		mg/kg dry	0.0405	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 16:19	TJD
11097-69-1	Aroclor 1254	1.51		mg/kg dry	0.0405	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 16:19	TJD
11096-82-5	Aroclor 1260	0.934		mg/kg dry	0.0405	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 16:19	TJD
1336-36-3	* Total PCBs	8.46		mg/kg dry	0.0405	1	EPA 8082A Certifications:	03/12/2019 14:23	03/14/2019 16:19	TJD
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	43.9 %		30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	26.1 %	S-GC	30-140						

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	8690		mg/kg dry	8.22	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:19	KML
7440-36-0	Antimony	5.42		mg/kg dry	4.11	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:19	KML
7440-38-2	Arsenic	35.8		mg/kg dry	2.47	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:19	KML
7440-39-3	Barium	1110		mg/kg dry	4.11	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:19	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.082	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:19	KML
7440-43-9	Cadmium	16.5		mg/kg dry	0.493	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:19	KML
7440-70-2	Calcium	17900		mg/kg dry	8.22	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:19	KML
7440-47-3	Chromium	54.2		mg/kg dry	0.822	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:19	KML
7440-48-4	Cobalt	8.90		mg/kg dry	0.658	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:19	KML
7440-50-8	Copper	267		mg/kg dry	3.29	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:19	KML



Sample Information

Client Sample ID: SB2 10'

York Sample ID: 19C0312-04

York Project (SDG) No.

19C0312

Client Project ID

Boemi 100 E. 149th St Bronx, NY

Matrix

Soil

Collection Date/Time

March 7, 2019 12:00 am

Date Received

03/08/2019

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	30400		mg/kg dry	41.1	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:19	KML
7439-92-1	Lead	10700		mg/kg dry	0.822	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:19	KML
7439-95-4	Magnesium	2470		mg/kg dry	8.22	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:19	KML
7439-96-5	Manganese	223		mg/kg dry	0.822	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:19	KML
7440-02-0	Nickel	62.5		mg/kg dry	1.64	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:19	KML
7440-09-7	Potassium	1460		mg/kg dry	8.22	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:19	KML
7782-49-2	Selenium	ND		mg/kg dry	4.11	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:19	KML
7440-22-4	Silver	ND		mg/kg dry	0.822	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:19	KML
7440-23-5	Sodium	1690		mg/kg dry	82.2	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:19	KML
7440-28-0	Thallium	ND		mg/kg dry	4.11	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:19	KML
7440-62-2	Vanadium	45.7		mg/kg dry	1.64	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:19	KML
7440-66-6	Zinc	2090		mg/kg dry	4.11	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:19	KML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.716		mg/kg dry	0.0493	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	03/11/2019 09:08	03/11/2019 10:11	SY

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	60.8		%	0.100	1	SM 2540G Certifications: CTDOH	03/11/2019 10:12	03/11/2019 14:01	JTV



Sample Information

Client Sample ID: SB3 0-2'

York Sample ID: 19C0312-05

York Project (SDG) No.

19C0312

Client Project ID

Boemi 100 E. 149th St Bronx, NY

Matrix

Soil

Collection Date/Time

March 7, 2019 12:00 am

Date Received

03/08/2019

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:14	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:14	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:14	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:14	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:14	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:14	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:14	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/11/2019 07:30	03/11/2019 17:14	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/11/2019 07:30	03/11/2019 17:14	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/11/2019 07:30	03/11/2019 17:14	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:14	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:14	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:14	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:14	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:14	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:14	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:14	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:14	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:14	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	66	130	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/11/2019 07:30	03/11/2019 17:14	SS
78-93-3	2-Butanone	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:14	SS



Sample Information

Client Sample ID: SB3 0-2'

York Sample ID: 19C0312-05

York Project (SDG) No.

19C0312

Client Project ID

Boemi 100 E. 149th St Bronx, NY

Matrix

Soil

Collection Date/Time

March 7, 2019 12:00 am

Date Received

03/08/2019

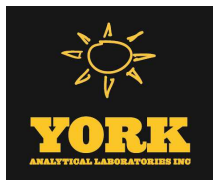
Volatile Organics, 8260 - Comprehensive

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		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:14	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:14	SS
67-64-1	Acetone	8.5	J	ug/kg dry	6.6	13	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:14	SS
107-02-8	Acrolein	ND		ug/kg dry	6.6	13	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:14	SS
107-13-1	Acrylonitrile	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:14	SS
71-43-2	Benzene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:14	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/11/2019 07:30	03/11/2019 17:14	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:14	SS
75-25-2	Bromoform	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:14	SS
74-83-9	Bromomethane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:14	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:14	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:14	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:14	SS
75-00-3	Chloroethane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:14	SS
67-66-3	Chloroform	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:14	SS
74-87-3	Chloromethane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:14	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:14	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:14	SS
110-82-7	Cyclohexane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/11/2019 07:30	03/11/2019 17:14	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/11/2019 07:30	03/11/2019 17:14	SS
74-95-3	Dibromomethane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/11/2019 07:30	03/11/2019 17:14	SS



Sample Information

Client Sample ID: SB3 0-2'

York Sample ID: 19C0312-05

York Project (SDG) No.

19C0312

Client Project ID

Boemi 100 E. 149th St Bronx, NY

Matrix

Soil

Collection Date/Time

March 7, 2019 12:00 am

Date Received

03/08/2019

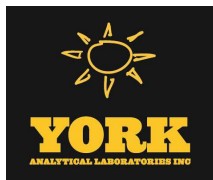
Volatile Organics, 8260 - Comprehensive

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
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/11/2019 07:30	03/11/2019 17:14	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:14	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/11/2019 07:30	03/11/2019 17:14	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:14	SS
79-20-9	Methyl acetate	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/11/2019 07:30	03/11/2019 17:14	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:14	SS
108-87-2	Methylcyclohexane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/11/2019 07:30	03/11/2019 17:14	SS
75-09-2	Methylene chloride	ND		ug/kg dry	6.6	13	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:14	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:14	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:14	SS
95-47-6	o-Xylene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/11/2019 07:30	03/11/2019 17:14	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	6.6	13	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/11/2019 07:30	03/11/2019 17:14	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:14	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:14	SS
100-42-5	Styrene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:14	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	3.3	33	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/11/2019 07:30	03/11/2019 17:14	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:14	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:14	SS
108-88-3	Toluene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:14	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:14	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:14	SS



Sample Information

Client Sample ID: SB3 0-2'

York Sample ID: 19C0312-05

York Project (SDG) No.

19C0312

Client Project ID

Boemi 100 E. 149th St Bronx, NY

Matrix

Soil

Collection Date/Time

March 7, 2019 12:00 am

Date Received

03/08/2019

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
110-57-6	* trans-1,4-dichloro-2-butene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH	03/11/2019 07:30	03/11/2019 17:14	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:14	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:14	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:14	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	10	20	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:14	SS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	99.4 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	102 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	106 %			76-130						

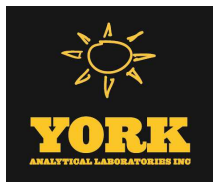
Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/kg dry	50.8	101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:51	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	101	203	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:51	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	50.8	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:51	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	50.8	101	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/13/2019 08:30	03/13/2019 22:51	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	50.8	101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:51	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	50.8	101	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/13/2019 08:30	03/13/2019 22:51	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	50.8	101	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/13/2019 08:30	03/13/2019 22:51	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	101	203	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:51	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	50.8	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:51	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	50.8	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:51	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	50.8	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:51	SR



Sample Information

Client Sample ID: SB3 0-2'

York Sample ID: 19C0312-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C0312

Boemi 100 E. 149th St Bronx, NY

Soil

March 7, 2019 12:00 am

03/08/2019

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	50.8	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:51	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	101	203	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:51	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	50.8	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:51	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	50.8	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:51	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	50.8	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:51	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	50.8	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:51	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	50.8	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:51	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	50.8	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:51	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	101	203	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:51	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	50.8	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:51	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	50.8	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:51	SR
91-94-1	3,3-Dichlorobenzidine	ND		ug/kg dry	50.8	101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:51	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	101	203	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:51	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	101	203	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:51	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	50.8	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:51	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	50.8	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:51	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	50.8	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:51	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	50.8	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:51	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	101	203	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:51	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	101	203	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:51	SR
83-32-9	Acenaphthene	543		ug/kg dry	50.8	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:51	SR
208-96-8	Acenaphthylene	117		ug/kg dry	50.8	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:51	SR



Sample Information

Client Sample ID: SB3 0-2'

York Sample ID: 19C0312-05

York Project (SDG) No.

19C0312

Client Project ID

Boemi 100 E. 149th St Bronx, NY

Matrix

Soil

Collection Date/Time

March 7, 2019 12:00 am

Date Received

03/08/2019

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-86-2	Acetophenone	ND		ug/kg dry	50.8	101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:51	SR
62-53-3	Aniline	ND		ug/kg dry	203	406	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:51	SR
120-12-7	Anthracene	1520		ug/kg dry	50.8	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:51	SR
1912-24-9	Atrazine	ND		ug/kg dry	50.8	101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:51	SR
100-52-7	Benzaldehyde	ND		ug/kg dry	50.8	101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:51	SR
92-87-5	Benzidine	ND		ug/kg dry	203	406	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	03/13/2019 08:30	03/13/2019 22:51	SR
56-55-3	Benzo(a)anthracene	4590		ug/kg dry	254	507	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/14/2019 12:31	SR
50-32-8	Benzo(a)pyrene	4570		ug/kg dry	254	507	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/14/2019 12:31	SR
205-99-2	Benzo(b)fluoranthene	3180		ug/kg dry	254	507	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/14/2019 12:31	SR
191-24-2	Benzo(g,h,i)perylene	2170		ug/kg dry	50.8	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:51	SR
207-08-9	Benzo(k)fluoranthene	3010		ug/kg dry	50.8	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:51	SR
65-85-0	Benzoic acid	ND		ug/kg dry	50.8	101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:51	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	50.8	101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:51	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	50.8	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:51	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	50.8	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:51	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	50.8	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:51	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	50.8	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:51	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	50.8	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:51	SR
105-60-2	Caprolactam	ND		ug/kg dry	101	203	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:51	SR
86-74-8	Carbazole	327		ug/kg dry	50.8	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:51	SR
218-01-9	Chrysene	4040		ug/kg dry	254	507	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/14/2019 12:31	SR
53-70-3	Dibenzo(a,h)anthracene	736		ug/kg dry	50.8	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:51	SR



Sample Information

Client Sample ID: SB3 0-2'

York Sample ID: 19C0312-05

York Project (SDG) No.

19C0312

Client Project ID

Boemi 100 E. 149th St Bronx, NY

Matrix

Soil

Collection Date/Time

March 7, 2019 12:00 am

Date Received

03/08/2019

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
132-64-9	Dibenzofuran	148		ug/kg dry	50.8	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:51	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	50.8	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:51	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	50.8	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:51	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	50.8	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:51	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	50.8	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:51	SR
206-44-0	Fluoranthene	8850		ug/kg dry	254	507	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/14/2019 12:31	SR
86-73-7	Fluorene	501		ug/kg dry	50.8	101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:51	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	50.8	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:51	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	50.8	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:51	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	50.8	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:51	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	50.8	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:51	SR
193-39-5	Indeno(1,2,3-cd)pyrene	2600		ug/kg dry	50.8	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:51	SR
78-59-1	Isophorone	ND		ug/kg dry	50.8	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:51	SR
91-20-3	Naphthalene	ND		ug/kg dry	50.8	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:51	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	50.8	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:51	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	50.8	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:51	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	50.8	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:51	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	50.8	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:51	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	50.8	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:51	SR
85-01-8	Phenanthrene	5920		ug/kg dry	254	507	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/14/2019 12:31	SR
108-95-2	Phenol	ND		ug/kg dry	50.8	101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 22:51	SR
129-00-0	Pyrene	9010		ug/kg dry	254	507	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/14/2019 12:31	SR



Sample Information

Client Sample ID: SB3 0-2'

York Sample ID: 19C0312-05

York Project (SDG) No.

19C0312

Client Project ID

Boemi 100 E. 149th St Bronx, NY

Matrix

Soil

Collection Date/Time

March 7, 2019 12:00 am

Date Received

03/08/2019

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: SURR: 2-Fluorophenol	74.8 %			20-108						
4165-62-2	Surrogate: SURR: Phenol-d5	70.4 %			23-114						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	72.6 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	70.3 %			21-113						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	93.8 %			19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	86.2 %			24-116						

Pesticides, EPA TCL List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	0.792	0.792	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 19:40	CM
72-55-9	4,4'-DDE	ND		ug/kg dry	0.792	0.792	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 19:40	CM
50-29-3	4,4'-DDT	ND		ug/kg dry	0.792	0.792	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 19:40	CM
309-00-2	Aldrin	ND		ug/kg dry	0.792	0.792	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 19:40	CM
319-84-6	alpha-BHC	ND		ug/kg dry	0.792	0.792	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 19:40	CM
319-85-7	beta-BHC	ND		ug/kg dry	0.792	0.792	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 19:40	CM
57-74-9	Chlordane, total	ND		ug/kg dry	1.58	1.58	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 19:40	CM
319-86-8	delta-BHC	ND		ug/kg dry	0.792	0.792	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 19:40	CM
60-57-1	Dieldrin	ND		ug/kg dry	0.792	0.792	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 19:40	CM
959-98-8	Endosulfan I	ND		ug/kg dry	0.792	0.792	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 19:40	CM
33213-65-9	Endosulfan II	ND		ug/kg dry	0.792	0.792	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854	03/12/2019 14:23	03/13/2019 19:40	CM
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	0.792	0.792	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 19:40	CM
72-20-8	Endrin	ND		ug/kg dry	0.792	0.792	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 19:40	CM
7421-93-4	Endrin aldehyde	ND		ug/kg dry	0.792	0.792	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 19:40	CM



Sample Information

Client Sample ID: SB3 0-2'

York Sample ID: 19C0312-05

York Project (SDG) No.
19C0312

Client Project ID
Boemi 100 E. 149th St Bronx, NY

Matrix
Soil

Collection Date/Time
March 7, 2019 12:00 am

Date Received
03/08/2019

Pesticides, EPA TCL List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
53494-70-5	Endrin ketone	ND		ug/kg dry	0.792	0.792	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 19:40	CM
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	0.792	0.792	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 19:40	CM
76-44-8	Heptachlor	ND		ug/kg dry	0.792	0.792	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 19:40	CM
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	0.792	0.792	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 19:40	CM
72-43-5	Methoxychlor	ND		ug/kg dry	3.96	3.96	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 19:40	CM
8001-35-2	Toxaphene	ND		ug/kg dry	40.1	40.1	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 19:40	CM
Surrogate Recoveries		Result		Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	36.2 %				30-140					
2051-24-3	Surrogate: Decachlorobiphenyl	24.9 %	S-GC			30-140					

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	0.0200	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 22:52	TJD
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0200	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 22:52	TJD
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0200	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 22:52	TJD
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0200	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 22:52	TJD
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0200	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 22:52	TJD
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0200	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 22:52	TJD
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0200	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 22:52	TJD
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0200	1	EPA 8082A Certifications:	03/12/2019 14:23	03/13/2019 22:52	TJD
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	33.2 %				30-140				
2051-24-3	Surrogate: Decachlorobiphenyl	27.9 %	S-GC			30-140				



Sample Information

Client Sample ID: SB3 0-2'

York Sample ID: 19C0312-05

York Project (SDG) No.

19C0312

Client Project ID

Boemi 100 E. 149th St Bronx, NY

Matrix

Soil

Collection Date/Time

March 7, 2019 12:00 am

Date Received

03/08/2019

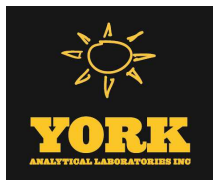
Metals, Target Analyte

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	8820		mg/kg dry	6.10	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:21	KML
7440-36-0	Antimony	ND		mg/kg dry	3.05	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:21	KML
7440-38-2	Arsenic	2.61		mg/kg dry	1.83	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:21	KML
7440-39-3	Barium	86.2		mg/kg dry	3.05	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:21	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.061	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:21	KML
7440-43-9	Cadmium	ND		mg/kg dry	0.366	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:21	KML
7440-70-2	Calcium	6480		mg/kg dry	6.10	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:21	KML
7440-47-3	Chromium	13.6		mg/kg dry	0.610	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:21	KML
7440-48-4	Cobalt	6.83		mg/kg dry	0.488	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:21	KML
7440-50-8	Copper	35.0		mg/kg dry	2.44	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:21	KML
7439-89-6	Iron	14000		mg/kg dry	30.5	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:21	KML
7439-92-1	Lead	238		mg/kg dry	0.610	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:21	KML
7439-95-4	Magnesium	3660		mg/kg dry	6.10	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:21	KML
7439-96-5	Manganese	117		mg/kg dry	0.610	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:21	KML
7440-02-0	Nickel	14.0		mg/kg dry	1.22	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:21	KML
7440-09-7	Potassium	1000		mg/kg dry	6.10	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:21	KML
7782-49-2	Selenium	ND		mg/kg dry	3.05	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:21	KML
7440-22-4	Silver	ND		mg/kg dry	0.610	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:21	KML
7440-23-5	Sodium	214		mg/kg dry	61.0	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:21	KML
7440-28-0	Thallium	ND		mg/kg dry	3.05	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:21	KML
7440-62-2	Vanadium	18.8		mg/kg dry	1.22	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:21	KML
7440-66-6	Zinc	107		mg/kg dry	3.05	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:21	KML



Sample Information

Client Sample ID: SB3 0-2'

York Sample ID: 19C0312-05

York Project (SDG) No.

19C0312

Client Project ID

Boemi 100 E. 149th St Bronx, NY

Matrix

Soil

Collection Date/Time

March 7, 2019 12:00 am

Date Received

03/08/2019

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	0.0366	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	03/11/2019 09:08	03/11/2019 10:21	SY

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	82.0		%	0.100	1	SM 2540G Certifications: CTDOH	03/11/2019 10:12	03/11/2019 14:01	JTV

Sample Information

Client Sample ID: SB3 10'

York Sample ID: 19C0312-06

York Project (SDG) No.

19C0312

Client Project ID

Boemi 100 E. 149th St Bronx, NY

Matrix

Soil

Collection Date/Time

March 7, 2019 12:00 am

Date Received

03/08/2019

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:42	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:42	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:42	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:42	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:42	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:42	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:42	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAE	03/11/2019 07:30	03/11/2019 17:42	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/11/2019 07:30	03/11/2019 17:42	SS



Sample Information

Client Sample ID: SB3 10'

York Sample ID: 19C0312-06

York Project (SDG) No.

19C0312

Client Project ID

Boemi 100 E. 149th St Bronx, NY

Matrix

Soil

Collection Date/Time

March 7, 2019 12:00 am

Date Received

03/08/2019

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
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/11/2019 07:30	03/11/2019 17:42	SS
95-63-6	1,2,4-Trimethylbenzene	4.6	J	ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:42	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:42	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:42	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:42	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:42	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:42	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:42	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:42	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:42	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	50	99	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/11/2019 07:30	03/11/2019 17:42	SS
78-93-3	2-Butanone	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:42	SS
591-78-6	2-Hexanone	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:42	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:42	SS
67-64-1	Acetone	ND		ug/kg dry	5.0	9.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:42	SS
107-02-8	Acrolein	ND		ug/kg dry	5.0	9.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:42	SS
107-13-1	Acrylonitrile	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:42	SS
71-43-2	Benzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:42	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/11/2019 07:30	03/11/2019 17:42	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:42	SS
75-25-2	Bromoform	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:42	SS



Sample Information

Client Sample ID: SB3 10'

York Sample ID: 19C0312-06

York Project (SDG) No.

19C0312

Client Project ID

Boemi 100 E. 149th St Bronx, NY

Matrix

Soil

Collection Date/Time

March 7, 2019 12:00 am

Date Received

03/08/2019

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
74-83-9	Bromomethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:42	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:42	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:42	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:42	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:42	SS
67-66-3	Chloroform	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:42	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:42	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:42	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:42	SS
110-82-7	Cyclohexane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/11/2019 07:30	03/11/2019 17:42	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/11/2019 07:30	03/11/2019 17:42	SS
74-95-3	Dibromomethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/11/2019 07:30	03/11/2019 17:42	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/11/2019 07:30	03/11/2019 17:42	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:42	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/11/2019 07:30	03/11/2019 17:42	SS
98-82-8	Isopropylbenzene	3.7	J	ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:42	SS
79-20-9	Methyl acetate	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/11/2019 07:30	03/11/2019 17:42	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:42	SS
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/11/2019 07:30	03/11/2019 17:42	SS
75-09-2	Methylene chloride	ND		ug/kg dry	5.0	9.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:42	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:42	SS
103-65-1	n-Propylbenzene	12		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:42	SS



Sample Information

Client Sample ID: SB3 10'

York Sample ID: 19C0312-06

York Project (SDG) No.

19C0312

Client Project ID

Boemi 100 E. 149th St Bronx, NY

Matrix

Soil

Collection Date/Time

March 7, 2019 12:00 am

Date Received

03/08/2019

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
95-47-6	o-Xylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/11/2019 07:30	03/11/2019 17:42	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.0	9.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/11/2019 07:30	03/11/2019 17:42	SS
99-87-6	p-Isopropyltoluene	3.9	J	ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:42	SS
135-98-8	sec-Butylbenzene	4.1	J	ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:42	SS
100-42-5	Styrene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:42	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.5	25	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/11/2019 07:30	03/11/2019 17:42	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:42	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:42	SS
108-88-3	Toluene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:42	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:42	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:42	SS
110-57-6	* trans-1,4-dichloro-2-butene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH	03/11/2019 07:30	03/11/2019 17:42	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:42	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:42	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:42	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	7.4	15	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 17:42	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	103 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	113 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	129 %	76-130								

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

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

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: SB3 10'

York Sample ID: 19C0312-06

York Project (SDG) No.

19C0312

Client Project ID

Boemi 100 E. 149th St Bronx, NY

Matrix

Soil

Collection Date/Time

March 7, 2019 12:00 am

Date Received

03/08/2019

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	50.2	J	ug/kg dry	49.2	98.1	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:22	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	98.1	196	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:22	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	49.2	98.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:22	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	49.2	98.1	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/13/2019 08:30	03/13/2019 23:22	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	49.2	98.1	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:22	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	49.2	98.1	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/13/2019 08:30	03/13/2019 23:22	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	49.2	98.1	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/13/2019 08:30	03/13/2019 23:22	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	98.1	196	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:22	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	49.2	98.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:22	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	49.2	98.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:22	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	49.2	98.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:22	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	49.2	98.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:22	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	98.1	196	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:22	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	49.2	98.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:22	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	49.2	98.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:22	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	49.2	98.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:22	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	49.2	98.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:22	SR
91-57-6	2-Methylnaphthalene	169		ug/kg dry	49.2	98.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:22	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	49.2	98.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:22	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	98.1	196	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:22	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	49.2	98.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:22	SR



Sample Information

Client Sample ID: SB3 10'

York Sample ID: 19C0312-06

York Project (SDG) No.

19C0312

Client Project ID

Boemi 100 E. 149th St Bronx, NY

Matrix

Soil

Collection Date/Time

March 7, 2019 12:00 am

Date Received

03/08/2019

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	49.2	98.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:22	SR
91-94-1	3,3-Dichlorobenzidine	ND		ug/kg dry	49.2	98.1	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:22	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	98.1	196	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:22	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	98.1	196	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:22	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	49.2	98.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:22	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	49.2	98.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:22	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	49.2	98.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:22	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	49.2	98.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:22	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	98.1	196	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:22	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	98.1	196	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:22	SR
83-32-9	Acenaphthene	169		ug/kg dry	49.2	98.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:22	SR
208-96-8	Acenaphthylene	143		ug/kg dry	49.2	98.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:22	SR
98-86-2	Acetophenone	ND		ug/kg dry	49.2	98.1	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:22	SR
62-53-3	Aniline	ND		ug/kg dry	196	393	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:22	SR
120-12-7	Anthracene	540		ug/kg dry	49.2	98.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:22	SR
1912-24-9	Atrazine	ND		ug/kg dry	49.2	98.1	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:22	SR
100-52-7	Benzaldehyde	ND		ug/kg dry	49.2	98.1	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:22	SR
92-87-5	Benzidine	ND		ug/kg dry	196	393	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:22	SR
56-55-3	Benzo(a)anthracene	3020		ug/kg dry	49.2	98.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:22	SR
50-32-8	Benzo(a)pyrene	8570		ug/kg dry	246	490	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/14/2019 13:03	SR
205-99-2	Benzo(b)fluoranthene	5230		ug/kg dry	246	490	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/14/2019 13:03	SR
191-24-2	Benzo(g,h,i)perylene	7370		ug/kg dry	246	490	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/14/2019 13:03	SR



Sample Information

Client Sample ID: SB3 10'

York Sample ID: 19C0312-06

York Project (SDG) No.

19C0312

Client Project ID

Boemi 100 E. 149th St Bronx, NY

Matrix

Soil

Collection Date/Time

March 7, 2019 12:00 am

Date Received

03/08/2019

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
207-08-9	Benzo(k)fluoranthene	4270		ug/kg dry	246	490	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/14/2019 13:03	SR
65-85-0	Benzoic acid	ND		ug/kg dry	49.2	98.1	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:22	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	49.2	98.1	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:22	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	49.2	98.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:22	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	49.2	98.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:22	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	49.2	98.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:22	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	49.2	98.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:22	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	49.2	98.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:22	SR
105-60-2	Caprolactam	ND		ug/kg dry	98.1	196	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:22	SR
86-74-8	Carbazole	212		ug/kg dry	49.2	98.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:22	SR
218-01-9	Chrysene	2670		ug/kg dry	49.2	98.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:22	SR
53-70-3	Dibenzo(a,h)anthracene	1500		ug/kg dry	49.2	98.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:22	SR
132-64-9	Dibenzofuran	172		ug/kg dry	49.2	98.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:22	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	49.2	98.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:22	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	49.2	98.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:22	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	49.2	98.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:22	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	49.2	98.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:22	SR
206-44-0	Fluoranthene	3880		ug/kg dry	246	490	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/14/2019 13:03	SR
86-73-7	Fluorene	173		ug/kg dry	49.2	98.1	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:22	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	49.2	98.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:22	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	49.2	98.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:22	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	49.2	98.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:22	SR



Sample Information

Client Sample ID: SB3 10'

York Sample ID: 19C0312-06

York Project (SDG) No.

19C0312

Client Project ID

Boemi 100 E. 149th St Bronx, NY

Matrix

Soil

Collection Date/Time

March 7, 2019 12:00 am

Date Received

03/08/2019

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-72-1	Hexachloroethane	ND		ug/kg dry	49.2	98.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:22	SR
193-39-5	Indeno(1,2,3-cd)pyrene	7570	CCV-E	ug/kg dry	246	490	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/14/2019 13:03	SR
78-59-1	Isophorone	ND		ug/kg dry	49.2	98.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:22	SR
91-20-3	Naphthalene	1010		ug/kg dry	49.2	98.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:22	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	49.2	98.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:22	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	49.2	98.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:22	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	49.2	98.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:22	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	49.2	98.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:22	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	49.2	98.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:22	SR
85-01-8	Phenanthrene	1800		ug/kg dry	49.2	98.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:22	SR
108-95-2	Phenol	ND		ug/kg dry	49.2	98.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:22	SR
129-00-0	Pyrene	4040		ug/kg dry	246	490	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/14/2019 13:03	SR
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	70.2 %	20-108								
4165-62-2	Surrogate: SURR: Phenol-d5	65.9 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	71.3 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	63.7 %	21-113								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	80.3 %	19-110								
1718-51-0	Surrogate: SURR: Terphenyl-d14	73.3 %	24-116								

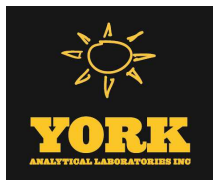
Pesticides, EPA TCL List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	0.784	0.784	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 19:55	CM
72-55-9	4,4'-DDE	ND		ug/kg dry	0.784	0.784	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 19:55	CM
50-29-3	4,4'-DDT	ND		ug/kg dry	0.784	0.784	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 19:55	CM



Sample Information

Client Sample ID: SB3 10'

York Sample ID: 19C0312-06

York Project (SDG) No.
19C0312

Client Project ID
Boemi 100 E. 149th St Bronx, NY

Matrix
Soil

Collection Date/Time
March 7, 2019 12:00 am

Date Received
03/08/2019

Pesticides, EPA TCL List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		ug/kg dry	0.784	0.784	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 19:55	CM
319-84-6	alpha-BHC	ND		ug/kg dry	0.784	0.784	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 19:55	CM
319-85-7	beta-BHC	ND		ug/kg dry	0.784	0.784	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 19:55	CM
57-74-9	Chlordane, total	ND		ug/kg dry	1.57	1.57	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 19:55	CM
319-86-8	delta-BHC	ND		ug/kg dry	0.784	0.784	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 19:55	CM
60-57-1	Dieldrin	ND		ug/kg dry	0.784	0.784	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 19:55	CM
959-98-8	Endosulfan I	ND		ug/kg dry	0.784	0.784	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 19:55	CM
33213-65-9	Endosulfan II	ND		ug/kg dry	0.784	0.784	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854	03/12/2019 14:23	03/13/2019 19:55	CM
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	0.784	0.784	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 19:55	CM
72-20-8	Endrin	ND		ug/kg dry	0.784	0.784	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 19:55	CM
7421-93-4	Endrin aldehyde	ND		ug/kg dry	0.784	0.784	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 19:55	CM
53494-70-5	Endrin ketone	ND		ug/kg dry	0.784	0.784	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 19:55	CM
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	0.784	0.784	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 19:55	CM
76-44-8	Heptachlor	ND		ug/kg dry	0.784	0.784	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 19:55	CM
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	0.784	0.784	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 19:55	CM
72-43-5	Methoxychlor	ND		ug/kg dry	3.92	3.92	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 19:55	CM
8001-35-2	Toxaphene	ND		ug/kg dry	39.7	39.7	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 19:55	CM
Surrogate Recoveries		Result	Acceptance Range								
877-09-8	Surrogate: Tetrachloro-m-xylene	60.5 %	30-140								
2051-24-3	Surrogate: Decachlorobiphenyl	49.9 %	30-140								

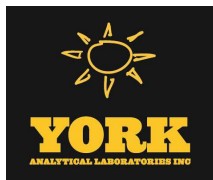
Polychlorinated Biphenyls (PCB)

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
120 RESEARCH DRIVE	STRATFORD, CT 06615									
www.YORKLAB.com	(203) 325-1371									
132-02 89th AVENUE										
FAX (203) 357-0166										
RICHMOND HILL, NY 11418										
ClientServices@yorklab.com										



Sample Information

Client Sample ID: SB3 10'

York Sample ID: 19C0312-06

York Project (SDG) No.
19C0312

Client Project ID
Boemi 100 E. 149th St Bronx, NY

Matrix
Soil

Collection Date/Time
March 7, 2019 12:00 am

Date Received
03/08/2019

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	0.0198	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 23:05	TJD
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0198	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 23:05	TJD
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0198	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 23:05	TJD
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0198	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 23:05	TJD
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0198	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 23:05	TJD
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0198	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 23:05	TJD
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0198	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 23:05	TJD
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0198	1	EPA 8082A Certifications:	03/12/2019 14:23	03/13/2019 23:05	TJD
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	56.1 %	30-140							
2051-24-3	Surrogate: Decachlorobiphenyl	47.8 %	30-140							

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	7930		mg/kg dry	5.96	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:23	KML
7440-36-0	Antimony	ND		mg/kg dry	2.98	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:23	KML
7440-38-2	Arsenic	4.77		mg/kg dry	1.79	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:23	KML
7440-39-3	Barium	87.2		mg/kg dry	2.98	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:23	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.060	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:23	KML
7440-43-9	Cadmium	0.914		mg/kg dry	0.358	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:23	KML
7440-70-2	Calcium	7780		mg/kg dry	5.96	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:23	KML
7440-47-3	Chromium	19.8		mg/kg dry	0.596	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:23	KML
7440-48-4	Cobalt	9.46		mg/kg dry	0.477	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:23	KML



Sample Information

Client Sample ID: SB3 10'

York Sample ID: 19C0312-06

York Project (SDG) No.

19C0312

Client Project ID

Boemi 100 E. 149th St Bronx, NY

Matrix

Soil

Collection Date/Time

March 7, 2019 12:00 am

Date Received

03/08/2019

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-50-8	Copper	209		mg/kg dry	2.38	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:23	KML
7439-89-6	Iron	16700		mg/kg dry	29.8	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:23	KML
7439-92-1	Lead	173		mg/kg dry	0.596	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:23	KML
7439-95-4	Magnesium	3310		mg/kg dry	5.96	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:23	KML
7439-96-5	Manganese	348		mg/kg dry	0.596	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:23	KML
7440-02-0	Nickel	28.3		mg/kg dry	1.19	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:23	KML
7440-09-7	Potassium	2500		mg/kg dry	5.96	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:23	KML
7782-49-2	Selenium	ND		mg/kg dry	2.98	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:23	KML
7440-22-4	Silver	ND		mg/kg dry	0.596	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:23	KML
7440-23-5	Sodium	179		mg/kg dry	59.6	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:23	KML
7440-28-0	Thallium	ND		mg/kg dry	2.98	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:23	KML
7440-62-2	Vanadium	25.4		mg/kg dry	1.19	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:23	KML
7440-66-6	Zinc	283		mg/kg dry	2.98	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:23	KML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	2.25		mg/kg dry	0.0358	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	03/11/2019 09:08	03/11/2019 10:33	SY

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	83.9		%	0.100	1	SM 2540G Certifications: CTDOH	03/11/2019 10:12	03/11/2019 14:01	JTV



Sample Information

Client Sample ID: SB4 0-2'

York Sample ID: 19C0312-07

York Project (SDG) No.

19C0312

Client Project ID

Boemi 100 E. 149th St Bronx, NY

Matrix

Soil

Collection Date/Time

March 7, 2019 12:00 am

Date Received

03/08/2019

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:10	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:10	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:10	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:10	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:10	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:10	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:10	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/11/2019 07:30	03/11/2019 18:10	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/11/2019 07:30	03/11/2019 18:10	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/11/2019 07:30	03/11/2019 18:10	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:10	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:10	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:10	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:10	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:10	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:10	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:10	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:10	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:10	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	53	110	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/11/2019 07:30	03/11/2019 18:10	SS
78-93-3	2-Butanone	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:10	SS



Sample Information

Client Sample ID: SB4 0-2'

York Sample ID: 19C0312-07

York Project (SDG) No.

19C0312

Client Project ID

Boemi 100 E. 149th St Bronx, NY

Matrix

Soil

Collection Date/Time

March 7, 2019 12:00 am

Date Received

03/08/2019

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		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:10	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:10	SS
67-64-1	Acetone	8.8	J	ug/kg dry	5.3	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:10	SS
107-02-8	Acrolein	ND		ug/kg dry	5.3	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:10	SS
107-13-1	Acrylonitrile	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:10	SS
71-43-2	Benzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:10	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/11/2019 07:30	03/11/2019 18:10	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:10	SS
75-25-2	Bromoform	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:10	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:10	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:10	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:10	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:10	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:10	SS
67-66-3	Chloroform	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:10	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:10	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:10	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:10	SS
110-82-7	Cyclohexane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/11/2019 07:30	03/11/2019 18:10	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/11/2019 07:30	03/11/2019 18:10	SS
74-95-3	Dibromomethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/11/2019 07:30	03/11/2019 18:10	SS



Sample Information

Client Sample ID: SB4 0-2'

York Sample ID: 19C0312-07

York Project (SDG) No.

19C0312

Client Project ID

Boemi 100 E. 149th St Bronx, NY

Matrix

Soil

Collection Date/Time

March 7, 2019 12:00 am

Date Received

03/08/2019

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
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/11/2019 07:30	03/11/2019 18:10	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:10	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/11/2019 07:30	03/11/2019 18:10	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:10	SS
79-20-9	Methyl acetate	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/11/2019 07:30	03/11/2019 18:10	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:10	SS
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/11/2019 07:30	03/11/2019 18:10	SS
75-09-2	Methylene chloride	ND		ug/kg dry	5.3	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:10	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:10	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:10	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/11/2019 07:30	03/11/2019 18:10	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.3	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/11/2019 07:30	03/11/2019 18:10	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:10	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:10	SS
100-42-5	Styrene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:10	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.6	26	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/11/2019 07:30	03/11/2019 18:10	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:10	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:10	SS
108-88-3	Toluene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:10	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:10	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:10	SS



Sample Information

Client Sample ID: SB4 0-2'

York Sample ID: 19C0312-07

York Project (SDG) No.

19C0312

Client Project ID

Boemi 100 E. 149th St Bronx, NY

Matrix

Soil

Collection Date/Time

March 7, 2019 12:00 am

Date Received

03/08/2019

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
110-57-6	* trans-1,4-dichloro-2-butene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH	03/11/2019 07:30	03/11/2019 18:10	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:10	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:10	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:10	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	7.9	16	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:10	SS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	102 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	104 %			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 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:53	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	86.1	172	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:53	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:53	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/13/2019 08:30	03/13/2019 23:53	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:53	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/13/2019 08:30	03/13/2019 23:53	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/13/2019 08:30	03/13/2019 23:53	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	86.1	172	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:53	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:53	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:53	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:53	SR



Sample Information

Client Sample ID: SB4 0-2'

York Sample ID: 19C0312-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C0312

Boemi 100 E. 149th St Bronx, NY

Soil

March 7, 2019 12:00 am

03/08/2019

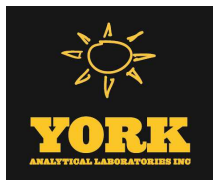
Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:53	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	86.1	172	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:53	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:53	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:53	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:53	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:53	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:53	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:53	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	86.1	172	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:53	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:53	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:53	SR
91-94-1	3,3-Dichlorobenzidine	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:53	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	86.1	172	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:53	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	86.1	172	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:53	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:53	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:53	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:53	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:53	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	86.1	172	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:53	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	86.1	172	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:53	SR
83-32-9	Acenaphthene	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:53	SR



Sample Information

Client Sample ID: SB4 0-2'

York Sample ID: 19C0312-07

York Project (SDG) No.
19C0312

Client Project ID
Boemi 100 E. 149th St Bronx, NY

Matrix
Soil

Collection Date/Time
March 7, 2019 12:00 am

Date Received
03/08/2019

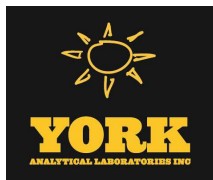
Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
208-96-8	Acenaphthylene	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:53	SR
98-86-2	Acetophenone	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:53	SR
62-53-3	Aniline	ND		ug/kg dry	172	345	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:53	SR
120-12-7	Anthracene	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:53	SR
1912-24-9	Atrazine	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:53	SR
100-52-7	Benzaldehyde	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:53	SR
92-87-5	Benzidine	ND		ug/kg dry	172	345	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	03/13/2019 08:30	03/13/2019 23:53	SR
56-55-3	Benzo(a)anthracene	142		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:53	SR
50-32-8	Benzo(a)pyrene	147		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:53	SR
205-99-2	Benzo(b)fluoranthene	128		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:53	SR
191-24-2	Benzo(g,h,i)perylene	94.3		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:53	SR
207-08-9	Benzo(k)fluoranthene	95.7		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:53	SR
65-85-0	Benzoic acid	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:53	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:53	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:53	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:53	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:53	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:53	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:53	SR
105-60-2	Caprolactam	ND		ug/kg dry	86.1	172	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:53	SR
86-74-8	Carbazole	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:53	SR
218-01-9	Chrysene	120		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:53	SR



Sample Information

Client Sample ID: SB4 0-2'

York Sample ID: 19C0312-07

York Project (SDG) No.

19C0312

Client Project ID

Boemi 100 E. 149th St Bronx, NY

Matrix

Soil

Collection Date/Time

March 7, 2019 12:00 am

Date Received

03/08/2019

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:53	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:53	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:53	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:53	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:53	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:53	SR
206-44-0	Fluoranthene	192		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:53	SR
86-73-7	Fluorene	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:53	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:53	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:53	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:53	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:53	SR
193-39-5	Indeno(1,2,3-cd)pyrene	103		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:53	SR
78-59-1	Isophorone	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:53	SR
91-20-3	Naphthalene	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:53	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:53	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:53	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:53	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:53	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:53	SR
85-01-8	Phenanthrene	59.9	J	ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:53	SR
108-95-2	Phenol	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:53	SR



Sample Information

Client Sample ID: SB4 0-2'

York Sample ID: 19C0312-07

York Project (SDG) No.

19C0312

Client Project ID

Boemi 100 E. 149th St Bronx, NY

Matrix

Soil

Collection Date/Time

March 7, 2019 12:00 am

Date Received

03/08/2019

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
129-00-0	Pyrene	183		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/13/2019 23:53	SR
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: SURR: 2-Fluorophenol	47.2 %			20-108						
4165-62-2	Surrogate: SURR: Phenol-d5	54.8 %			23-114						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	60.6 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	57.4 %			21-113						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	15.7 %	S-08		19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	72.6 %			24-116						

Pesticides, EPA TCL List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	0.686	0.686	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 07:16	CM
72-55-9	4,4'-DDE	ND		ug/kg dry	0.686	0.686	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 07:16	CM
50-29-3	4,4'-DDT	1.85		ug/kg dry	0.686	0.686	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 07:16	CM
309-00-2	Aldrin	ND		ug/kg dry	0.686	0.686	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 07:16	CM
319-84-6	alpha-BHC	ND		ug/kg dry	0.686	0.686	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 07:16	CM
319-85-7	beta-BHC	ND		ug/kg dry	0.686	0.686	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 07:16	CM
57-74-9	Chlordane, total	ND		ug/kg dry	1.37	1.37	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 07:16	CM
319-86-8	delta-BHC	ND		ug/kg dry	0.686	0.686	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 07:16	CM
60-57-1	Dieldrin	ND		ug/kg dry	0.686	0.686	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 07:16	CM
959-98-8	Endosulfan I	ND		ug/kg dry	0.686	0.686	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 07:16	CM
33213-65-9	Endosulfan II	ND		ug/kg dry	0.686	0.686	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854	03/12/2019 14:23	03/14/2019 07:16	CM
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	0.686	0.686	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 07:16	CM
72-20-8	Endrin	ND		ug/kg dry	0.686	0.686	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 07:16	CM



Sample Information

Client Sample ID: SB4 0-2'

York Sample ID: 19C0312-07

York Project (SDG) No.

19C0312

Client Project ID

Boemi 100 E. 149th St Bronx, NY

Matrix

Soil

Collection Date/Time

March 7, 2019 12:00 am

Date Received

03/08/2019

Pesticides, EPA TCL List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7421-93-4	Endrin aldehyde	ND		ug/kg dry	0.686	0.686	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 07:16	CM
53494-70-5	Endrin ketone	ND		ug/kg dry	0.686	0.686	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 07:16	CM
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	0.686	0.686	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 07:16	CM
76-44-8	Heptachlor	ND		ug/kg dry	0.686	0.686	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 07:16	CM
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	0.686	0.686	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 07:16	CM
72-43-5	Methoxychlor	ND		ug/kg dry	3.43	3.43	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 07:16	CM
8001-35-2	Toxaphene	ND		ug/kg dry	34.7	34.7	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 07:16	CM
Surrogate Recoveries		Result			Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	46.2 %			30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	29.9 %	S-GC		30-140						

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	03/12/2019 14:23	03/13/2019 23:19	TJD
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0173	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 23:19	TJD
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0173	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 23:19	TJD
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0173	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 23:19	TJD
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0173	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 23:19	TJD
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0173	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 23:19	TJD
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0173	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 23:19	TJD
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0173	1	EPA 8082A Certifications:	03/12/2019 14:23	03/13/2019 23:19	TJD
Surrogate Recoveries		Result			Acceptance Range					
877-09-8	Surrogate: Tetrachloro-m-xylene	57.1 %			30-140					
2051-24-3	Surrogate: Decachlorobiphenyl	50.4 %			30-140					



Sample Information

Client Sample ID: SB4 0-2'

York Sample ID: 19C0312-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C0312

Boemi 100 E. 149th St Bronx, NY

Soil

March 7, 2019 12:00 am

03/08/2019

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	8070		mg/kg dry	5.21	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:25	KML
7440-36-0	Antimony	ND		mg/kg dry	2.61	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:25	KML
7440-38-2	Arsenic	6.15		mg/kg dry	1.56	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:25	KML
7440-39-3	Barium	104		mg/kg dry	2.61	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:25	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.052	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:25	KML
7440-43-9	Cadmium	0.399		mg/kg dry	0.313	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:25	KML
7440-70-2	Calcium	103000		mg/kg dry	5.21	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:25	KML
7440-47-3	Chromium	19.5		mg/kg dry	0.521	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:25	KML
7440-48-4	Cobalt	8.68		mg/kg dry	0.417	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:25	KML
7440-50-8	Copper	29.3		mg/kg dry	2.09	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:25	KML
7439-89-6	Iron	16600		mg/kg dry	26.1	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:25	KML
7439-92-1	Lead	18.2		mg/kg dry	0.521	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:25	KML
7439-95-4	Magnesium	8770		mg/kg dry	5.21	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:25	KML
7439-96-5	Manganese	200		mg/kg dry	0.521	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:25	KML
7440-02-0	Nickel	18.7		mg/kg dry	1.04	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:25	KML
7440-09-7	Potassium	3560		mg/kg dry	5.21	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:25	KML
7782-49-2	Selenium	ND		mg/kg dry	2.61	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:25	KML
7440-22-4	Silver	ND		mg/kg dry	0.521	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:25	KML
7440-23-5	Sodium	512		mg/kg dry	52.1	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:25	KML
7440-28-0	Thallium	ND		mg/kg dry	2.61	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:25	KML
7440-62-2	Vanadium	28.1		mg/kg dry	1.04	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:25	KML
7440-66-6	Zinc	51.5		mg/kg dry	2.61	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:25	KML



Sample Information

Client Sample ID: SB4 0-2'

York Sample ID: 19C0312-07

York Project (SDG) No.

19C0312

Client Project ID

Boemi 100 E. 149th St Bronx, NY

Matrix

Soil

Collection Date/Time

March 7, 2019 12:00 am

Date Received

03/08/2019

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	0.0313	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	03/11/2019 09:08	03/11/2019 10:45	SY

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	95.9		%	0.100	1	SM 2540G Certifications: CTDOH	03/11/2019 10:12	03/11/2019 14:01	JTV

Sample Information

Client Sample ID: SB4 10'

York Sample ID: 19C0312-08

York Project (SDG) No.

19C0312

Client Project ID

Boemi 100 E. 149th St Bronx, NY

Matrix

Soil

Collection Date/Time

March 7, 2019 12:00 am

Date Received

03/08/2019

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.1	4.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:39	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.1	4.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:39	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.1	4.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:39	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.1	4.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:39	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.1	4.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:39	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.1	4.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:39	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.1	4.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:39	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.1	4.1	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAE	03/11/2019 07:30	03/11/2019 18:39	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.1	4.1	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/11/2019 07:30	03/11/2019 18:39	SS



Sample Information

Client Sample ID: SB4 10'

York Sample ID: 19C0312-08

York Project (SDG) No.

19C0312

Client Project ID

Boemi 100 E. 149th St Bronx, NY

Matrix

Soil

Collection Date/Time

March 7, 2019 12:00 am

Date Received

03/08/2019

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
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.1	4.1	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/11/2019 07:30	03/11/2019 18:39	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.1	4.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:39	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.1	4.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:39	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.1	4.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:39	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.1	4.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:39	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.1	4.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:39	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.1	4.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:39	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.1	4.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:39	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.1	4.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:39	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.1	4.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:39	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	41	82	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/11/2019 07:30	03/11/2019 18:39	SS
78-93-3	2-Butanone	ND		ug/kg dry	2.1	4.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:39	SS
591-78-6	2-Hexanone	ND		ug/kg dry	2.1	4.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:39	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.1	4.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:39	SS
67-64-1	Acetone	7.7	J	ug/kg dry	4.1	8.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:39	SS
107-02-8	Acrolein	ND		ug/kg dry	4.1	8.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:39	SS
107-13-1	Acrylonitrile	ND		ug/kg dry	2.1	4.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:39	SS
71-43-2	Benzene	ND		ug/kg dry	2.1	4.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:39	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.1	4.1	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/11/2019 07:30	03/11/2019 18:39	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.1	4.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:39	SS
75-25-2	Bromoform	ND		ug/kg dry	2.1	4.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:39	SS



Sample Information

Client Sample ID: SB4 10'

York Sample ID: 19C0312-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C0312

Boemi 100 E. 149th St Bronx, NY

Soil

March 7, 2019 12:00 am

03/08/2019

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
74-83-9	Bromomethane	ND		ug/kg dry	2.1	4.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:39	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	2.1	4.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:39	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.1	4.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:39	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.1	4.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:39	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.1	4.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:39	SS
67-66-3	Chloroform	ND		ug/kg dry	2.1	4.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:39	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.1	4.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:39	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.1	4.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:39	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.1	4.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:39	SS
110-82-7	Cyclohexane	ND		ug/kg dry	2.1	4.1	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/11/2019 07:30	03/11/2019 18:39	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.1	4.1	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/11/2019 07:30	03/11/2019 18:39	SS
74-95-3	Dibromomethane	ND		ug/kg dry	2.1	4.1	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/11/2019 07:30	03/11/2019 18:39	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.1	4.1	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/11/2019 07:30	03/11/2019 18:39	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.1	4.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:39	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.1	4.1	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/11/2019 07:30	03/11/2019 18:39	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.1	4.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:39	SS
79-20-9	Methyl acetate	ND		ug/kg dry	2.1	4.1	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/11/2019 07:30	03/11/2019 18:39	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.1	4.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:39	SS
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.1	4.1	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/11/2019 07:30	03/11/2019 18:39	SS
75-09-2	Methylene chloride	ND		ug/kg dry	4.1	8.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:39	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.1	4.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:39	SS



Sample Information

Client Sample ID: SB4 10'

York Sample ID: 19C0312-08

York Project (SDG) No.

19C0312

Client Project ID

Boemi 100 E. 149th St Bronx, NY

Matrix

Soil

Collection Date/Time

March 7, 2019 12:00 am

Date Received

03/08/2019

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
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.1	4.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:39	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.1	4.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/11/2019 07:30	03/11/2019 18:39	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.1	8.2	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/11/2019 07:30	03/11/2019 18:39	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.1	4.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:39	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.1	4.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:39	SS
100-42-5	Styrene	ND		ug/kg dry	2.1	4.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:39	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.1	21	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/11/2019 07:30	03/11/2019 18:39	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.1	4.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:39	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.1	4.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:39	SS
108-88-3	Toluene	ND		ug/kg dry	2.1	4.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:39	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.1	4.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:39	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.1	4.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:39	SS
110-57-6	* trans-1,4-dichloro-2-butene	ND		ug/kg dry	2.1	4.1	1	EPA 8260C Certifications: CTDOH	03/11/2019 07:30	03/11/2019 18:39	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.1	4.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:39	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.1	4.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:39	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.1	4.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:39	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	6.2	12	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/11/2019 07:30	03/11/2019 18:39	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	98.9 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	103 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	110 %	76-130								



Sample Information

Client Sample ID: SB4 10'

York Sample ID: 19C0312-08

York Project (SDG) No.

19C0312

Client Project ID

Boemi 100 E. 149th St Bronx, NY

Matrix

Soil

Collection Date/Time

March 7, 2019 12:00 am

Date Received

03/08/2019

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/15/2019 09:42	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	86.1	172	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/15/2019 09:42	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/15/2019 09:42	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/13/2019 08:30	03/15/2019 09:42	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/15/2019 09:42	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/13/2019 08:30	03/15/2019 09:42	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/13/2019 08:30	03/15/2019 09:42	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	86.1	172	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/15/2019 09:42	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/15/2019 09:42	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/15/2019 09:42	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/15/2019 09:42	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/15/2019 09:42	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	86.1	172	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/15/2019 09:42	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/15/2019 09:42	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/15/2019 09:42	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/15/2019 09:42	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/15/2019 09:42	SR
91-57-6	2-Methylnaphthalene	310		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/15/2019 09:42	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/15/2019 09:42	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	86.1	172	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/15/2019 09:42	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/15/2019 09:42	SR



Sample Information

Client Sample ID: SB4 10'

York Sample ID: 19C0312-08

York Project (SDG) No.

19C0312

Client Project ID

Boemi 100 E. 149th St Bronx, NY

Matrix

Soil

Collection Date/Time

March 7, 2019 12:00 am

Date Received

03/08/2019

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/15/2019 09:42	SR
91-94-1	3,3-Dichlorobenzidine	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/15/2019 09:42	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	86.1	172	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/15/2019 09:42	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	86.1	172	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/15/2019 09:42	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/15/2019 09:42	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/15/2019 09:42	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/15/2019 09:42	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/15/2019 09:42	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	86.1	172	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/15/2019 09:42	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	86.1	172	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/15/2019 09:42	SR
83-32-9	Acenaphthene	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/15/2019 09:42	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/15/2019 09:42	SR
98-86-2	Acetophenone	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/15/2019 09:42	SR
62-53-3	Aniline	ND		ug/kg dry	172	345	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/15/2019 09:42	SR
120-12-7	Anthracene	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/15/2019 09:42	SR
1912-24-9	Atrazine	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/15/2019 09:42	SR
100-52-7	Benzaldehyde	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/15/2019 09:42	SR
92-87-5	Benzidine	ND		ug/kg dry	172	345	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	03/13/2019 08:30	03/15/2019 09:42	SR
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/15/2019 09:42	SR
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/15/2019 09:42	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/15/2019 09:42	SR



Sample Information

Client Sample ID: SB4 10'

York Sample ID: 19C0312-08

York Project (SDG) No.

19C0312

Client Project ID

Boemi 100 E. 149th St Bronx, NY

Matrix

Soil

Collection Date/Time

March 7, 2019 12:00 am

Date Received

03/08/2019

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/15/2019 09:42	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/15/2019 09:42	SR
65-85-0	Benzoic acid	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/15/2019 09:42	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/15/2019 09:42	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/15/2019 09:42	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/15/2019 09:42	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/15/2019 09:42	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/15/2019 09:42	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/15/2019 09:42	SR
105-60-2	Caprolactam	ND		ug/kg dry	86.1	172	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/15/2019 09:42	SR
86-74-8	Carbazole	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/15/2019 09:42	SR
218-01-9	Chrysene	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/15/2019 09:42	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/15/2019 09:42	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/15/2019 09:42	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/15/2019 09:42	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/15/2019 09:42	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/15/2019 09:42	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/15/2019 09:42	SR
206-44-0	Fluoranthene	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/15/2019 09:42	SR
86-73-7	Fluorene	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/15/2019 09:42	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/15/2019 09:42	SR



Sample Information

Client Sample ID: SB4 10'

York Sample ID: 19C0312-08

York Project (SDG) No.

19C0312

Client Project ID

Boemi 100 E. 149th St Bronx, NY

Matrix

Soil

Collection Date/Time

March 7, 2019 12:00 am

Date Received

03/08/2019

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/15/2019 09:42	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/15/2019 09:42	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/15/2019 09:42	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/15/2019 09:42	SR
78-59-1	Isophorone	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/15/2019 09:42	SR
91-20-3	Naphthalene	393		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/15/2019 09:42	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/15/2019 09:42	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/15/2019 09:42	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/15/2019 09:42	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/15/2019 09:42	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/15/2019 09:42	SR
85-01-8	Phenanthrene	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/15/2019 09:42	SR
108-95-2	Phenol	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/15/2019 09:42	SR
129-00-0	Pyrene	ND		ug/kg dry	43.2	86.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 08:30	03/15/2019 09:42	SR

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	Surrogate: SURR: 2-Fluorophenol	72.5 %	20-108
4165-62-2	Surrogate: SURR: Phenol-d5	63.9 %	23-114
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	71.4 %	22-108
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	59.7 %	21-113
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	71.5 %	19-110
1718-51-0	Surrogate: SURR: Terphenyl-d14	65.0 %	24-116

Pesticides, EPA TCL List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

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



Sample Information

Client Sample ID: SB4 10'

York Sample ID: 19C0312-08

York Project (SDG) No.

19C0312

Client Project ID

Boemi 100 E. 149th St Bronx, NY

Matrix

Soil

Collection Date/Time

March 7, 2019 12:00 am

Date Received

03/08/2019

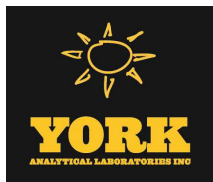
Pesticides, EPA TCL List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	0.686	0.686	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 07:31	CM
72-55-9	4,4'-DDE	ND		ug/kg dry	0.686	0.686	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 07:31	CM
50-29-3	4,4'-DDT	ND		ug/kg dry	0.686	0.686	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 07:31	CM
309-00-2	Aldrin	ND		ug/kg dry	0.686	0.686	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 07:31	CM
319-84-6	alpha-BHC	ND		ug/kg dry	0.686	0.686	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 07:31	CM
319-85-7	beta-BHC	ND		ug/kg dry	0.686	0.686	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 07:31	CM
57-74-9	Chlordane, total	ND		ug/kg dry	1.37	1.37	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 07:31	CM
319-86-8	delta-BHC	ND		ug/kg dry	0.686	0.686	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 07:31	CM
60-57-1	Dieldrin	ND		ug/kg dry	0.686	0.686	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 07:31	CM
959-98-8	Endosulfan I	ND		ug/kg dry	0.686	0.686	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 07:31	CM
33213-65-9	Endosulfan II	ND		ug/kg dry	0.686	0.686	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854	03/12/2019 14:23	03/14/2019 07:31	CM
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	0.686	0.686	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 07:31	CM
72-20-8	Endrin	ND		ug/kg dry	0.686	0.686	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 07:31	CM
7421-93-4	Endrin aldehyde	ND		ug/kg dry	0.686	0.686	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 07:31	CM
53494-70-5	Endrin ketone	ND		ug/kg dry	0.686	0.686	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 07:31	CM
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	0.686	0.686	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 07:31	CM
76-44-8	Heptachlor	ND		ug/kg dry	0.686	0.686	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 07:31	CM
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	0.686	0.686	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 07:31	CM
72-43-5	Methoxychlor	ND		ug/kg dry	3.43	3.43	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 07:31	CM
8001-35-2	Toxaphene	ND		ug/kg dry	34.7	34.7	2	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 14:23	03/14/2019 07:31	CM
Surrogate Recoveries		Result	Acceptance Range								
877-09-8	Surrogate: Tetrachloro-m-xylene	52.5 %	30-140								



Sample Information

Client Sample ID: SB4 10'

York Sample ID: 19C0312-08

York Project (SDG) No.

19C0312

Client Project ID

Boemi 100 E. 149th St Bronx, NY

Matrix

Soil

Collection Date/Time

March 7, 2019 12:00 am

Date Received

03/08/2019

Pesticides, EPA TCL List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2051-24-3	Surrogate: Decachlorobiphenyl	34.7 %			30-140						

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	03/12/2019 14:23	03/13/2019 23:32	TJD
11104-28-2	Aroclor 1221		ND		mg/kg dry	0.0173	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 23:32	TJD
11141-16-5	Aroclor 1232		ND		mg/kg dry	0.0173	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 23:32	TJD
53469-21-9	Aroclor 1242		ND		mg/kg dry	0.0173	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 23:32	TJD
12672-29-6	Aroclor 1248		ND		mg/kg dry	0.0173	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 23:32	TJD
11097-69-1	Aroclor 1254		ND		mg/kg dry	0.0173	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 23:32	TJD
11096-82-5	Aroclor 1260		ND		mg/kg dry	0.0173	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/12/2019 14:23	03/13/2019 23:32	TJD
1336-36-3	* Total PCBs		ND		mg/kg dry	0.0173	1	EPA 8082A Certifications:	03/12/2019 14:23	03/13/2019 23:32	TJD
Surrogate Recoveries			Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene		63.9 %	30-140							
2051-24-3	Surrogate: Decachlorobiphenyl		58.5 %	30-140							

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	4380		mg/kg dry	5.23	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:27	KML
7440-36-0	Antimony	ND		mg/kg dry	2.62	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:27	KML
7440-38-2	Arsenic	10.2		mg/kg dry	1.57	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:27	KML
7440-39-3	Barium	66.5		mg/kg dry	2.62	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:27	KML
7440-41-7	Beryllium	0.227		mg/kg dry	0.052	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:27	KML
7440-43-9	Cadmium	ND		mg/kg dry	0.314	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:27	KML



Sample Information

Client Sample ID: SB4 10'

York Sample ID: 19C0312-08

York Project (SDG) No.
19C0312

Client Project ID
Boemi 100 E. 149th St Bronx, NY

Matrix
Soil

Collection Date/Time
March 7, 2019 12:00 am

Date Received
03/08/2019

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
7440-70-2	Calcium	158000		mg/kg dry	5.23	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:27	KML
7440-47-3	Chromium	7.27		mg/kg dry	0.523	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:27	KML
7440-48-4	Cobalt	5.21		mg/kg dry	0.419	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:27	KML
7440-50-8	Copper	15.1		mg/kg dry	2.09	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:27	KML
7439-89-6	Iron	11600		mg/kg dry	26.2	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:27	KML
7439-92-1	Lead	11.2		mg/kg dry	0.523	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:27	KML
7439-95-4	Magnesium	11500		mg/kg dry	5.23	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:27	KML
7439-96-5	Manganese	179		mg/kg dry	0.523	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:27	KML
7440-02-0	Nickel	12.9		mg/kg dry	1.05	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:27	KML
7440-09-7	Potassium	1250		mg/kg dry	5.23	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:27	KML
7782-49-2	Selenium	ND		mg/kg dry	2.62	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:27	KML
7440-22-4	Silver	ND		mg/kg dry	0.523	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:27	KML
7440-23-5	Sodium	387		mg/kg dry	52.3	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:27	KML
7440-28-0	Thallium	ND		mg/kg dry	2.62	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:27	KML
7440-62-2	Vanadium	11.1		mg/kg dry	1.05	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:27	KML
7440-66-6	Zinc	122		mg/kg dry	2.62	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 11:35	03/12/2019 17:27	KML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0314	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	03/11/2019 09:08	03/11/2019 10:53	SY

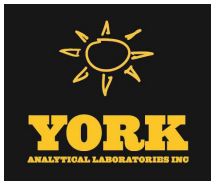
Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

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



Sample Information

Client Sample ID: SB4 10'

York Sample ID: 19C0312-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C0312

Boemi 100 E. 149th St Bronx, NY

Soil

March 7, 2019 12:00 am

03/08/2019

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	95.6		%	0.100	1	SM 2540G Certifications: CTDOH	03/11/2019 10:12	03/11/2019 14:01	JTV



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
19C0312-01	SB1 0-2'	40mL Vial with Stir Bar-Cool 4° C
19C0312-02	SB1 10'	40mL Vial with Stir Bar-Cool 4° C
19C0312-03	SB2 0-2'	40mL Vial with Stir Bar-Cool 4° C
19C0312-04	SB2 10'	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C
19C0312-05	SB3 0-2'	40mL Vial with Stir Bar-Cool 4° C
19C0312-06	SB3 10'	40mL Vial with Stir Bar-Cool 4° C
19C0312-07	SB4 0-2'	40mL Vial with Stir Bar-Cool 4° C
19C0312-08	SB4 10'	40mL Vial with Stir Bar-Cool 4° C

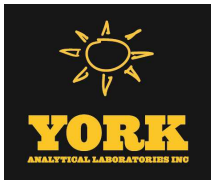


Sample and Data Qualifiers Relating to This Work Order

S-GC	Two surrogates are used for this analysis. One surrogate recovered within control limits therefore the analysis is acceptable.
S-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.
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-ICV2	The recovery for this element in the ICV was outside the 90-110% recovery criteria.
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.
IS-LO	The internal std associated with this target compound did not meet acceptance criteria (area <50% CCV) at the stated dilution due to matrix effects. Sample was rerun to confirm matrix effects.
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.

Appendix E



Technical Report

prepared for:

Eastern Environmental Solutions

258 Line Road

Manorville NY, 11949

Attention: Jim Mulvey

Report Date: 03/14/2019

Client Project ID: Boemia 100 E.149th Street Bronx NY

York Project (SDG) No.: 19C0296

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

120 RESEARCH DRIVE
www.YORKLAB.com

STRATFORD, CT 06615
(203) 325-1371

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

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 03/14/2019
Client Project ID: Boemia 100 E.149th Street Bronx NY
York Project (SDG) No.: 19C0296

Eastern Environmental Solutions
258 Line Road
Manorville NY, 11949
Attention: Jim Mulvey

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on March 08, 2019 with a temperature of 2.6 C. The project was identified as your project: **Boemia 100 E.149th Street Bronx NY.**

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>
19C0296-01	MW3	Water	03/07/2019	03/08/2019
19C0296-02	MW4	Water	03/07/2019	03/08/2019

General Notes for York Project (SDG) No.: 19C0296

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

Approved By:



Benjamin Gulizia
Laboratory Director

Date: 03/14/2019





Sample Information

Client Sample ID: MW3

York Sample ID: 19C0296-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C0296

Boemia 100 E.149th Street Bronx NY

Water

March 7, 2019 3:00 am

03/08/2019

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,NJ	03/14/2019 07:30	03/14/2019 14:46	RDS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/14/2019 07:30	03/14/2019 14:46	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/14/2019 07:30	03/14/2019 14:46	RDS
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,NJ	03/14/2019 07:30	03/14/2019 14:46	RDS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/14/2019 07:30	03/14/2019 14:46	RDS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/14/2019 07:30	03/14/2019 14:46	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/14/2019 07:30	03/14/2019 14:46	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/14/2019 07:30	03/14/2019 14:46	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/14/2019 07:30	03/14/2019 14:46	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/14/2019 07:30	03/14/2019 14:46	RDS
95-63-6	1,2,4-Trimethylbenzene	7.0		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/14/2019 07:30	03/14/2019 14:46	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/14/2019 07:30	03/14/2019 14:46	RDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/14/2019 07:30	03/14/2019 14:46	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/14/2019 07:30	03/14/2019 14:46	RDS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/14/2019 07:30	03/14/2019 14:46	RDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/14/2019 07:30	03/14/2019 14:46	RDS
108-67-8	1,3,5-Trimethylbenzene	45		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/14/2019 07:30	03/14/2019 14:46	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/14/2019 07:30	03/14/2019 14:46	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/14/2019 07:30	03/14/2019 14:46	RDS
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/14/2019 07:30	03/14/2019 14:46	RDS
78-93-3	2-Butanone	11	CCV-E	ug/L	0.20	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/14/2019 07:30	03/14/2019 14:46	RDS



Sample Information

Client Sample ID: MW3

York Sample ID: 19C0296-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C0296

Boemia 100 E.149th Street Bronx NY

Water

March 7, 2019 3:00 am

03/08/2019

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	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/14/2019 07:30	03/14/2019 14:46	RDS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/14/2019 07:30	03/14/2019 14:46	RDS
67-64-1	Acetone	15	CCV-E	ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/14/2019 07:30	03/14/2019 14:46	RDS
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/14/2019 07:30	03/14/2019 14:46	RDS
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/14/2019 07:30	03/14/2019 14:46	RDS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/14/2019 07:30	03/14/2019 14:46	RDS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/14/2019 07:30	03/14/2019 14:46	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/14/2019 07:30	03/14/2019 14:46	RDS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/14/2019 07:30	03/14/2019 14:46	RDS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/14/2019 07:30	03/14/2019 14:46	RDS
75-15-0	Carbon disulfide	0.64		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/14/2019 07:30	03/14/2019 14:46	RDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/14/2019 07:30	03/14/2019 14:46	RDS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/14/2019 07:30	03/14/2019 14:46	RDS
75-00-3	Chloroethane	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/14/2019 07:30	03/14/2019 14:46	RDS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/14/2019 07:30	03/14/2019 14:46	RDS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/14/2019 07:30	03/14/2019 14:46	RDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/14/2019 07:30	03/14/2019 14:46	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/14/2019 07:30	03/14/2019 14:46	RDS
110-82-7	Cyclohexane	180		ug/L	1.0	2.5	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/12/2019 07:30	03/13/2019 02:55	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/14/2019 07:30	03/14/2019 14:46	RDS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/14/2019 07:30	03/14/2019 14:46	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/14/2019 07:30	03/14/2019 14:46	RDS



Sample Information

Client Sample ID: MW3

York Sample ID: 19C0296-01

York Project (SDG) No.

19C0296

Client Project ID

Boemia 100 E.149th Street Bronx NY

Matrix

Water

Collection Date/Time

March 7, 2019 3:00 am

Date Received

03/08/2019

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	51		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/14/2019 07:30	03/14/2019 14:46	RDS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/14/2019 07:30	03/14/2019 14:46	RDS
98-82-8	Isopropylbenzene	19		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/14/2019 07:30	03/14/2019 14:46	RDS
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/14/2019 07:30	03/14/2019 14:46	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/14/2019 07:30	03/14/2019 14:46	RDS
108-87-2	Methylcyclohexane	240		ug/L	1.0	2.5	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/12/2019 07:30	03/13/2019 02:55	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/14/2019 07:30	03/14/2019 14:46	RDS
104-51-8	n-Butylbenzene	11		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/14/2019 07:30	03/14/2019 14:46	RDS
103-65-1	n-Propylbenzene	50		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/14/2019 07:30	03/14/2019 14:46	RDS
95-47-6	o-Xylene	5.9		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/14/2019 07:30	03/14/2019 14:46	RDS
179601-23-1	p- & m- Xylenes	20		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/14/2019 07:30	03/14/2019 14:46	RDS
99-87-6	p-Isopropyltoluene	5.8		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/14/2019 07:30	03/14/2019 14:46	RDS
135-98-8	sec-Butylbenzene	5.7		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/14/2019 07:30	03/14/2019 14:46	RDS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/14/2019 07:30	03/14/2019 14:46	RDS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	2.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/14/2019 07:30	03/14/2019 14:46	RDS
98-06-6	tert-Butylbenzene	0.52		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/14/2019 07:30	03/14/2019 14:46	RDS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/14/2019 07:30	03/14/2019 14:46	RDS
108-88-3	Toluene	6.3		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/14/2019 07:30	03/14/2019 14:46	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/14/2019 07:30	03/14/2019 14:46	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/14/2019 07:30	03/14/2019 14:46	RDS
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,NJ	03/14/2019 07:30	03/14/2019 14:46	RDS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/14/2019 07:30	03/14/2019 14:46	RDS



Sample Information

Client Sample ID: MW3

York Sample ID: 19C0296-01

York Project (SDG) No.

19C0296

Client Project ID

Boemia 100 E.149th Street Bronx NY

Matrix

Water

Collection Date/Time

March 7, 2019 3:00 am

Date Received

03/08/2019

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,NJ	03/14/2019 07:30	03/14/2019 14:46	RDS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/14/2019 07:30	03/14/2019 14:46	RDS
1330-20-7	Xylenes, Total	26		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/14/2019 07:30	03/14/2019 14:46	RDS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	91.5 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	93.6 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	114 %	79-122								

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes: EXT-D, EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:20	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:20	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:20	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/12/2019 08:26	03/13/2019 17:20	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:20	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/12/2019 08:26	03/13/2019 17:20	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/12/2019 08:26	03/13/2019 17:20	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:20	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:20	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:20	KH
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:20	KH
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:20	KH
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:20	KH



Sample Information

Client Sample ID: MW3

York Sample ID: 19C0296-01

York Project (SDG) No.

19C0296

Client Project ID

Boemia 100 E.149th Street Bronx NY

Matrix

Water

Collection Date/Time

March 7, 2019 3:00 am

Date Received

03/08/2019

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes: EXT-D, EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:20	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:20	KH
91-58-7	2-Chloronaphthalene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:20	KH
95-57-8	2-Chlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:20	KH
91-57-6	2-Methylnaphthalene	16.6		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:20	KH
95-48-7	2-Methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:20	KH
88-74-4	2-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:20	KH
88-75-5	2-Nitrophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:20	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:20	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:20	KH
99-09-2	3-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:20	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:20	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:20	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:20	KH
106-47-8	4-Chloroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:20	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:20	KH
100-01-6	4-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:20	KH
100-02-7	4-Nitrophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:20	KH
83-32-9	Acenaphthene	2.78	J	ug/L	0.0513	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:20	KH
208-96-8	Acenaphthylene	0.513	J	ug/L	0.0513	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:20	KH
98-86-2	Acetophenone	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:20	KH
62-53-3	Aniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:20	KH



Sample Information

Client Sample ID: MW3

York Sample ID: 19C0296-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C0296

Boemia 100 E.149th Street Bronx NY

Water

March 7, 2019 3:00 am

03/08/2019

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes: EXT-D, EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-12-7	Anthracene	1.71	J	ug/L	0.0513	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:20	KH
1912-24-9	Atrazine	ND		ug/L	0.513	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:20	KH
100-52-7	Benzaldehyde	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:20	KH
92-87-5	Benzidine	ND		ug/L	10.3	20.5	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:20	KH
56-55-3	Benzo(a)anthracene	3.25	J	ug/L	0.0513	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:20	KH
50-32-8	Benzo(a)pyrene	4.39	J	ug/L	0.0513	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:20	KH
205-99-2	Benzo(b)fluoranthene	4.23	J	ug/L	0.0513	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:20	KH
191-24-2	Benzo(g,h,i)perylene	3.46	J	ug/L	0.0513	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:20	KH
207-08-9	Benzo(k)fluoranthene	3.33	J	ug/L	0.0513	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:20	KH
65-85-0	Benzoic acid	ND		ug/L	25.6	51.3	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:20	KH
100-51-6	Benzyl alcohol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:20	KH
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:20	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:20	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:20	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:20	KH
117-81-7	Bis(2-ethylhexyl)phthalate	0.513	J	ug/L	0.513	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:20	KH
105-60-2	Caprolactam	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:20	KH
86-74-8	Carbazole	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:20	KH
218-01-9	Chrysene	3.20	J	ug/L	0.0513	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:20	KH
53-70-3	Dibenzo(a,h)anthracene	0.349	J	ug/L	0.0513	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:20	KH
132-64-9	Dibenzofuran	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:20	KH
84-66-2	Diethyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:20	KH



Sample Information

Client Sample ID: MW3

York Sample ID: 19C0296-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C0296

Boemia 100 E.149th Street Bronx NY

Water

March 7, 2019 3:00 am

03/08/2019

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes: EXT-D, EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
131-11-3	Dimethyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:20	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:20	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:20	KH
206-44-0	Fluoranthene	7.90		ug/L	0.0513	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:20	KH
86-73-7	Fluorene	2.88	J	ug/L	0.0513	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:20	KH
118-74-1	Hexachlorobenzene	ND		ug/L	0.0205	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:20	KH
87-68-3	Hexachlorobutadiene	ND		ug/L	0.513	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:20	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:20	KH
67-72-1	Hexachloroethane	ND		ug/L	0.513	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:20	KH
193-39-5	Indeno(1,2,3-cd)pyrene	3.44	J	ug/L	0.0513	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:20	KH
78-59-1	Isophorone	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:20	KH
91-20-3	Naphthalene	22.6		ug/L	0.0513	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:20	KH
98-95-3	Nitrobenzene	ND		ug/L	0.256	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:20	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.513	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:20	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:20	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:20	KH
87-86-5	Pentachlorophenol	ND		ug/L	0.256	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:20	KH
85-01-8	Phenanthrene	9.86		ug/L	0.0513	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:20	KH
108-95-2	Phenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:20	KH
129-00-0	Pyrene	7.20		ug/L	0.0513	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:20	KH
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	40.7 %	19.7-63.1								
4165-62-2	Surrogate: SURR: Phenol-d5	26.8 %	10.1-41.7								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	77.4 %	50.2-113								



Sample Information

Client Sample ID: MW3

York Sample ID: 19C0296-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C0296

Boemia 100 E.149th Street Bronx NY

Water

March 7, 2019 3:00 am

03/08/2019

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes: EXT-D, EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	79.5 %			39.9-105						
1718-51-0	Surrogate: SURR: Terphenyl-d14	70.8 %			30.7-106						

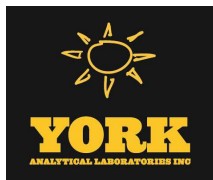
Pesticides, 8081 target list

Log-in Notes:

Sample Notes: EXT-EM

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 08:01	CM
72-55-9	4,4'-DDE	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 08:01	CM
50-29-3	4,4'-DDT	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 08:01	CM
309-00-2	Aldrin	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 08:01	CM
319-84-6	alpha-BHC	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 08:01	CM
5103-71-9	alpha-Chlordane	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 08:01	CM
319-85-7	beta-BHC	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 08:01	CM
57-74-9	Chlordane, total	ND		ug/L	0.0205	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 08:01	CM
319-86-8	delta-BHC	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 08:01	CM
60-57-1	Dieldrin	ND		ug/L	0.00205	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 08:01	CM
959-98-8	Endosulfan I	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 08:01	CM
33213-65-9	Endosulfan II	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 08:01	CM
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 08:01	CM
72-20-8	Endrin	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 08:01	CM
7421-93-4	Endrin aldehyde	ND		ug/L	0.0103	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 08:01	CM
53494-70-5	Endrin ketone	ND		ug/L	0.0103	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 08:01	CM
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 08:01	CM



Sample Information

Client Sample ID: MW3

York Sample ID: 19C0296-01

York Project (SDG) No.

19C0296

Client Project ID

Boemia 100 E.149th Street Bronx NY

Matrix

Water

Collection Date/Time

March 7, 2019 3:00 am

Date Received

03/08/2019

Pesticides, 8081 target list

Log-in Notes:

Sample Notes: EXT-EM

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
5566-34-7	gamma-Chlordane	ND		ug/L	0.0103	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 08:01	CM
76-44-8	Heptachlor	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 08:01	CM
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 08:01	CM
72-43-5	Methoxychlor	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 08:01	CM
8001-35-2	Toxaphene	ND		ug/L	0.103	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 08:01	CM
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	34.7 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	49.9 %	30-150							

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes: EXT-EM

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 13:40	TJD
11104-28-2	Aroclor 1221	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 13:40	TJD
11141-16-5	Aroclor 1232	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 13:40	TJD
53469-21-9	Aroclor 1242	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 13:40	TJD
12672-29-6	Aroclor 1248	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 13:40	TJD
11097-69-1	Aroclor 1254	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 13:40	TJD
11096-82-5	Aroclor 1260	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 13:40	TJD
1336-36-3	* Total PCBs	ND		ug/L	0.0513	1	EPA 8082A Certifications:	03/12/2019 08:31	03/14/2019 13:40	TJD
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	49.3 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	80.5 %	30-120							



Sample Information

Client Sample ID: MW3

York Sample ID: 19C0296-01

York Project (SDG) No.
19C0296

Client Project ID
Boemia 100 E.149th Street Bronx NY

Matrix
Water

Collection Date/Time
March 7, 2019 3:00 am

Date Received
03/08/2019

Metals, Target Analyte

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	7.61		mg/L	0.056	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 12:00	03/11/2019 17:13	KML
7440-36-0	Antimony	ND		mg/L	0.028	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 12:00	03/11/2019 17:13	KML
7440-38-2	Arsenic	ND		mg/L	0.017	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 12:00	03/11/2019 17:13	KML
7440-39-3	Barium	0.274		mg/L	0.028	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 12:00	03/11/2019 17:13	KML
7440-41-7	Beryllium	ND		mg/L	0.0006	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 12:00	03/11/2019 17:13	KML
7440-43-9	Cadmium	0.018		mg/L	0.003	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 12:00	03/11/2019 17:13	KML
7440-70-2	Calcium	135		mg/L	0.056	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 12:00	03/11/2019 17:13	KML
7440-47-3	Chromium	0.023		mg/L	0.006	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 12:00	03/11/2019 17:13	KML
7440-48-4	Cobalt	0.007		mg/L	0.004	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 12:00	03/11/2019 17:13	KML
7440-50-8	Copper	0.860		mg/L	0.022	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 12:00	03/11/2019 17:13	KML
7439-89-6	Iron	19.0		mg/L	0.278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 12:00	03/11/2019 17:13	KML
7439-92-1	Lead	0.541		mg/L	0.006	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 12:00	03/11/2019 17:13	KML
7439-95-4	Magnesium	15.8		mg/L	0.056	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 12:00	03/11/2019 17:13	KML
7439-96-5	Manganese	0.905		mg/L	0.006	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 12:00	03/11/2019 17:13	KML
7440-02-0	Nickel	0.023		mg/L	0.011	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 12:00	03/11/2019 17:13	KML
7440-09-7	Potassium	14.4		mg/L	0.056	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 12:00	03/11/2019 17:13	KML
7782-49-2	Selenium	ND		mg/L	0.028	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 12:00	03/11/2019 17:13	KML
7440-22-4	Silver	ND		mg/L	0.006	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 12:00	03/11/2019 17:13	KML
7440-23-5	Sodium	53.3		mg/L	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 12:00	03/11/2019 17:13	KML
7440-28-0	Thallium	ND		mg/L	0.028	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 12:00	03/11/2019 17:13	KML
7440-62-2	Vanadium	0.027		mg/L	0.011	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 12:00	03/11/2019 17:13	KML
7440-66-6	Zinc	4.51		mg/L	0.028	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 12:00	03/11/2019 17:13	KML



Sample Information

Client Sample ID: MW3

York Sample ID: 19C0296-01

York Project (SDG) No.
19C0296

Client Project ID
Boemia 100 E.149th Street Bronx NY

Matrix
Water

Collection Date/Time
March 7, 2019 3:00 am

Date Received
03/08/2019

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00020	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 11:13	03/13/2019 13:31	SY

Sample Information

Client Sample ID: MW4

York Sample ID: 19C0296-02

York Project (SDG) No.
19C0296

Client Project ID
Boemia 100 E.149th Street Bronx NY

Matrix
Water

Collection Date/Time
March 7, 2019 3:00 am

Date Received
03/08/2019

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,NJ	03/12/2019 07:30	03/13/2019 03:26	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/13/2019 03:26	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/13/2019 03:26	SS
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,NJ	03/12/2019 07:30	03/13/2019 03:26	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/13/2019 03:26	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/13/2019 03:26	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/13/2019 03:26	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/12/2019 07:30	03/13/2019 03:26	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/12/2019 07:30	03/13/2019 03:26	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/12/2019 07:30	03/13/2019 03:26	SS
95-63-6	1,2,4-Trimethylbenzene	150		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/13/2019 03:26	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/13/2019 03:26	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/13/2019 03:26	SS



Sample Information

Client Sample ID: MW4

York Sample ID: 19C0296-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C0296

Boemia 100 E.149th Street Bronx NY

Water

March 7, 2019 3:00 am

03/08/2019

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
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/13/2019 03:26	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/13/2019 03:26	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/13/2019 03:26	SS
108-67-8	1,3,5-Trimethylbenzene	41		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/13/2019 03:26	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/13/2019 03:26	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/13/2019 03:26	SS
123-91-1	1,4-Dioxane	ND		ug/L	40	80	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/12/2019 07:30	03/13/2019 03:26	SS
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/13/2019 03:26	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/13/2019 03:26	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/13/2019 03:26	SS
67-64-1	Acetone	2.0	SCAL- E, J	ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/13/2019 03:26	SS
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/13/2019 03:26	SS
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/13/2019 03:26	SS
71-43-2	Benzene	3.0		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/13/2019 03:26	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/12/2019 07:30	03/13/2019 03:26	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/13/2019 03:26	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/13/2019 03:26	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/13/2019 03:26	SS
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/13/2019 03:26	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/13/2019 03:26	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/13/2019 03:26	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/13/2019 03:26	SS



Sample Information

Client Sample ID: MW4

York Sample ID: 19C0296-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C0296

Boemia 100 E.149th Street Bronx NY

Water

March 7, 2019 3:00 am

03/08/2019

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-66-3	Chloroform	14		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/13/2019 03:26	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/13/2019 03:26	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/13/2019 03:26	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/13/2019 03:26	SS
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/12/2019 07:30	03/13/2019 03:26	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/13/2019 03:26	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/12/2019 07:30	03/13/2019 03:26	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/12/2019 07:30	03/13/2019 03:26	SS
100-41-4	Ethyl Benzene	60		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/13/2019 03:26	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/12/2019 07:30	03/13/2019 03:26	SS
98-82-8	Isopropylbenzene	92		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/13/2019 03:26	SS
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/12/2019 07:30	03/13/2019 03:26	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/13/2019 03:26	SS
108-87-2	Methylcyclohexane	120		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/12/2019 07:30	03/13/2019 03:26	SS
75-09-2	Methylene chloride	1.9	J	ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/13/2019 03:26	SS
104-51-8	n-Butylbenzene	43	CCV-E	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/13/2019 03:26	SS
103-65-1	n-Propylbenzene	290		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/14/2019 07:30	03/14/2019 13:14	RDS
95-47-6	o-Xylene	4.6		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/12/2019 07:30	03/13/2019 03:26	SS
179601-23-1	p- & m- Xylenes	84		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/12/2019 07:30	03/13/2019 03:26	SS
99-87-6	p-Isopropyltoluene	3.4		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/13/2019 03:26	SS
135-98-8	sec-Butylbenzene	38		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/13/2019 03:26	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/13/2019 03:26	SS



Sample Information

Client Sample ID: MW4

York Sample ID: 19C0296-02

York Project (SDG) No.

19C0296

Client Project ID

Boemia 100 E.149th Street Bronx NY

Matrix

Water

Collection Date/Time

March 7, 2019 3:00 am

Date Received

03/08/2019

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
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	2.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/12/2019 07:30	03/13/2019 03:26	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/13/2019 03:26	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/13/2019 03:26	SS
108-88-3	Toluene	3.9		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/13/2019 03:26	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/13/2019 03:26	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/13/2019 03:26	SS
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,NJ	03/12/2019 07:30	03/13/2019 03:26	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/13/2019 03:26	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/13/2019 03:26	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/13/2019 03:26	SS
1330-20-7	Xylenes, Total	89		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/12/2019 07:30	03/13/2019 03:26	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	95.4 %	69-130								
2037-26-5	Surrogate: SURRE: Toluene-d8	110 %	81-117								
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	111 %	79-122								

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:50	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:50	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:50	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/12/2019 08:26	03/13/2019 17:50	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:50	KH



Sample Information

Client Sample ID: MW4

York Sample ID: 19C0296-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C0296

Boemia 100 E.149th Street Bronx NY

Water

March 7, 2019 3:00 am

03/08/2019

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
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/12/2019 08:26	03/13/2019 17:50	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/12/2019 08:26	03/13/2019 17:50	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:50	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:50	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:50	KH
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:50	KH
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:50	KH
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:50	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:50	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:50	KH
91-58-7	2-Chloronaphthalene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:50	KH
95-57-8	2-Chlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:50	KH
91-57-6	2-Methylnaphthalene	10.8		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:50	KH
95-48-7	2-Methylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:50	KH
88-74-4	2-Nitroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:50	KH
88-75-5	2-Nitrophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:50	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:50	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:50	KH
99-09-2	3-Nitroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:50	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:50	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:50	KH



Sample Information

Client Sample ID: MW4

York Sample ID: 19C0296-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C0296

Boemia 100 E.149th Street Bronx NY

Water

March 7, 2019 3:00 am

03/08/2019

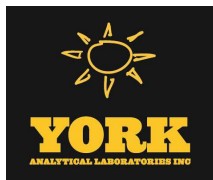
Semi-Volatiles, 8270 - Comprehensive

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
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:50	KH
106-47-8	4-Chloroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:50	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:50	KH
100-01-6	4-Nitroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:50	KH
100-02-7	4-Nitrophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:50	KH
83-32-9	Acenaphthene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:50	KH
208-96-8	Acenaphthylene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:50	KH
98-86-2	Acetophenone	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:50	KH
62-53-3	Aniline	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:50	KH
120-12-7	Anthracene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:50	KH
1912-24-9	Atrazine	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:50	KH
100-52-7	Benzaldehyde	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:50	KH
92-87-5	Benzidine	ND		ug/L	10.5	21.1	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:50	KH
56-55-3	Benzo(a)anthracene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:50	KH
50-32-8	Benzo(a)pyrene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:50	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:50	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:50	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:50	KH
65-85-0	Benzoic acid	ND		ug/L	26.3	52.6	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:50	KH
100-51-6	Benzyl alcohol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:50	KH
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:50	KH



Sample Information

Client Sample ID: MW4

York Sample ID: 19C0296-02

York Project (SDG) No.
19C0296

Client Project ID
Boemia 100 E.149th Street Bronx NY

Matrix
Water

Collection Date/Time
March 7, 2019 3:00 am

Date Received
03/08/2019

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
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:50	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:50	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:50	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:50	KH
105-60-2	Caprolactam	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:50	KH
86-74-8	Carbazole	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:50	KH
218-01-9	Chrysene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:50	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:50	KH
132-64-9	Dibenzofuran	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:50	KH
84-66-2	Diethyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:50	KH
131-11-3	Dimethyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:50	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:50	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:50	KH
206-44-0	Fluoranthene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:50	KH
86-73-7	Fluorene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:50	KH
118-74-1	Hexachlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:50	KH
87-68-3	Hexachlorobutadiene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:50	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:50	KH
67-72-1	Hexachloroethane	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:50	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:50	KH
78-59-1	Isophorone	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:50	KH



Sample Information

Client Sample ID: MW4

York Sample ID: 19C0296-02

York Project (SDG) No.

19C0296

Client Project ID

Boemia 100 E.149th Street Bronx NY

Matrix

Water

Collection Date/Time

March 7, 2019 3:00 am

Date Received

03/08/2019

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
91-20-3	Naphthalene	65.7		ug/L	5.26	10.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/14/2019 11:19	KH
98-95-3	Nitrobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:50	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:50	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:50	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:50	KH
87-86-5	Pentachlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:50	KH
85-01-8	Phenanthrene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:50	KH
108-95-2	Phenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:50	KH
129-00-0	Pyrene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 17:50	KH
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	37.5 %	19.7-63.1								
4165-62-2	Surrogate: SURR: Phenol-d5	21.9 %	10.1-41.7								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	65.1 %	50.2-113								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	74.2 %	39.9-105								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	99.1 %	39.3-151								
1718-51-0	Surrogate: SURR: Terphenyl-d14	73.4 %	30.7-106								

Pesticides, 8081 target list

Log-in Notes:

Sample Notes: EXT-EM

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 08:16	CM
72-55-9	4,4'-DDE	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 08:16	CM
50-29-3	4,4'-DDT	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 08:16	CM
309-00-2	Aldrin	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 08:16	CM
319-84-6	alpha-BHC	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 08:16	CM



Sample Information

Client Sample ID: MW4

York Sample ID: 19C0296-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C0296

Boemia 100 E.149th Street Bronx NY

Water

March 7, 2019 3:00 am

03/08/2019

Pesticides, 8081 target list

Log-in Notes:

Sample Notes: EXT-EM

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
5103-71-9	alpha-Chlordane	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 08:16	CM
319-85-7	beta-BHC	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 08:16	CM
57-74-9	Chlordane, total	ND		ug/L	0.0205	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 08:16	CM
319-86-8	delta-BHC	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 08:16	CM
60-57-1	Dieldrin	ND		ug/L	0.00205	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 08:16	CM
959-98-8	Endosulfan I	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 08:16	CM
33213-65-9	Endosulfan II	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 08:16	CM
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 08:16	CM
72-20-8	Endrin	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 08:16	CM
7421-93-4	Endrin aldehyde	ND		ug/L	0.0103	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 08:16	CM
53494-70-5	Endrin ketone	ND		ug/L	0.0103	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 08:16	CM
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 08:16	CM
5566-34-7	gamma-Chlordane	ND		ug/L	0.0103	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 08:16	CM
76-44-8	Heptachlor	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 08:16	CM
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 08:16	CM
72-43-5	Methoxychlor	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 08:16	CM
8001-35-2	Toxaphene	ND		ug/L	0.103	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 08:16	CM
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	39.0 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	61.1 %	30-150							

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes: EXT-EM

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

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



Sample Information

Client Sample ID: MW4

York Sample ID: 19C0296-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C0296

Boemia 100 E.149th Street Bronx NY

Water

March 7, 2019 3:00 am

03/08/2019

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes: EXT-EM

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 13:54	TJD
11104-28-2	Aroclor 1221	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 13:54	TJD
11141-16-5	Aroclor 1232	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 13:54	TJD
53469-21-9	Aroclor 1242	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 13:54	TJD
12672-29-6	Aroclor 1248	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 13:54	TJD
11097-69-1	Aroclor 1254	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 13:54	TJD
11096-82-5	Aroclor 1260	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 13:54	TJD
1336-36-3	* Total PCBs	ND		ug/L	0.0513	1	EPA 8082A Certifications:	03/12/2019 08:31	03/14/2019 13:54	TJD
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	42.0 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	88.6 %	30-120							

Metals, Target Analyte

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	2.60		mg/L	0.056	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 12:00	03/11/2019 17:15	KML
7440-36-0	Antimony	ND		mg/L	0.028	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 12:00	03/11/2019 17:15	KML
7440-38-2	Arsenic	ND		mg/L	0.017	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 12:00	03/11/2019 17:15	KML
7440-39-3	Barium	0.059		mg/L	0.028	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 12:00	03/11/2019 17:15	KML
7440-41-7	Beryllium	ND		mg/L	0.0006	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 12:00	03/11/2019 17:15	KML
7440-43-9	Cadmium	ND		mg/L	0.003	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 12:00	03/11/2019 17:15	KML
7440-70-2	Calcium	44.8		mg/L	0.056	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 12:00	03/11/2019 17:15	KML
7440-47-3	Chromium	0.007		mg/L	0.006	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 12:00	03/11/2019 17:15	KML
7440-48-4	Cobalt	ND		mg/L	0.004	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 12:00	03/11/2019 17:15	KML



Sample Information

Client Sample ID: MW4

York Sample ID: 19C0296-02

York Project (SDG) No.
19C0296

Client Project ID
Boemia 100 E.149th Street Bronx NY

Matrix
Water

Collection Date/Time
March 7, 2019 3:00 am

Date Received
03/08/2019

Metals, Target Analyte

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
7440-50-8	Copper	ND		mg/L	0.022	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 12:00	03/11/2019 17:15	KML
7439-89-6	Iron	4.13		mg/L	0.278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 12:00	03/11/2019 17:15	KML
7439-92-1	Lead	0.055		mg/L	0.006	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 12:00	03/11/2019 17:15	KML
7439-95-4	Magnesium	9.04		mg/L	0.056	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 12:00	03/11/2019 17:15	KML
7439-96-5	Manganese	0.187		mg/L	0.006	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 12:00	03/11/2019 17:15	KML
7440-02-0	Nickel	ND		mg/L	0.011	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 12:00	03/11/2019 17:15	KML
7440-09-7	Potassium	4.97		mg/L	0.056	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 12:00	03/11/2019 17:15	KML
7782-49-2	Selenium	ND		mg/L	0.028	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 12:00	03/11/2019 17:15	KML
7440-22-4	Silver	ND		mg/L	0.006	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 12:00	03/11/2019 17:15	KML
7440-23-5	Sodium	47.5		mg/L	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 12:00	03/11/2019 17:15	KML
7440-28-0	Thallium	ND		mg/L	0.028	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 12:00	03/11/2019 17:15	KML
7440-62-2	Vanadium	ND		mg/L	0.011	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 12:00	03/11/2019 17:15	KML
7440-66-6	Zinc	0.038		mg/L	0.028	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 12:00	03/11/2019 17:15	KML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00020	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 11:13	03/13/2019 13:41	SY



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
19C0296-01	MW3	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
19C0296-02	MW4	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

SCAL-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%).
S-08	The recovery of this surrogate was outside of QC limits.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
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-ICV	The recovery for this element in the ICV was outside the 95-105% Recovery criteria for EPA 200.7
M-CRL	The RL check for this element recovered outside of control limits.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
EXT-EM	The sample exhibited emulsion formation during the extraction process. This may affect surrogate recoveries.
EXT-D	The sample submitted contained sediment. The aqueous portion was decanted off, the volume measured and used for the extraction. The sediment was not included in the extraction.
CCV-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.



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

YORK
ANALYTICAL LABORATORIES, INC.

Field Chain-of-Custody Record

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

YORK Project No. <u>19C0296</u>			
Page <u>1</u> of <u>1</u>			
YOUR Information		Report To:	
Company: <u>Eastern Environmental</u>	Company: <u>Same</u>	Invoice To:	
Address: <u>258 Line Rd</u>	Address: <u>Same</u>	YOUR Project Number	
City: <u>Marysville, NY</u>	City: <u>Same</u>	YOUR Project Name	
Phone: <u>631-727-2700</u>	Phone: <u>Same</u>	YOUR PO#:	
Contact: <u>Jim Mulvey</u>	Contact: <u>Same</u>	Turn-Around Time	
E-mail: <u>mulveyj@easternenviro.com</u>	E-mail: <u>Same</u>	RUSH - Next Day	
Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.		RUSH - Two Day	
Signature: <u>Michael P. Flynn</u>		RUSH - Three Day	
Signature: <u>Michael P. Flynn</u>		RUSH - Four Day	
Signature: <u>Michael P. Flynn</u>		Standard (5-7 Day) <u>X</u>	
Matrix Codes		Report / EDD Type (circle selections)	
S - soil / solid	Summary Report	CT RCP	Standard Excel EDD
GW - groundwater	QA Report	CT RCP DQA/DUE	EQULS (Standard)
DW - drinking water	NY ASP A Package	NJDEP Reduced Deliverables	NYSDEC EQULS
WW - wastewater	NY ASP B Package	NJDEP SRP HazSite	
O - Oil ; Other	Other	NJDKQP	Other:
Sample Matrix		Analysis Requested	
GW	317 3:00	VOC (8260) <u>SWOC (8270) Pest PCB (808182)</u>	
GW	317/14:3:00	Metals (7471)	
Sample Identification		Container Description	
MW3		4 Amber 3 Vials	
MW4		2 Plastic	
Comments:		Preservation: (check all that apply)	
		HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___ ZnAc ___	
		Ascorbic Acid ___ Other: ___	
Samples Relinquished by / Company		Date/Time	
Michael P. Flynn		3/8/14 1:22 PM	
Samples Received by / Company		Date/Time	
K. Baharwal		3/8/14 16:32	
Samples Relinquished by / Company		Date/Time	
Michael P. Flynn		3/8/14 16:32	
Samples Received by / Company		Date/Time	
K. Baharwal		3/8/14 16:32	



Technical Report

prepared for:

Eastern Environmental Solutions

258 Line Road

Manorville NY, 11949

Attention: Michael P. Flynn

Report Date: 03/14/2019

Client Project ID: Boemia 100 E.149th Street Bronx NY

York Project (SDG) No.: 19C0297

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

120 RESEARCH DRIVE
www.YORKLAB.com

STRATFORD, CT 06615
(203) 325-1371

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

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 03/14/2019
Client Project ID: Boemia 100 E.149th Street Bronx NY
York Project (SDG) No.: 19C0297

Eastern Environmental Solutions
258 Line Road
Manorville NY, 11949
Attention: Michael P. Flynn

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on March 08, 2019 with a temperature of 2.6 C. The project was identified as your project: **Boemia 100 E.149th Street Bronx NY.**

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>
19C0297-01	MW1	Water	03/07/2019	03/08/2019
19C0297-02	MW2	Water	03/07/2019	03/08/2019

General Notes for York Project (SDG) No.: 19C0297

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

Approved By:



Benjamin Gulizia
Laboratory Director

Date: 03/14/2019





Sample Information

Client Sample ID: MW1

York Sample ID: 19C0297-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C0297

Boemia 100 E.149th Street Bronx NY

Water

March 7, 2019 1:00 pm

03/08/2019

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	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 20:49	RDS
71-55-6	1,1,1-Trichloroethane	ND	IS-HI	ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 20:49	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 20:49	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	IS-HI	ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 20:49	RDS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 20:49	RDS
75-34-3	1,1-Dichloroethane	ND	IS-HI	ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 20:49	RDS
75-35-4	1,1-Dichloroethylene	ND	IS-HI	ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 20:49	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.40	4.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/13/2019 12:24	03/13/2019 20:49	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/13/2019 12:24	03/13/2019 20:49	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/13/2019 12:24	03/13/2019 20:49	RDS
95-63-6	1,2,4-Trimethylbenzene	110		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 20:49	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 20:49	RDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 20:49	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 20:49	RDS
107-06-2	1,2-Dichloroethane	ND	IS-HI	ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 20:49	RDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 20:49	RDS
108-67-8	1,3,5-Trimethylbenzene	54		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 20:49	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 20:49	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 20:49	RDS
123-91-1	1,4-Dioxane	ND		ug/L	80	80	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/13/2019 12:24	03/13/2019 20:49	RDS
78-93-3	2-Butanone	10	IS-HI, CCV-E	ug/L	0.40	4.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 20:49	RDS



Sample Information

Client Sample ID: MW1

York Sample ID: 19C0297-01

York Project (SDG) No.
19C0297

Client Project ID
Boemia 100 E.149th Street Bronx NY

Matrix
Water

Collection Date/Time
March 7, 2019 1:00 pm

Date Received
03/08/2019

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	0.40	4.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 20:49	RDS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 20:49	RDS
67-64-1	Acetone	14	IS-HI, CCV-E	ug/L	2.0	4.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 20:49	RDS
107-02-8	Acrolein	ND	IS-HI	ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 20:49	RDS
107-13-1	Acrylonitrile	ND	IS-HI	ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 20:49	RDS
71-43-2	Benzene	54	IS-HI	ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 20:49	RDS
74-97-5	Bromochloromethane	ND	IS-HI	ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/13/2019 12:24	03/13/2019 20:49	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 20:49	RDS
75-25-2	Bromoform	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 20:49	RDS
74-83-9	Bromomethane	ND	IS-HI	ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 20:49	RDS
75-15-0	Carbon disulfide	0.70	IS-HI, J	ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 20:49	RDS
56-23-5	Carbon tetrachloride	ND	IS-HI	ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 20:49	RDS
108-90-7	Chlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 20:49	RDS
75-00-3	Chloroethane	ND	IS-HI	ug/L	0.40	4.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 20:49	RDS
67-66-3	Chloroform	ND	IS-HI	ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 20:49	RDS
74-87-3	Chloromethane	ND	IS-HI	ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 20:49	RDS
156-59-2	cis-1,2-Dichloroethylene	ND	IS-HI	ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 20:49	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 20:49	RDS
110-82-7	Cyclohexane	200	IS-HI, E	ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/13/2019 12:24	03/13/2019 20:49	RDS
124-48-1	Dibromochloromethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 20:49	RDS
74-95-3	Dibromomethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/13/2019 12:24	03/13/2019 20:49	RDS
75-71-8	Dichlorodifluoromethane	ND	IS-HI	ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/13/2019 12:24	03/13/2019 20:49	RDS



Sample Information

Client Sample ID: MW1

York Sample ID: 19C0297-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C0297

Boemia 100 E.149th Street Bronx NY

Water

March 7, 2019 1:00 pm

03/08/2019

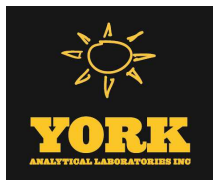
Volatile Organics, 8260 - Comprehensive

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	61		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 20:49	RDS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/13/2019 12:24	03/13/2019 20:49	RDS
98-82-8	Isopropylbenzene	37		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 20:49	RDS
79-20-9	Methyl acetate	ND	IS-HI	ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/13/2019 12:24	03/13/2019 20:49	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	IS-HI	ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 20:49	RDS
108-87-2	Methylcyclohexane	400		ug/L	1.0	2.5	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/13/2019 12:24	03/13/2019 21:18	RDS
75-09-2	Methylene chloride	ND	IS-HI	ug/L	2.0	4.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 20:49	RDS
104-51-8	n-Butylbenzene	17		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 20:49	RDS
103-65-1	n-Propylbenzene	81		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 20:49	RDS
95-47-6	o-Xylene	12		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/13/2019 12:24	03/13/2019 20:49	RDS
179601-23-1	p- & m- Xylenes	54		ug/L	1.0	2.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/13/2019 12:24	03/13/2019 20:49	RDS
99-87-6	p-Isopropyltoluene	8.8		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 20:49	RDS
135-98-8	sec-Butylbenzene	8.6		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 20:49	RDS
100-42-5	Styrene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 20:49	RDS
75-65-0	tert-Butyl alcohol (TBA)	ND	IS-HI	ug/L	1.0	5.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/13/2019 12:24	03/13/2019 20:49	RDS
98-06-6	tert-Butylbenzene	1.2		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 20:49	RDS
127-18-4	Tetrachloroethylene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 20:49	RDS
108-88-3	Toluene	14		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 20:49	RDS
156-60-5	trans-1,2-Dichloroethylene	ND	IS-HI	ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 20:49	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 20:49	RDS
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 20:49	RDS
79-01-6	Trichloroethylene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 20:49	RDS



Sample Information

Client Sample ID: MW1

York Sample ID: 19C0297-01

York Project (SDG) No.

19C0297

Client Project ID

Boemia 100 E.149th Street Bronx NY

Matrix

Water

Collection Date/Time

March 7, 2019 1:00 pm

Date Received

03/08/2019

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	IS-HI	ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 20:49	RDS
75-01-4	Vinyl Chloride	ND	IS-HI	ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 20:49	RDS
1330-20-7	Xylenes, Total	66		ug/L	1.2	3.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 20:49	RDS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	75.2 %	IS-HI		69-130						
2037-26-5	Surrogate: SURR: Toluene-d8	92.0 %			81-117						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	110 %			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	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:20	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:20	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:20	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/12/2019 08:26	03/13/2019 18:20	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:20	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/12/2019 08:26	03/13/2019 18:20	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/12/2019 08:26	03/13/2019 18:20	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:20	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:20	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:20	KH
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:20	KH
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:20	KH
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:20	KH



Sample Information

Client Sample ID: MW1

York Sample ID: 19C0297-01

York Project (SDG) No.
19C0297

Client Project ID
Boemia 100 E.149th Street Bronx NY

Matrix
Water

Collection Date/Time
March 7, 2019 1:00 pm

Date Received
03/08/2019

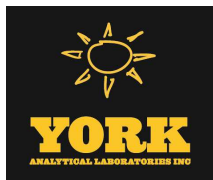
Semi-Volatiles, 8270 - Comprehensive

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	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:20	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:20	KH
91-58-7	2-Chloronaphthalene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:20	KH
95-57-8	2-Chlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:20	KH
91-57-6	2-Methylnaphthalene	23.0		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:20	KH
95-48-7	2-Methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:20	KH
88-74-4	2-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:20	KH
88-75-5	2-Nitrophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:20	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:20	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:20	KH
99-09-2	3-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:20	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:20	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:20	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:20	KH
106-47-8	4-Chloroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:20	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:20	KH
100-01-6	4-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:20	KH
100-02-7	4-Nitrophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:20	KH
83-32-9	Acenaphthene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:20	KH
208-96-8	Acenaphthylene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:20	KH
98-86-2	Acetophenone	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:20	KH



Sample Information

Client Sample ID: MW1

York Sample ID: 19C0297-01

York Project (SDG) No.

19C0297

Client Project ID

Boemia 100 E.149th Street Bronx NY

Matrix

Water

Collection Date/Time

March 7, 2019 1:00 pm

Date Received

03/08/2019

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
62-53-3	Aniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:20	KH
120-12-7	Anthracene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:20	KH
1912-24-9	Atrazine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:20	KH
100-52-7	Benzaldehyde	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:20	KH
92-87-5	Benzidine	ND		ug/L	10.0	20.0	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:20	KH
56-55-3	Benzo(a)anthracene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:20	KH
50-32-8	Benzo(a)pyrene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:20	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:20	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:20	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:20	KH
65-85-0	Benzoic acid	ND		ug/L	25.0	50.0	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:20	KH
100-51-6	Benzyl alcohol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:20	KH
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:20	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:20	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:20	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:20	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:20	KH
105-60-2	Caprolactam	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:20	KH
86-74-8	Carbazole	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:20	KH
218-01-9	Chrysene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:20	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:20	KH



Sample Information

Client Sample ID: MW1

York Sample ID: 19C0297-01

York Project (SDG) No.
19C0297

Client Project ID
Boemia 100 E.149th Street Bronx NY

Matrix
Water

Collection Date/Time
March 7, 2019 1:00 pm

Date Received
03/08/2019

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
132-64-9	Dibenzofuran	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:20	KH
84-66-2	Diethyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:20	KH
131-11-3	Dimethyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:20	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:20	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:20	KH
206-44-0	Fluoranthene	2.66	J	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:20	KH
86-73-7	Fluorene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:20	KH
118-74-1	Hexachlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:20	KH
87-68-3	Hexachlorobutadiene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:20	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:20	KH
67-72-1	Hexachloroethane	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:20	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:20	KH
78-59-1	Isophorone	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:20	KH
91-20-3	Naphthalene	51.1		ug/L	5.00	10.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/14/2019 11:49	KH
98-95-3	Nitrobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:20	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:20	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:20	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:20	KH
87-86-5	Pentachlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:20	KH
85-01-8	Phenanthrene	4.06	J	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:20	KH
108-95-2	Phenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:20	KH
129-00-0	Pyrene	3.06	J	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:20	KH



Sample Information

Client Sample ID: MW1

York Sample ID: 19C0297-01

York Project (SDG) No.

19C0297

Client Project ID

Boemia 100 E.149th Street Bronx NY

Matrix

Water

Collection Date/Time

March 7, 2019 1:00 pm

Date Received

03/08/2019

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: SURR: 2-Fluorophenol	38.6 %			19.7-63.1						
4165-62-2	Surrogate: SURR: Phenol-d5	24.0 %			10.1-41.7						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	78.1 %			50.2-113						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	82.6 %			39.9-105						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	112 %			39.3-151						
1718-51-0	Surrogate: SURR: Terphenyl-d14	73.8 %			30.7-106						

Pesticides, 8081 target list

Log-in Notes:

Sample Notes: EXT-EM

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 08:31	CM
72-55-9	4,4'-DDE	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 08:31	CM
50-29-3	4,4'-DDT	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 08:31	CM
309-00-2	Aldrin	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 08:31	CM
319-84-6	alpha-BHC	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 08:31	CM
5103-71-9	alpha-Chlordane	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 08:31	CM
319-85-7	beta-BHC	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 08:31	CM
57-74-9	Chlordane, total	ND		ug/L	0.0205	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 08:31	CM
319-86-8	delta-BHC	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 08:31	CM
60-57-1	Dieldrin	ND		ug/L	0.00205	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 08:31	CM
959-98-8	Endosulfan I	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 08:31	CM
33213-65-9	Endosulfan II	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 08:31	CM
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 08:31	CM
72-20-8	Endrin	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 08:31	CM



Sample Information

Client Sample ID: MW1

York Sample ID: 19C0297-01

York Project (SDG) No.

19C0297

Client Project ID

Boemia 100 E.149th Street Bronx NY

Matrix

Water

Collection Date/Time

March 7, 2019 1:00 pm

Date Received

03/08/2019

Pesticides, 8081 target list

Log-in Notes:

Sample Notes: EXT-EM

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7421-93-4	Endrin aldehyde	ND		ug/L	0.0103	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 08:31	CM
53494-70-5	Endrin ketone	ND		ug/L	0.0103	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 08:31	CM
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 08:31	CM
5566-34-7	gamma-Chlordane	ND		ug/L	0.0103	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 08:31	CM
76-44-8	Heptachlor	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 08:31	CM
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 08:31	CM
72-43-5	Methoxychlor	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 08:31	CM
8001-35-2	Toxaphene	ND		ug/L	0.103	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 08:31	CM
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	41.5 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	33.1 %	30-150							

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes: EXT-EM

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 14:07	TJD
11104-28-2	Aroclor 1221	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 14:07	TJD
11141-16-5	Aroclor 1232	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 14:07	TJD
53469-21-9	Aroclor 1242	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 14:07	TJD
12672-29-6	Aroclor 1248	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 14:07	TJD
11097-69-1	Aroclor 1254	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 14:07	TJD
11096-82-5	Aroclor 1260	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 14:07	TJD
1336-36-3	* Total PCBs	ND		ug/L	0.0513	1	EPA 8082A Certifications:	03/12/2019 08:31	03/14/2019 14:07	TJD
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	49.8 %	30-120							



Sample Information

Client Sample ID: MW1

York Sample ID: 19C0297-01

York Project (SDG) No.
19C0297

Client Project ID
Boemia 100 E.149th Street Bronx NY

Matrix
Water

Collection Date/Time
March 7, 2019 1:00 pm

Date Received
03/08/2019

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes: EXT-EM

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2051-24-3	Surrogate: Decachlorobiphenyl	80.9 %			30-120					

Metals, Target Analyte

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	33.6		mg/L	0.056	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 12:00	03/11/2019 17:18	KML
7440-36-0	Antimony	ND		mg/L	0.028	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 12:00	03/11/2019 17:18	KML
7440-38-2	Arsenic	ND		mg/L	0.017	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 12:00	03/11/2019 17:18	KML
7440-39-3	Barium	0.934		mg/L	0.028	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 12:00	03/11/2019 17:18	KML
7440-41-7	Beryllium	0.003		mg/L	0.0006	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 12:00	03/11/2019 17:18	KML
7440-43-9	Cadmium	ND		mg/L	0.003	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 12:00	03/11/2019 17:18	KML
7440-70-2	Calcium	247		mg/L	0.056	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 12:00	03/11/2019 17:18	KML
7440-47-3	Chromium	0.100		mg/L	0.006	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 12:00	03/11/2019 17:18	KML
7440-48-4	Cobalt	0.036		mg/L	0.004	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 12:00	03/11/2019 17:18	KML
7440-50-8	Copper	0.058		mg/L	0.022	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 12:00	03/11/2019 17:18	KML
7439-89-6	Iron	117		mg/L	2.78	10	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 12:00	03/14/2019 13:35	KML
7439-92-1	Lead	0.912		mg/L	0.006	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 12:00	03/11/2019 17:18	KML
7439-95-4	Magnesium	34.4		mg/L	0.056	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 12:00	03/11/2019 17:18	KML
7439-96-5	Manganese	3.43		mg/L	0.006	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 12:00	03/11/2019 17:18	KML
7440-02-0	Nickel	0.073		mg/L	0.011	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 12:00	03/11/2019 17:18	KML
7440-09-7	Potassium	13.4		mg/L	0.056	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 12:00	03/11/2019 17:18	KML
7782-49-2	Selenium	ND		mg/L	0.028	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 12:00	03/11/2019 17:18	KML
7440-22-4	Silver	ND		mg/L	0.006	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 12:00	03/11/2019 17:18	KML
7440-23-5	Sodium	49.7		mg/L	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 12:00	03/11/2019 17:18	KML



Sample Information

Client Sample ID: MW1

York Sample ID: 19C0297-01

York Project (SDG) No.
19C0297

Client Project ID
Boemia 100 E.149th Street Bronx NY

Matrix
Water

Collection Date/Time
March 7, 2019 1:00 pm

Date Received
03/08/2019

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-28-0	Thallium	ND		mg/L	0.028	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 12:00	03/11/2019 17:18	KML
7440-62-2	Vanadium	0.188		mg/L	0.011	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 12:00	03/11/2019 17:18	KML
7440-66-6	Zinc	1.84		mg/L	0.028	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 12:00	03/11/2019 17:18	KML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00020	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 11:13	03/13/2019 15:01	SY

Sample Information

Client Sample ID: MW2

York Sample ID: 19C0297-02

York Project (SDG) No.
19C0297

Client Project ID
Boemia 100 E.149th Street Bronx NY

Matrix
Water

Collection Date/Time
March 7, 2019 2:00 pm

Date Received
03/08/2019

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	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 21:46	RDS
71-55-6	1,1,1-Trichloroethane	ND	IS-HI	ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 21:46	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 21:46	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	IS-HI	ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 21:46	RDS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 21:46	RDS
75-34-3	1,1-Dichloroethane	ND	IS-HI	ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 21:46	RDS
75-35-4	1,1-Dichloroethylene	ND	IS-HI	ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 21:46	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.40	4.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/13/2019 12:24	03/13/2019 21:46	RDS



Sample Information

Client Sample ID: MW2

York Sample ID: 19C0297-02

York Project (SDG) No.

19C0297

Client Project ID

Boemia 100 E.149th Street Bronx NY

Matrix

Water

Collection Date/Time

March 7, 2019 2:00 pm

Date Received

03/08/2019

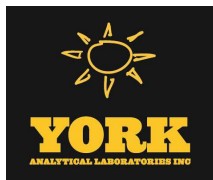
Volatile Organics, 8260 - Comprehensive

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
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/13/2019 12:24	03/13/2019 21:46	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/13/2019 12:24	03/13/2019 21:46	RDS
95-63-6	1,2,4-Trimethylbenzene	21		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 21:46	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 21:46	RDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 21:46	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 21:46	RDS
107-06-2	1,2-Dichloroethane	ND	IS-HI	ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 21:46	RDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 21:46	RDS
108-67-8	1,3,5-Trimethylbenzene	9.9		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 21:46	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 21:46	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 21:46	RDS
123-91-1	1,4-Dioxane	ND		ug/L	80	80	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/13/2019 12:24	03/13/2019 21:46	RDS
78-93-3	2-Butanone	43	IS-HI, CCV-E	ug/L	0.40	4.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 21:46	RDS
591-78-6	2-Hexanone	ND		ug/L	0.40	4.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 21:46	RDS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 21:46	RDS
67-64-1	Acetone	55	CCV-E , IS-HI	ug/L	2.0	4.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 21:46	RDS
107-02-8	Acrolein	ND	IS-HI	ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 21:46	RDS
107-13-1	Acrylonitrile	ND	IS-HI	ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 21:46	RDS
71-43-2	Benzene	86	IS-HI	ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 21:46	RDS
74-97-5	Bromochloromethane	ND	IS-HI	ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/13/2019 12:24	03/13/2019 21:46	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 21:46	RDS
75-25-2	Bromoform	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 21:46	RDS



Sample Information

Client Sample ID: MW2

York Sample ID: 19C0297-02

York Project (SDG) No.

19C0297

Client Project ID

Boemia 100 E.149th Street Bronx NY

Matrix

Water

Collection Date/Time

March 7, 2019 2:00 pm

Date Received

03/08/2019

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
74-83-9	Bromomethane	ND	IS-HI	ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 21:46	RDS
75-15-0	Carbon disulfide	1.5	IS-HI	ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 21:46	RDS
56-23-5	Carbon tetrachloride	ND	IS-HI	ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 21:46	RDS
108-90-7	Chlorobenzene	0.74	J	ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 21:46	RDS
75-00-3	Chloroethane	ND	IS-HI	ug/L	0.40	4.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 21:46	RDS
67-66-3	Chloroform	ND	IS-HI	ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 21:46	RDS
74-87-3	Chloromethane	ND	IS-HI	ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 21:46	RDS
156-59-2	cis-1,2-Dichloroethylene	ND	IS-HI	ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 21:46	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 21:46	RDS
110-82-7	Cyclohexane	280	IS-HI, E	ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/13/2019 12:24	03/13/2019 21:46	RDS
124-48-1	Dibromochloromethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 21:46	RDS
74-95-3	Dibromomethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/13/2019 12:24	03/13/2019 21:46	RDS
75-71-8	Dichlorodifluoromethane	ND	IS-HI	ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/13/2019 12:24	03/13/2019 21:46	RDS
100-41-4	Ethyl Benzene	50		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 21:46	RDS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/13/2019 12:24	03/13/2019 21:46	RDS
98-82-8	Isopropylbenzene	53		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 21:46	RDS
79-20-9	Methyl acetate	ND	IS-HI	ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/13/2019 12:24	03/13/2019 21:46	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	IS-HI	ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 21:46	RDS
108-87-2	Methylcyclohexane	460		ug/L	1.0	2.5	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/13/2019 12:24	03/13/2019 22:15	RDS
75-09-2	Methylene chloride	ND	IS-HI	ug/L	2.0	4.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 21:46	RDS
104-51-8	n-Butylbenzene	30		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 21:46	RDS
103-65-1	n-Propylbenzene	120		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 21:46	RDS



Sample Information

Client Sample ID: MW2

York Sample ID: 19C0297-02

York Project (SDG) No.

19C0297

Client Project ID

Boemia 100 E.149th Street Bronx NY

Matrix

Water

Collection Date/Time

March 7, 2019 2:00 pm

Date Received

03/08/2019

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
95-47-6	o-Xylene	9.0		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/13/2019 12:24	03/13/2019 21:46	RDS
179601-23-1	p- & m- Xylenes	35		ug/L	1.0	2.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	03/13/2019 12:24	03/13/2019 21:46	RDS
99-87-6	p-Isopropyltoluene	8.3		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 21:46	RDS
135-98-8	sec-Butylbenzene	12		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 21:46	RDS
100-42-5	Styrene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 21:46	RDS
75-65-0	tert-Butyl alcohol (TBA)	ND	IS-HI	ug/L	1.0	5.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	03/13/2019 12:24	03/13/2019 21:46	RDS
98-06-6	tert-Butylbenzene	1.4		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 21:46	RDS
127-18-4	Tetrachloroethylene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 21:46	RDS
108-88-3	Toluene	18		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 21:46	RDS
156-60-5	trans-1,2-Dichloroethylene	ND	IS-HI	ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 21:46	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 21:46	RDS
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 21:46	RDS
79-01-6	Trichloroethylene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 21:46	RDS
75-69-4	Trichlorofluoromethane	ND	IS-HI	ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 21:46	RDS
75-01-4	Vinyl Chloride	ND	IS-HI	ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 21:46	RDS
1330-20-7	Xylenes, Total	44		ug/L	1.2	3.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	03/13/2019 12:24	03/13/2019 21:46	RDS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	88.8 %	IS-HI		69-130						
2037-26-5	Surrogate: SURR: Toluene-d8	91.7 %			81-117						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	117 %			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



Sample Information

Client Sample ID: MW2

York Sample ID: 19C0297-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C0297

Boemia 100 E.149th Street Bronx NY

Water

March 7, 2019 2:00 pm

03/08/2019

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	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:49	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:49	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:49	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/12/2019 08:26	03/13/2019 18:49	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:49	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/12/2019 08:26	03/13/2019 18:49	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/12/2019 08:26	03/13/2019 18:49	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:49	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:49	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:49	KH
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:49	KH
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:49	KH
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:49	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:49	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:49	KH
91-58-7	2-Chloronaphthalene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:49	KH
95-57-8	2-Chlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:49	KH
91-57-6	2-Methylnaphthalene	52.8		ug/L	12.5	25.0	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/14/2019 12:18	KH
95-48-7	2-Methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:49	KH
88-74-4	2-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:49	KH
88-75-5	2-Nitrophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:49	KH



Sample Information

Client Sample ID: MW2

York Sample ID: 19C0297-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C0297

Boemia 100 E.149th Street Bronx NY

Water

March 7, 2019 2:00 pm

03/08/2019

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
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:49	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:49	KH
99-09-2	3-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:49	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:49	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:49	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:49	KH
106-47-8	4-Chloroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:49	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:49	KH
100-01-6	4-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:49	KH
100-02-7	4-Nitrophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:49	KH
83-32-9	Acenaphthene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:49	KH
208-96-8	Acenaphthylene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:49	KH
98-86-2	Acetophenone	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:49	KH
62-53-3	Aniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:49	KH
120-12-7	Anthracene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:49	KH
1912-24-9	Atrazine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:49	KH
100-52-7	Benzaldehyde	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:49	KH
92-87-5	Benzidine	ND		ug/L	10.0	20.0	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:49	KH
56-55-3	Benzo(a)anthracene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:49	KH
50-32-8	Benzo(a)pyrene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:49	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:49	KH



Sample Information

Client Sample ID: MW2

York Sample ID: 19C0297-02

York Project (SDG) No.
19C0297

Client Project ID
Boemia 100 E.149th Street Bronx NY

Matrix
Water

Collection Date/Time
March 7, 2019 2:00 pm

Date Received
03/08/2019

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
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:49	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:49	KH
65-85-0	Benzoic acid	ND		ug/L	25.0	50.0	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:49	KH
100-51-6	Benzyl alcohol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:49	KH
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:49	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:49	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:49	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:49	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:49	KH
105-60-2	Caprolactam	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:49	KH
86-74-8	Carbazole	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:49	KH
218-01-9	Chrysene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:49	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:49	KH
132-64-9	Dibenzofuran	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:49	KH
84-66-2	Diethyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:49	KH
131-11-3	Dimethyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:49	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:49	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:49	KH
206-44-0	Fluoranthene	3.75	J	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:49	KH
86-73-7	Fluorene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:49	KH
118-74-1	Hexachlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:49	KH



Sample Information

Client Sample ID: MW2

York Sample ID: 19C0297-02

York Project (SDG) No.

19C0297

Client Project ID

Boemia 100 E.149th Street Bronx NY

Matrix

Water

Collection Date/Time

March 7, 2019 2:00 pm

Date Received

03/08/2019

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
87-68-3	Hexachlorobutadiene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:49	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:49	KH
67-72-1	Hexachloroethane	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:49	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:49	KH
78-59-1	Isophorone	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:49	KH
91-20-3	Naphthalene	114		ug/L	12.5	25.0	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/14/2019 12:18	KH
98-95-3	Nitrobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:49	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:49	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:49	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:49	KH
87-86-5	Pentachlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:49	KH
85-01-8	Phenanthrene	3.32	J	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:49	KH
108-95-2	Phenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:49	KH
129-00-0	Pyrene	3.73	J	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:26	03/13/2019 18:49	KH
	Surrogate Recoveries	Result			Acceptance Range						
367-12-4	Surrogate: SURR: 2-Fluorophenol	34.4 %			19.7-63.1						
4165-62-2	Surrogate: SURR: Phenol-d5	21.3 %			10.1-41.7						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	63.2 %			50.2-113						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	67.8 %			39.9-105						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	102 %			39.3-151						
1718-51-0	Surrogate: SURR: Terphenyl-d14	65.1 %			30.7-106						

Pesticides, 8081 target list

Log-in Notes:

Sample Notes: EXT-EM

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

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



Sample Information

Client Sample ID: MW2

York Sample ID: 19C0297-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C0297

Boemia 100 E.149th Street Bronx NY

Water

March 7, 2019 2:00 pm

03/08/2019

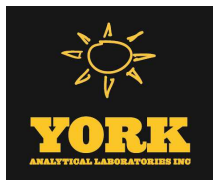
Pesticides, 8081 target list

Log-in Notes:

Sample Notes: EXT-EM

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 08:46	CM
72-55-9	4,4'-DDE	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 08:46	CM
50-29-3	4,4'-DDT	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 08:46	CM
309-00-2	Aldrin	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 08:46	CM
319-84-6	alpha-BHC	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 08:46	CM
5103-71-9	alpha-Chlordane	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 08:46	CM
319-85-7	beta-BHC	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 08:46	CM
57-74-9	Chlordane, total	ND		ug/L	0.0205	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 08:46	CM
319-86-8	delta-BHC	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 08:46	CM
60-57-1	Dieldrin	ND		ug/L	0.00205	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 08:46	CM
959-98-8	Endosulfan I	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 08:46	CM
33213-65-9	Endosulfan II	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 08:46	CM
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 08:46	CM
72-20-8	Endrin	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 08:46	CM
7421-93-4	Endrin aldehyde	ND		ug/L	0.0103	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 08:46	CM
53494-70-5	Endrin ketone	ND		ug/L	0.0103	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 08:46	CM
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 08:46	CM
5566-34-7	gamma-Chlordane	ND		ug/L	0.0103	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 08:46	CM
76-44-8	Heptachlor	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 08:46	CM
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 08:46	CM
72-43-5	Methoxychlor	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 08:46	CM



Sample Information

Client Sample ID: MW2

York Sample ID: 19C0297-02

York Project (SDG) No.
19C0297

Client Project ID
Boemia 100 E.149th Street Bronx NY

Matrix
Water

Collection Date/Time
March 7, 2019 2:00 pm

Date Received
03/08/2019

Pesticides, 8081 target list

Log-in Notes:

Sample Notes: EXT-EM

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND		ug/L	0.103	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 08:46	CM
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	56.4 %		30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	38.6 %		30-150						

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes: EXT-EM

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 14:21	TJD
11104-28-2	Aroclor 1221	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 14:21	TJD
11141-16-5	Aroclor 1232	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 14:21	TJD
53469-21-9	Aroclor 1242	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 14:21	TJD
12672-29-6	Aroclor 1248	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 14:21	TJD
11097-69-1	Aroclor 1254	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 14:21	TJD
11096-82-5	Aroclor 1260	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/12/2019 08:31	03/14/2019 14:21	TJD
1336-36-3	* Total PCBs	ND		ug/L	0.0513	1	EPA 8082A Certifications:	03/12/2019 08:31	03/14/2019 14:21	TJD
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	51.7 %		30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	84.6 %		30-120						

Metals, Target Analyte

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	54.1		mg/L	0.056	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 12:00	03/11/2019 17:20	KML
7440-36-0	Antimony	ND		mg/L	0.028	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 12:00	03/11/2019 17:20	KML
7440-38-2	Arsenic	0.064		mg/L	0.017	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 12:00	03/11/2019 17:20	KML



Sample Information

Client Sample ID: MW2

York Sample ID: 19C0297-02

York Project (SDG) No.

19C0297

Client Project ID

Boemia 100 E.149th Street Bronx NY

Matrix

Water

Collection Date/Time

March 7, 2019 2:00 pm

Date Received

03/08/2019

Metals, Target Analyte

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
7440-39-3	Barium	1.26		mg/L	0.028	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 12:00	03/11/2019 17:20	KML
7440-41-7	Beryllium	0.003		mg/L	0.0006	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 12:00	03/11/2019 17:20	KML
7440-43-9	Cadmium	ND		mg/L	0.003	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 12:00	03/11/2019 17:20	KML
7440-70-2	Calcium	618		mg/L	0.056	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 12:00	03/11/2019 17:20	KML
7440-47-3	Chromium	0.352		mg/L	0.006	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 12:00	03/11/2019 17:20	KML
7440-48-4	Cobalt	0.056		mg/L	0.004	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 12:00	03/11/2019 17:20	KML
7440-50-8	Copper	0.191		mg/L	0.022	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 12:00	03/11/2019 17:20	KML
7439-89-6	Iron	173		mg/L	2.78	10	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 12:00	03/14/2019 13:38	KML
7439-92-1	Lead	2.19		mg/L	0.006	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 12:00	03/11/2019 17:20	KML
7439-95-4	Magnesium	59.6		mg/L	0.056	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 12:00	03/11/2019 17:20	KML
7439-96-5	Manganese	4.44		mg/L	0.006	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 12:00	03/11/2019 17:20	KML
7440-02-0	Nickel	0.148		mg/L	0.011	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 12:00	03/11/2019 17:20	KML
7440-09-7	Potassium	15.9		mg/L	0.056	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 12:00	03/11/2019 17:20	KML
7782-49-2	Selenium	ND		mg/L	0.028	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 12:00	03/11/2019 17:20	KML
7440-22-4	Silver	ND		mg/L	0.006	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 12:00	03/11/2019 17:20	KML
7440-23-5	Sodium	37.4		mg/L	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 12:00	03/11/2019 17:20	KML
7440-28-0	Thallium	ND		mg/L	0.028	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 12:00	03/11/2019 17:20	KML
7440-62-2	Vanadium	0.233		mg/L	0.011	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 12:00	03/11/2019 17:20	KML
7440-66-6	Zinc	4.12		mg/L	0.028	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2019 12:00	03/11/2019 17:20	KML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00020	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/13/2019 11:13	03/13/2019 15:11	SY



Sample Information

Client Sample ID: MW2

York Sample ID: 19C0297-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C0297

Boemia 100 E.149th Street Bronx NY

Water

March 7, 2019 2:00 pm

03/08/2019



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
19C0297-01	MW1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
19C0297-02	MW2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

S-08	The recovery of this surrogate was outside of QC limits.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
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-ICV	The recovery for this element in the ICV was outside the 95-105% Recovery criteria for EPA 200.7
M-CRL	The RL check for this element recovered outside of control limits.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
IS-HI	The internal std associated with this target compound did not meet acceptance criteria (area >200% CCV) at the stated dilution due to matrix effects. Sample was rerun to confirm matrix effects.
EXT-EM	The sample exhibited emulsion formation during the extraction process. This may affect surrogate recoveries.
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).

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:

Eastern Environmental Solutions

258 Line Road

Manorville NY, 11949

Attention: Jim Mulvey

Report Date: 03/19/2019

Client Project ID: Boemia 100 E.149th Street Bronx NY

York Project (SDG) No.: 19C0300

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

120 RESEARCH DRIVE
www.YORKLAB.com

STRATFORD, CT 06615
(203) 325-1371

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

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 03/19/2019
Client Project ID: Boemia 100 E.149th Street Bronx NY
York Project (SDG) No.: 19C0300

Eastern Environmental Solutions
258 Line Road
Manorville NY, 11949
Attention: Jim Mulvey

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on March 08, 2019 with a temperature of 2.6 C. The project was identified as your project: **Boemia 100 E.149th Street Bronx NY.**

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>
19C0300-01	MW3-Sample	Water	03/07/2019	03/08/2019
19C0300-02	MW3-Duplicate	Water	03/07/2019	03/08/2019
19C0300-03	MW3-Blank	Water	03/07/2019	03/08/2019

General Notes for York Project (SDG) No.: 19C0300

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

Approved By:



Benjamin Gulizia
Laboratory Director

Date: 03/19/2019





Sample Information

Client Sample ID: MW3-Sample

York Sample ID: 19C0300-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C0300

Boemia 100 E.149th Street Bronx NY

Water

March 7, 2019 9:00 am

03/08/2019

Analyzed by: Con-Test Analytical Laboratory

PFAS in Water by EPA 537

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
2706-90-3	Perfluoropentanoic acid (PFPeA)	See attached		ng/L	See attach	1	EPA 537m Certifications:	03/07/2019 09:00		
375-73-5	Perfluorobutanesulfonic acid (PFBS)	See attached		ng/L	See attach	1	EPA 537m Certifications:	03/07/2019 09:00		
307-24-4	Perfluorohexanoic acid (PFHxA)	See attached		ng/L	See attach	1	EPA 537m Certifications:	03/07/2019 09:00		
375-85-9	Perfluoroheptanoic acid (PFHpA)	See attached		ng/L	See attach	1	EPA 537m Certifications:	03/07/2019 09:00		
3871-99-6	Perfluorohexanesulfonic acid (PFHxS)	See attached		ng/L	See attach	1	EPA 537m Certifications:	03/07/2019 09:00		
335-67-1	Perfluorooctanoic acid (PFOA)	See attached		ng/L	See attach	1	EPA 537m Certifications:	03/07/2019 09:00		
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	See attached		ng/L	See attach	1	EPA 537m Certifications:	03/07/2019 09:00		
375-95-1	Perfluorononanoic acid (PFNA)	See attached		ng/L	See attach	1	EPA 537m Certifications:	03/07/2019 09:00		
335-76-2	Perfluorodecanoic acid (PFDA)	See attached		ng/L	See attach	1	EPA 537m Certifications:	03/07/2019 09:00		
	NMeFOSAA	See attached		ng/L	See attach	1	EPA 537m Certifications:	03/07/2019 09:00		
2058-94-8	Perfluoroundecanoic acid (PFUnA)	See attached		ng/L	See attach	1	EPA 537m Certifications:	03/07/2019 09:00		
	NEtFOSAA	See attached		ng/L	See attach	1	EPA 537m Certifications:	03/07/2019 09:00		
307-55-1	Perfluorododecanoic acid (PFDoA)	See attached		ng/L	See attach	1	EPA 537m Certifications:	03/07/2019 09:00		
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	See attached		ng/L	See attach	1	EPA 537m Certifications:	03/07/2019 09:00		
376-06-7	Perfluorotetradecanoic acid (PFTA)	See attached		ng/L	See attach	1	EPA 537m Certifications:	03/07/2019 09:00		
Surrogate Recoveries		Result		Acceptance Range						
Surrogate: 13C-PFHxA		%		70-130						
Surrogate: 13C-PFDA		%		70-130						
Surrogate: d5-N-EtFOSAA		%		70-130						



Sample Information

Client Sample ID: MW3-Duplicate

York Sample ID: 19C0300-02

York Project (SDG) No.

19C0300

Client Project ID

Boemia 100 E.149th Street Bronx NY

Matrix

Water

Collection Date/Time

March 7, 2019 9:00 am

Date Received

03/08/2019

Analyzed by: Con-Test Analytical Laboratory

PFAS in Water by EPA 537

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
2706-90-3	Perfluoropentanoic acid (PFPeA)	See attached		ng/L	See attach	1	EPA 537m Certifications:	03/07/2019 09:00		
375-73-5	Perfluorobutanesulfonic acid (PFBS)	See attached		ng/L	See attach	1	EPA 537m Certifications:	03/07/2019 09:00		
307-24-4	Perfluorohexanoic acid (PFHxA)	See attached		ng/L	See attach	1	EPA 537m Certifications:	03/07/2019 09:00		
375-85-9	Perfluoroheptanoic acid (PFHpA)	See attached		ng/L	See attach	1	EPA 537m Certifications:	03/07/2019 09:00		
3871-99-6	Perfluorohexanesulfonic acid (PFHxS)	See attached		ng/L	See attach	1	EPA 537m Certifications:	03/07/2019 09:00		
335-67-1	Perfluorooctanoic acid (PFOA)	See attached		ng/L	See attach	1	EPA 537m Certifications:	03/07/2019 09:00		
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	See attached		ng/L	See attach	1	EPA 537m Certifications:	03/07/2019 09:00		
375-95-1	Perfluorononanoic acid (PFNA)	See attached		ng/L	See attach	1	EPA 537m Certifications:	03/07/2019 09:00		
335-76-2	Perfluorodecanoic acid (PFDA)	See attached		ng/L	See attach	1	EPA 537m Certifications:	03/07/2019 09:00		
	NMeFOSAA	See attached		ng/L	See attach	1	EPA 537m Certifications:	03/07/2019 09:00		
2058-94-8	Perfluoroundecanoic acid (PFUnA)	See attached		ng/L	See attach	1	EPA 537m Certifications:	03/07/2019 09:00		
	NEtFOSAA	See attached		ng/L	See attach	1	EPA 537m Certifications:	03/07/2019 09:00		
307-55-1	Perfluorododecanoic acid (PFDoA)	See attached		ng/L	See attach	1	EPA 537m Certifications:	03/07/2019 09:00		
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	See attached		ng/L	See attach	1	EPA 537m Certifications:	03/07/2019 09:00		
376-06-7	Perfluorotetradecanoic acid (PFTA)	See attached		ng/L	See attach	1	EPA 537m Certifications:	03/07/2019 09:00		
Surrogate Recoveries		Result		Acceptance Range						
Surrogate: 13C-PFHxA		%		70-130						
Surrogate: 13C-PFDA		%		70-130						
Surrogate: d5-N-EtFOSAA		%		70-130						



Sample Information

Client Sample ID: MW3-Blank

York Sample ID: 19C0300-03

York Project (SDG) No.

19C0300

Client Project ID

Boemia 100 E.149th Street Bronx NY

Matrix

Water

Collection Date/Time

March 7, 2019 9:35 am

Date Received

03/08/2019

Analyzed by: Con-Test Analytical Laboratory

PFAS in Water by EPA 537

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
2706-90-3	Perfluoropentanoic acid (PFPeA)	See attached		ng/L	See attach	1	EPA 537m Certifications:	03/07/2019 09:35		
375-73-5	Perfluorobutanesulfonic acid (PFBS)	See attached		ng/L	See attach	1	EPA 537m Certifications:	03/07/2019 09:35		
307-24-4	Perfluorohexanoic acid (PFHxA)	See attached		ng/L	See attach	1	EPA 537m Certifications:	03/07/2019 09:35		
375-85-9	Perfluoroheptanoic acid (PFHpA)	See attached		ng/L	See attach	1	EPA 537m Certifications:	03/07/2019 09:35		
3871-99-6	Perfluorohexanesulfonic acid (PFHxS)	See attached		ng/L	See attach	1	EPA 537m Certifications:	03/07/2019 09:35		
335-67-1	Perfluorooctanoic acid (PFOA)	See attached		ng/L	See attach	1	EPA 537m Certifications:	03/07/2019 09:35		
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	See attached		ng/L	See attach	1	EPA 537m Certifications:	03/07/2019 09:35		
375-95-1	Perfluorononanoic acid (PFNA)	See attached		ng/L	See attach	1	EPA 537m Certifications:	03/07/2019 09:35		
335-76-2	Perfluorodecanoic acid (PFDA)	See attached		ng/L	See attach	1	EPA 537m Certifications:	03/07/2019 09:35		
	NMeFOSAA	See attached		ng/L	See attach	1	EPA 537m Certifications:	03/07/2019 09:35		
2058-94-8	Perfluoroundecanoic acid (PFUnA)	See attached		ng/L	See attach	1	EPA 537m Certifications:	03/07/2019 09:35		
	NEtFOSAA	See attached		ng/L	See attach	1	EPA 537m Certifications:	03/07/2019 09:35		
307-55-1	Perfluorododecanoic acid (PFDoA)	See attached		ng/L	See attach	1	EPA 537m Certifications:	03/07/2019 09:35		
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	See attached		ng/L	See attach	1	EPA 537m Certifications:	03/07/2019 09:35		
376-06-7	Perfluorotetradecanoic acid (PFTA)	See attached		ng/L	See attach	1	EPA 537m Certifications:	03/07/2019 09:35		
Surrogate Recoveries		Result	Acceptance Range							
Surrogate: 13C-PFHxA		%	70-130							
Surrogate: 13C-PFDA		%	70-130							
Surrogate: d5-N-EtFOSAA		%	70-130							





Sample and Data Qualifiers Relating to This Work Order

See attach See attached

Definitions and Other Explanations

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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



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



Field Chain-of-Custody Record

YORK Project No.

19C0300

Page 9 of 25

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

YOUR INFORMATION		Report To:		Invoice To:		Turn-Around Time	
Company:	Eastern Environmental	Company:	Same	Company:	Same	RUSH - Next Day	
Address:	258 Line Rd	Address:		Address:		RUSH - Two Day	
Phone:	Manorville, NY	Phone:		Phone:		RUSH - Three Day	
Contact:	631-727-2700	Contact:		Contact:		RUSH - Four Day	
E-mail:	Jim Mulvey	E-mail:		E-mail:		Standard (5-7 Day)	X

YOUR PROJECT INFORMATION		Report / EDD Type (circle selections)		YORK Reg. Comp.	
YOUR Project Number 100 E. 149th Street Bronx, NY		Summary Report		Compared to the following Regulation(s): (please fill in)	
YOUR Project Name Boem. 100 E. 149th Street Bronx, NY		CT RCP		Standard Excel EDD	
YOUR PO#:		QA Report		EQUIS (Standard)	
		NY ASP A Package		NYSDEC EQUIS	
		NY ASP B Package		NJDEP SRP HazSite	
				Other:	

Sample Identification		Matrix Codes		Samples From		Analysis Requested		Container Description	
MW3 - Sample	GW	S - soil / solid	New York	Summary Report	CT RCP	Standard Excel EDD			
MW3 - duplicate	GW	GW - groundwater	New Jersey	QA Report	CT RCP DQA/DUE	EQUIS (Standard)			
MW3 - Blank	GW	DW - drinking water	Connecticut	NY ASP A Package	NJDEP Reduced Deliverables	NYSDEC EQUIS			
		WW - wastewater	Pennsylvania	NY ASP B Package	NJDEP SRP HazSite				
		O - Oil	Other		NJDKQP				

Comments:		Preservation: (check all that apply)		Special Instruction				
		HCl	MeOH	HNO ₃	H ₂ SO ₄	NaOH	ZnAc	Field Filtered Lab to Filter
		Ascorbic Acid	Other:					Date/Time
		Samples Relinquished by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Temp. Received at Lab
		3/8/19 12:20 PM	12:20 PM	3/8/19 12:20 PM	12:20 PM	3/8/19 12:20 PM	12:20 PM	2.6

March 19, 2019

Richard August
York Analytical Labs
120 Research Drive
Stratford, CT 06615

Project Location: 19C0300
Client Job Number:
Project Number: 19C0300
Laboratory Work Order Number: 19C0394

Enclosed are results of analyses for samples received by the laboratory on March 11, 2019. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Kerry K. McGee". The signature is written in a cursive, flowing style.

Kerry K. McGee
Project Manager

Table of Contents

Sample Summary	3
Case Narrative	4
Sample Results	5
19C0394-01	5
19C0394-02	6
19C0394-03	7
Sample Preparation Information	8
QC Data	9
Semivolatile Organic Compounds by - LC/MS-MS	9
B225658	9
Flag/Qualifier Summary	11
Certifications	12
Chain of Custody/Sample Receipt	14

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332York Analytical Labs
120 Research Drive
Stratford, CT 06615
ATTN: Richard August

REPORT DATE: 3/19/2019

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 19C0300

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 19C0394

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 19C0300

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW3-Sample	19C0394-01	Water	19C0300-01	SOP 434-PFAAS	
MW3-Duplicate	19C0394-02	Water	19C0300-02	SOP 434-PFAAS	
MW3-Blank	19C0394-03	Water	19C0300-03	SOP 434-PFAAS	

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

A handwritten signature in black ink, appearing to read "Lisa Worthington", is written over a light pink rectangular background.

Lisa A. Worthington
Project Manager

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 19C0300

Sample Description: 19C0300-01

Work Order: 19C0394

Date Received: 3/11/2019

Field Sample #: MW3-Sample

Sampled: 3/7/2019 09:00

Sample ID: 19C0394-01

Sample Matrix: Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	ng/L	1		SOP 434-PFAAS	3/14/19	3/15/19 14:46	KAF
Perfluorohexanoic acid (PFHxA)	7.3	2.0	ng/L	1		SOP 434-PFAAS	3/14/19	3/15/19 14:46	KAF
Perfluoroheptanoic acid (PFHpA)	3.5	2.0	ng/L	1		SOP 434-PFAAS	3/14/19	3/15/19 14:46	KAF
Perfluorobutanoic acid (PFBA)	4.5	2.0	ng/L	1		SOP 434-PFAAS	3/14/19	3/15/19 14:46	KAF
Perfluorodecanesulfonic acid (PFDS)	ND	2.0	ng/L	1		SOP 434-PFAAS	3/14/19	3/15/19 14:46	KAF
Perfluoroheptanesulfonic acid (PFHpS)	ND	2.0	ng/L	1		SOP 434-PFAAS	3/14/19	3/15/19 14:46	KAF
Perfluorooctanesulfonamide (FOSA)	ND	2.0	ng/L	1		SOP 434-PFAAS	3/14/19	3/15/19 14:46	KAF
Perfluoropentanoic acid (PFPeA)	14	2.0	ng/L	1		SOP 434-PFAAS	3/14/19	3/15/19 14:46	KAF
6:2 Fluorotelomersulfonate (6:2 FTS)	ND	2.0	ng/L	1		SOP 434-PFAAS	3/14/19	3/15/19 14:46	KAF
8:2 Fluorotelomersulfonate (8:2 FTS)	ND	2.0	ng/L	1		SOP 434-PFAAS	3/14/19	3/15/19 14:46	KAF
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	ng/L	1		SOP 434-PFAAS	3/14/19	3/15/19 14:46	KAF
Perfluorooctanoic acid (PFOA)	19	2.0	ng/L	1		SOP 434-PFAAS	3/14/19	3/15/19 14:46	KAF
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	ng/L	1		SOP 434-PFAAS	3/14/19	3/15/19 14:46	KAF
Perfluorononanoic acid (PFNA)	ND	2.0	ng/L	1		SOP 434-PFAAS	3/14/19	3/15/19 14:46	KAF
Perfluorodecanoic acid (PFDA)	ND	2.0	ng/L	1		SOP 434-PFAAS	3/14/19	3/15/19 14:46	KAF
NMeFOSAA	ND	2.0	ng/L	1		SOP 434-PFAAS	3/14/19	3/15/19 14:46	KAF
Perfluoroundecanoic acid (PFUnA)	ND	2.0	ng/L	1		SOP 434-PFAAS	3/14/19	3/15/19 14:46	KAF
NEtFOSAA	ND	2.0	ng/L	1		SOP 434-PFAAS	3/14/19	3/15/19 14:46	KAF
Perfluorododecanoic acid (PFDoA)	ND	2.0	ng/L	1		SOP 434-PFAAS	3/14/19	3/15/19 14:46	KAF
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	ng/L	1		SOP 434-PFAAS	3/14/19	3/15/19 14:46	KAF
Perfluorotetradecanoic acid (PFTA)	ND	2.0	ng/L	1		SOP 434-PFAAS	3/14/19	3/15/19 14:46	KAF
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
13C-PFHxA	113	70-130							
13C-PFDA	110	70-130							
d5-NEtFOSAA	80.8	70-130							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 19C0300

Sample Description: 19C0300-02

Work Order: 19C0394

Date Received: 3/11/2019

Field Sample #: MW3-Duplicate

Sampled: 3/7/2019 09:00

Sample ID: 19C0394-02

Sample Matrix: Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanesulfonic acid (PFBS)	2.9	2.0	ng/L	1		SOP 434-PFAAS	3/14/19	3/15/19 14:59	KAF
Perfluorohexanoic acid (PFHxA)	7.6	2.0	ng/L	1		SOP 434-PFAAS	3/14/19	3/15/19 14:59	KAF
Perfluoroheptanoic acid (PFHpA)	3.4	2.0	ng/L	1		SOP 434-PFAAS	3/14/19	3/15/19 14:59	KAF
Perfluorobutanoic acid (PFBA)	4.7	2.0	ng/L	1		SOP 434-PFAAS	3/14/19	3/15/19 14:59	KAF
Perfluorodecanesulfonic acid (PFDS)	ND	2.0	ng/L	1		SOP 434-PFAAS	3/14/19	3/15/19 14:59	KAF
Perfluoroheptanesulfonic acid (PFHpS)	ND	2.0	ng/L	1		SOP 434-PFAAS	3/14/19	3/15/19 14:59	KAF
Perfluorooctanesulfonamide (FOSA)	ND	2.0	ng/L	1		SOP 434-PFAAS	3/14/19	3/15/19 14:59	KAF
Perfluoropentanoic acid (PFPeA)	8.5	2.0	ng/L	1		SOP 434-PFAAS	3/14/19	3/15/19 14:59	KAF
6:2 Fluorotelomersulfonate (6:2 FTS)	ND	2.0	ng/L	1		SOP 434-PFAAS	3/14/19	3/15/19 14:59	KAF
8:2 Fluorotelomersulfonate (8:2 FTS)	ND	2.0	ng/L	1		SOP 434-PFAAS	3/14/19	3/15/19 14:59	KAF
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	ng/L	1		SOP 434-PFAAS	3/14/19	3/15/19 14:59	KAF
Perfluorooctanoic acid (PFOA)	19	2.0	ng/L	1		SOP 434-PFAAS	3/14/19	3/15/19 14:59	KAF
Perfluorooctanesulfonic acid (PFOS)	8.2	2.0	ng/L	1		SOP 434-PFAAS	3/14/19	3/15/19 14:59	KAF
Perfluorononanoic acid (PFNA)	ND	2.0	ng/L	1		SOP 434-PFAAS	3/14/19	3/15/19 14:59	KAF
Perfluorodecanoic acid (PFDA)	ND	2.0	ng/L	1		SOP 434-PFAAS	3/14/19	3/15/19 14:59	KAF
NMeFOSAA	ND	2.0	ng/L	1		SOP 434-PFAAS	3/14/19	3/15/19 14:59	KAF
Perfluoroundecanoic acid (PFUnA)	ND	2.0	ng/L	1		SOP 434-PFAAS	3/14/19	3/15/19 14:59	KAF
NEtFOSAA	ND	2.0	ng/L	1		SOP 434-PFAAS	3/14/19	3/15/19 14:59	KAF
Perfluorododecanoic acid (PFDoA)	ND	2.0	ng/L	1		SOP 434-PFAAS	3/14/19	3/15/19 14:59	KAF
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	ng/L	1		SOP 434-PFAAS	3/14/19	3/15/19 14:59	KAF
Perfluorotetradecanoic acid (PFTA)	ND	2.0	ng/L	1		SOP 434-PFAAS	3/14/19	3/15/19 14:59	KAF
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
13C-PFHxA	98.9	70-130							
13C-PFDA	79.0	70-130							
d5-NEtFOSAA	70.3	70-130							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 19C0300

Sample Description: 19C0300-03

Work Order: 19C0394

Date Received: 3/11/2019

Field Sample #: MW3-Blank

Sampled: 3/7/2019 09:35

Sample ID: 19C0394-03

Sample Matrix: Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	ng/L	1		SOP 434-PFAAS	3/14/19	3/15/19 15:12	KAF
Perfluorohexanoic acid (PFHxA)	ND	2.0	ng/L	1		SOP 434-PFAAS	3/14/19	3/15/19 15:12	KAF
Perfluoroheptanoic acid (PFHpA)	ND	2.0	ng/L	1		SOP 434-PFAAS	3/14/19	3/15/19 15:12	KAF
Perfluorobutanoic acid (PFBA)	ND	2.0	ng/L	1		SOP 434-PFAAS	3/14/19	3/15/19 15:12	KAF
Perfluorodecanesulfonic acid (PFDS)	ND	2.0	ng/L	1		SOP 434-PFAAS	3/14/19	3/15/19 15:12	KAF
Perfluoroheptanesulfonic acid (PFHpS)	ND	2.0	ng/L	1		SOP 434-PFAAS	3/14/19	3/15/19 15:12	KAF
Perfluorooctanesulfonamide (FOSA)	ND	2.0	ng/L	1		SOP 434-PFAAS	3/14/19	3/15/19 15:12	KAF
Perfluoropentanoic acid (PFPeA)	ND	2.0	ng/L	1		SOP 434-PFAAS	3/14/19	3/15/19 15:12	KAF
6:2 Fluorotelomersulfonate (6:2 FTS)	ND	2.0	ng/L	1		SOP 434-PFAAS	3/14/19	3/15/19 15:12	KAF
8:2 Fluorotelomersulfonate (8:2 FTS)	ND	2.0	ng/L	1		SOP 434-PFAAS	3/14/19	3/15/19 15:12	KAF
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	ng/L	1		SOP 434-PFAAS	3/14/19	3/15/19 15:12	KAF
Perfluorooctanoic acid (PFOA)	ND	2.0	ng/L	1		SOP 434-PFAAS	3/14/19	3/15/19 15:12	KAF
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	ng/L	1		SOP 434-PFAAS	3/14/19	3/15/19 15:12	KAF
Perfluorononanoic acid (PFNA)	ND	2.0	ng/L	1		SOP 434-PFAAS	3/14/19	3/15/19 15:12	KAF
Perfluorodecanoic acid (PFDA)	ND	2.0	ng/L	1		SOP 434-PFAAS	3/14/19	3/15/19 15:12	KAF
NMeFOSAA	ND	2.0	ng/L	1		SOP 434-PFAAS	3/14/19	3/15/19 15:12	KAF
Perfluoroundecanoic acid (PFUnA)	ND	2.0	ng/L	1		SOP 434-PFAAS	3/14/19	3/15/19 15:12	KAF
NEtFOSAA	ND	2.0	ng/L	1		SOP 434-PFAAS	3/14/19	3/15/19 15:12	KAF
Perfluorododecanoic acid (PFDoA)	ND	2.0	ng/L	1		SOP 434-PFAAS	3/14/19	3/15/19 15:12	KAF
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	ng/L	1		SOP 434-PFAAS	3/14/19	3/15/19 15:12	KAF
Perfluorotetradecanoic acid (PFTA)	ND	2.0	ng/L	1		SOP 434-PFAAS	3/14/19	3/15/19 15:12	KAF
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
13C-PFHxA	95.7	70-130							
13C-PFDA	82.8	70-130							
d5-NEtFOSAA	88.9	70-130							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method: EPA 537-SOP 434-PFAAS

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
19C0394-01 [MW3-Sample]	B225658	250	1.00	03/14/19
19C0394-02 [MW3-Duplicate]	B225658	250	1.00	03/14/19
19C0394-03 [MW3-Blank]	B225658	250	1.00	03/14/19

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B225658 - EPA 537										
Blank (B225658-BLK1)										
Prepared: 03/14/19 Analyzed: 03/15/19										
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	ng/L							
Perfluorohexanoic acid (PFHxA)	ND	2.0	ng/L							
Perfluoroheptanoic acid (PFHpA)	ND	2.0	ng/L							
Perfluorobutanoic acid (PFBA)	ND	2.0	ng/L							
Perfluorodecanesulfonic acid (PFDS)	ND	2.0	ng/L							
Perfluoroheptanesulfonic acid (PFHpS)	ND	2.0	ng/L							
Perfluorooctanesulfonamide (FOSA)	ND	2.0	ng/L							
Perfluoropentanoic acid (PFPeA)	ND	2.0	ng/L							
6:2 Fluorotelomersulfonate (6:2 FTS)	ND	2.0	ng/L							
8:2 Fluorotelomersulfonate (8:2 FTS)	ND	2.0	ng/L							
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	ng/L							
Perfluorooctanoic acid (PFOA)	ND	2.0	ng/L							
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	ng/L							
Perfluorononanoic acid (PFNA)	ND	2.0	ng/L							
Perfluorodecanoic acid (PFDA)	ND	2.0	ng/L							
NMeFOSAA	ND	2.0	ng/L							
Perfluoroundecanoic acid (PFUnA)	ND	2.0	ng/L							
NEtFOSAA	ND	2.0	ng/L							
Perfluorododecanoic acid (PFDoA)	ND	2.0	ng/L							
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	ng/L							
Perfluorotetradecanoic acid (PFTA)	ND	2.0	ng/L							
Surrogate: 13C-PFHxA	42.0		ng/L	40.0		105	70-130			
Surrogate: 13C-PFDA	34.3		ng/L	40.0		85.8	70-130			
Surrogate: d5-NEtFOSAA	135		ng/L	160		84.3	70-130			
LCS (B225658-BS1)										
Prepared: 03/14/19 Analyzed: 03/15/19										
Perfluorobutanesulfonic acid (PFBS)	1.97	2.0	ng/L	1.77		111	50-150			
Perfluorohexanoic acid (PFHxA)	2.05	2.0	ng/L	2.00		103	50-150			
Perfluoroheptanoic acid (PFHpA)	1.99	2.0	ng/L	2.00		99.6	50-150			
Perfluorobutanoic acid (PFBA)	1.01	2.0	ng/L	2.00		50.4	50-150			
Perfluorodecanesulfonic acid (PFDS)	2.25	2.0	ng/L	1.93		117	50-150			
Perfluoroheptanesulfonic acid (PFHpS)	2.08	2.0	ng/L	1.90		110	50-150			
Perfluorooctanesulfonamide (FOSA)	1.38	2.0	ng/L	2.00		69.2	50-150			
Perfluoropentanoic acid (PFPeA)	2.57	2.0	ng/L	2.00		128	50-150			
6:2 Fluorotelomersulfonate (6:2 FTS)	2.19	2.0	ng/L	1.90		115	50-150			
8:2 Fluorotelomersulfonate (8:2 FTS)	2.03	2.0	ng/L	1.92		106	50-150			
Perfluorohexanesulfonic acid (PFHxS)	1.16	2.0	ng/L	1.82		63.6	50-150			
Perfluorooctanoic acid (PFOA)	2.45	2.0	ng/L	2.00		122	50-150			
Perfluorooctanesulfonic acid (PFOS)	1.93	2.0	ng/L	1.85		104	50-150			
Perfluorononanoic acid (PFNA)	1.95	2.0	ng/L	2.00		97.3	50-150			
Perfluorodecanoic acid (PFDA)	2.09	2.0	ng/L	2.00		105	50-150			
NMeFOSAA	1.00	2.0	ng/L	2.00		50.2	50-150			
Perfluoroundecanoic acid (PFUnA)	2.57	2.0	ng/L	2.00		129	50-150			
NEtFOSAA	2.75	2.0	ng/L	2.00		137	50-150			
Perfluorododecanoic acid (PFDoA)	1.95	2.0	ng/L	2.00		97.5	50-150			
Perfluorotridecanoic acid (PFTrDA)	2.43	2.0	ng/L	2.00		122	50-150			
Perfluorotetradecanoic acid (PFTA)	1.85	2.0	ng/L	2.00		92.6	50-150			
Surrogate: 13C-PFHxA	46.5		ng/L	40.0		116	70-130			
Surrogate: 13C-PFDA	39.9		ng/L	40.0		99.8	70-130			
Surrogate: d5-NEtFOSAA	145		ng/L	160		90.5	70-130			

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

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

Batch B225658 - EPA 537

MRL Check (B225658-MRL1)

Prepared: 03/14/19 Analyzed: 03/15/19

Perfluorobutanesulfonic acid (PFBS)	2.24	2.0	ng/L	1.77		127	50-150			
Perfluorohexanoic acid (PFHxA)	2.17	2.0	ng/L	2.00		108	50-150			
Perfluoroheptanoic acid (PFHpA)	2.24	2.0	ng/L	2.00		112	50-150			
Perfluorobutanoic acid (PFBA)	2.03	2.0	ng/L	2.00		101	50-150			
Perfluorodecanesulfonic acid (PFDS)	2.12	2.0	ng/L	1.93		110	50-150			
Perfluoroheptanesulfonic acid (PFHpS)	1.98	2.0	ng/L	1.90		104	50-150			
Perfluorooctanesulfonamide (FOSA)	2.13	2.0	ng/L	2.00		106	50-150			
Perfluoropentanoic acid (PFPeA)	2.19	2.0	ng/L	2.00		109	50-150			
6:2 Fluorotelomersulfonate (6:2 FTS)	2.40	2.0	ng/L	1.90		126	50-150			
8:2 Fluorotelomersulfonate (8:2 FTS)	2.03	2.0	ng/L	1.92		106	50-150			
Perfluorohexanesulfonic acid (PFHxS)	2.19	2.0	ng/L	1.82		120	50-150			
Perfluorooctanoic acid (PFOA)	2.49	2.0	ng/L	2.00		125	50-150			
Perfluorooctanesulfonic acid (PFOS)	1.76	2.0	ng/L	1.85		95.4	50-150			
Perfluorononanoic acid (PFNA)	2.60	2.0	ng/L	2.00		130	50-150			
Perfluorodecanoic acid (PFDA)	2.43	2.0	ng/L	2.00		121	50-150			
NMeFOSAA	2.74	2.0	ng/L	2.00		137	50-150			
Perfluoroundecanoic acid (PFUnA)	2.14	2.0	ng/L	2.00		107	50-150			
NEtFOSAA	2.37	2.0	ng/L	2.00		119	50-150			
Perfluorododecanoic acid (PFDoA)	1.60	2.0	ng/L	2.00		79.9	50-150			
Perfluorotridecanoic acid (PFTrDA)	1.45	2.0	ng/L	2.00		72.3	50-150			
Perfluorotetradecanoic acid (PFTA)	1.66	2.0	ng/L	2.00		82.8	50-150			
Surrogate: 13C-PFHxA	39.4		ng/L	40.0		98.4	70-130			
Surrogate: 13C-PFDA	36.3		ng/L	40.0		90.9	70-130			
Surrogate: d5-NEtFOSAA	151		ng/L	160		94.6	70-130			

MRL Check (B225658-MRL2)

Prepared: 03/14/19 Analyzed: 03/15/19

Perfluorobutanesulfonic acid (PFBS)	1.45	2.0	ng/L	1.77		81.8	50-150			
Perfluorohexanoic acid (PFHxA)	2.43	2.0	ng/L	2.00		121	50-150			
Perfluoroheptanoic acid (PFHpA)	2.48	2.0	ng/L	2.00		124	50-150			
Perfluorobutanoic acid (PFBA)	2.01	2.0	ng/L	2.00		101	50-150			
Perfluorodecanesulfonic acid (PFDS)	1.85	2.0	ng/L	1.93		95.7	50-150			
Perfluoroheptanesulfonic acid (PFHpS)	1.93	2.0	ng/L	1.90		102	50-150			
Perfluorooctanesulfonamide (FOSA)	2.16	2.0	ng/L	2.00		108	50-150			
Perfluoropentanoic acid (PFPeA)	1.83	2.0	ng/L	2.00		91.7	50-150			
6:2 Fluorotelomersulfonate (6:2 FTS)	2.51	2.0	ng/L	1.90		132	50-150			
8:2 Fluorotelomersulfonate (8:2 FTS)	1.91	2.0	ng/L	1.92		99.5	50-150			
Perfluorohexanesulfonic acid (PFHxS)	1.76	2.0	ng/L	1.82		96.9	50-150			
Perfluorooctanoic acid (PFOA)	2.04	2.0	ng/L	2.00		102	50-150			
Perfluorooctanesulfonic acid (PFOS)	2.06	2.0	ng/L	1.85		111	50-150			
Perfluorononanoic acid (PFNA)	2.37	2.0	ng/L	2.00		119	50-150			
Perfluorodecanoic acid (PFDA)	2.02	2.0	ng/L	2.00		101	50-150			
NMeFOSAA	2.44	2.0	ng/L	2.00		122	50-150			
Perfluoroundecanoic acid (PFUnA)	2.14	2.0	ng/L	2.00		107	50-150			
NEtFOSAA	2.93	2.0	ng/L	2.00		146	50-150			
Perfluorododecanoic acid (PFDoA)	1.41	2.0	ng/L	2.00		70.3	50-150			
Perfluorotridecanoic acid (PFTrDA)	1.54	2.0	ng/L	2.00		77.2	50-150			
Perfluorotetradecanoic acid (PFTA)	1.50	2.0	ng/L	2.00		74.8	50-150			
Surrogate: 13C-PFHxA	42.2		ng/L	40.0		106	70-130			
Surrogate: 13C-PFDA	40.8		ng/L	40.0		102	70-130			
Surrogate: d5-NEtFOSAA	153		ng/L	160		95.9	70-130			

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>EPA 537 in Drinking Water</i>	
Perfluorobutanesulfonic acid (PFBS)	NH,VT-DW,ME,RI,NJ
Perfluorohexanoic acid (PFHxA)	NH,VT-DW,ME,RI,NJ
Perfluoroheptanoic acid (PFHpA)	NH,VT-DW,ME,RI,NJ
Perfluorobutanoic acid (PFBA)	NH
Perfluorohexanesulfonic acid (PFHxS)	NH,VT-DW,ME,RI,NJ
Perfluorooctanoic acid (PFOA)	NH,NY,VT-DW,ME,RI,NJ
Perfluorooctanesulfonic acid (PFOS)	NH,NY,VT-DW,ME,RI,NJ
Perfluorononanoic acid (PFNA)	NH,VT-DW,ME,RI,NJ
Perfluorodecanoic acid (PFDA)	NH,VT-DW,ME,RI,NJ
NMeFOSAA	NH,VT-DW,RI,NJ
Perfluoroundecanoic acid (PFUnA)	NH,VT-DW,ME,RI,NJ
NEtFOSAA	NH,VT-DW,RI,NJ
Perfluorododecanoic acid (PFDoA)	NH,VT-DW,ME,RI,NJ
Perfluorotridecanoic acid (PFTrDA)	NH,VT-DW,ME,RI,NJ
Perfluorotetradecanoic acid (PFTA)	VT-DW,ME,RI,NJ
<i>SOP 434-PFAAS in Water</i>	
Perfluorobutanesulfonic acid (PFBS)	NH-P
Perfluorohexanoic acid (PFHxA)	NH-P
Perfluoroheptanoic acid (PFHpA)	NH-P
Perfluorobutanoic acid (PFBA)	NH-P
Perfluoropentanoic acid (PFPeA)	NH-P
6:2 Fluorotelomersulfonate (6:2 FTS)	NH-P
8:2 Fluorotelomersulfonate (8:2 FTS)	NH-P
Perfluorohexanesulfonic acid (PFHxS)	NH-P
Perfluorooctanoic acid (PFOA)	NH-P
Perfluorooctanesulfonic acid (PFOS)	NH-P
Perfluorononanoic acid (PFNA)	NH-P
Perfluorodecanoic acid (PFDA)	NH-P
NMeFOSAA	NH-P
Perfluoroundecanoic acid (PFUnA)	NH-P
NEtFOSAA	NH-P
Perfluorododecanoic acid (PFDoA)	NH-P
Perfluorotridecanoic acid (PFTrDA)	NH-P
Perfluorotetradecanoic acid (PFTA)	NH-P

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2019
CT	Connecticut Department of Public Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2020
RI	Rhode Island Department of Health	LAO00112	12/30/2019
NC	North Carolina Div. of Water Quality	652	12/31/2019
NJ	New Jersey DEP	MA007 NELAP	06/30/2019
FL	Florida Department of Health	E871027 NELAP	06/30/2019
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2019
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2019
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2019
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2019

YORK

19C0394

Analytical Laboratories, Inc.

3/8/2019

Kkm

SUBCONTRACT Notification, Purchase Order and Chain-of-Custody**York Project No.: 19C0300**

This information is being sent to inform you that York intends to subcontract certain samples to another licensed laboratory for specific parameters that we cannot perform in-house. The specific parameters that will be subcontracted are detailed below. Do not contact the subcontract laboratory directly. Please contact the YORK project manager for further information.

Note: E-mail lab reports to: York_Lab_Report@yorklab.com**Mail/Fax Hard Copies to:** York Analytical at the address below**SENDING LABORATORY:**

York Analytical Laboratories, Inc.
120 Research Drive
Stratford, CT 06615
Phone: 203.325.1371
Fax: 203.357.0166
Contact: York Analytical

RECEIVING LABORATORY:

Con-Test Analytical Laboratory
39 Spruce Street
East Long Meadow, MA 01028
Phone: (413) 525-2332
Fax: (413) 525-6405

York Ref: 19C0300-01

Sample ID: MW3-Sample**Matrix:** Water**Date Sampled :** 03/07/2019 09:00**Analysis Needed****Date Due****Holding Time Expires****Comments**

PFAS in Water by EPA 537 03/22/2019 16:30

03/21/2019 09:00

Containers Supplied:

10_250mL Square Plastic Cool to 4° C (A) 10_250mL Square Plastic Cool to 4° C (B)

York Ref: 19C0300-02

Sample ID: MW3-Duplicate**Matrix:** Water**Date Sampled :** 03/07/2019 09:00**Analysis Needed****Date Due****Holding Time Expires****Comments**

PFAS in Water by EPA 537 03/22/2019 16:30

03/21/2019 09:00

Containers Supplied:

10_250mL Square Plastic Cool to 4° C (A) 10_250mL Square Plastic Cool to 4° C (B)

York Purchase Order No.: 19C0300

Samples from State of: NY

Deliverables required:**Data Pkg DUE:****EDDs required:****Special Info:****Chain-of-Custody Information**

Paul Grace

3/8/2019

Released By York Sample Control

Date

Received By

Date

Received By:

Date

Received in Subcontract Lab By

Date

YORK

19C0394

Analytical Laboratories, Inc.

3/8/2019

SUBCONTRACT Notification, Purchase Order and Chain-of-Custody**York Project No.: 19C0300**

This information is being sent to inform you that York intends to subcontract certain samples to another licensed laboratory for specific parameters that we cannot perform in-house. The specific parameters that will be subcontracted are detailed below. Do not contact the subcontract laboratory directly. Please contact the YORK project manager for further information.

Note: E-mail lab reports to: York_Lab_Report@yorklab.com **Mail/Fax Hard Copies to:** York Analytical at the address below

York Ref: 19C0300-03

Sample ID: MW3-Blank**Matrix:** Water**Date Sampled :** 03/07/2019 09:35**Analysis Needed****Date Due****Holding Time Expires****Comments**

PFAS in Water by EPA 537

03/22/2019 16:30

03/21/2019 09:35

Containers Supplied:

10_250mL Square Plastic Cool to 4° C (A)

York Purchase Order No.: 19C0300

Samples from State of: NY

Deliverables required:**Data Pkg DUE:****EDDs required:****Special Info:****Chain-of-Custody Information**

Paul Grace

3/8/2019

Released By York Sample Control

Date

Received By

Date

Received By

Date

Received in Subcontract Lab By

Date

I Have Not Confirmed Sample Container
Numbers With Lab Staff Before Relinquishing
Over Samples _____



con-test®
ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False

Statement will be brought to the attention of the Client - State True or False

Client York Analytical

Received By RIF Date 3/11/19 Time 1205

How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____
Direct from Sampling _____ Ambient _____ Melted Ice _____

Were samples within Temperature? 2-6°C T By Gun # 5 Actual Temp - 4.9°C
By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? NA Were Samples Tampered with? NA

Was COC Relinquished? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all Client T Analysis T Sampler Name T

pertinent Information? Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified? _____

Are there Rushes? F Who was notified? _____

Are there Short Holds? F Who was notified? _____

Is there enough Volume? T

Is there Headspace where applicable? NA MS/MSD? F

Proper Media/Containers Used? T Is splitting samples required? F

Were trip blanks received? F On COC? F

Do all samples have the proper pH? _____ Acid NA Base NA

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic	<u>5</u>	4oz Amb/Clear	
Bisulfate-		Flashpoint		Col./Bacteria		2oz Amb/Clear	
DI-		Other Glass		Other Plastic		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:



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

YORK
ANALYTICAL LABORATORIES, INC.

Field Chain-of-Custody Record

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

YORK Project No.
19C0297

Page of

YOUR Information		Report To:		Invoice To:		YOUR Project Number		Turn-Around Time	
Company: <u>Eastern Enviro</u>	Company: <u>Same</u>	Company: <u>Same</u>	Company: <u>Same</u>	Company: <u>Same</u>	Company: <u>Same</u>	YOUR Project Name		RUSH - Next Day	Standard (5-7 Day) ☒
Address: <u>258 Line Road, Managville, NY</u>	Address: <u> </u>	Address: <u> </u>	Address: <u> </u>	Address: <u> </u>	Address: <u> </u>			RUSH - Two Day	
Phone: <u>631-727-2740</u>	Phone: <u> </u>	Phone: <u> </u>	Phone: <u> </u>	Phone: <u> </u>	Phone: <u> </u>			RUSH - Three Day	
Contact: <u>Michael P. Flynn</u>	Contact: <u> </u>	Contact: <u> </u>	Contact: <u> </u>	Contact: <u> </u>	Contact: <u> </u>			RUSH - Four Day	
E-mail: <u> </u>	E-mail: <u> </u>	E-mail: <u> </u>	E-mail: <u> </u>	E-mail: <u> </u>	E-mail: <u> </u>	YOUR PO#:		Standard (5-7 Day)	

YOUR Information		Report To:		Invoice To:		YOUR Project Number		Turn-Around Time	
Company: <u>Eastern Enviro</u>	Company: <u>Same</u>	Company: <u>Same</u>	Company: <u>Same</u>	Company: <u>Same</u>	Company: <u>Same</u>	YOUR Project Name		RUSH - Next Day	Standard (5-7 Day) ☒
Address: <u>258 Line Road, Managville, NY</u>	Address: <u> </u>	Address: <u> </u>	Address: <u> </u>	Address: <u> </u>	Address: <u> </u>			RUSH - Two Day	
Phone: <u>631-727-2740</u>	Phone: <u> </u>	Phone: <u> </u>	Phone: <u> </u>	Phone: <u> </u>	Phone: <u> </u>			RUSH - Three Day	
Contact: <u>Michael P. Flynn</u>	Contact: <u> </u>	Contact: <u> </u>	Contact: <u> </u>	Contact: <u> </u>	Contact: <u> </u>			RUSH - Four Day	
E-mail: <u> </u>	E-mail: <u> </u>	E-mail: <u> </u>	E-mail: <u> </u>	E-mail: <u> </u>	E-mail: <u> </u>	YOUR PO#:		Standard (5-7 Day)	

YOUR Information		Report To:		Invoice To:		YOUR Project Number		Turn-Around Time	
Company: <u>Eastern Enviro</u>	Company: <u>Same</u>	Company: <u>Same</u>	Company: <u>Same</u>	Company: <u>Same</u>	Company: <u>Same</u>	YOUR Project Name		RUSH - Next Day	Standard (5-7 Day) ☒
Address: <u>258 Line Road, Managville, NY</u>	Address: <u> </u>	Address: <u> </u>	Address: <u> </u>	Address: <u> </u>	Address: <u> </u>			RUSH - Two Day	
Phone: <u>631-727-2740</u>	Phone: <u> </u>	Phone: <u> </u>	Phone: <u> </u>	Phone: <u> </u>	Phone: <u> </u>			RUSH - Three Day	
Contact: <u>Michael P. Flynn</u>	Contact: <u> </u>	Contact: <u> </u>	Contact: <u> </u>	Contact: <u> </u>	Contact: <u> </u>			RUSH - Four Day	
E-mail: <u> </u>	E-mail: <u> </u>	E-mail: <u> </u>	E-mail: <u> </u>	E-mail: <u> </u>	E-mail: <u> </u>	YOUR PO#:		Standard (5-7 Day)	

YOUR Information		Report To:		Invoice To:		YOUR Project Number		Turn-Around Time	
Company: <u>Eastern Enviro</u>	Company: <u>Same</u>	Company: <u>Same</u>	Company: <u>Same</u>	Company: <u>Same</u>	Company: <u>Same</u>	YOUR Project Name		RUSH - Next Day	Standard (5-7 Day) ☒
Address: <u>258 Line Road, Managville, NY</u>	Address: <u> </u>	Address: <u> </u>	Address: <u> </u>	Address: <u> </u>	Address: <u> </u>			RUSH - Two Day	
Phone: <u>631-727-2740</u>	Phone: <u> </u>	Phone: <u> </u>	Phone: <u> </u>	Phone: <u> </u>	Phone: <u> </u>			RUSH - Three Day	
Contact: <u>Michael P. Flynn</u>	Contact: <u> </u>	Contact: <u> </u>	Contact: <u> </u>	Contact: <u> </u>	Contact: <u> </u>			RUSH - Four Day	
E-mail: <u> </u>	E-mail: <u> </u>	E-mail: <u> </u>	E-mail: <u> </u>	E-mail: <u> </u>	E-mail: <u> </u>	YOUR PO#:		Standard (5-7 Day)	

Comments:

YOUR Information		Report To:		Invoice To:		YOUR Project Number		Turn-Around Time	
Company: <u>Eastern Enviro</u>	Company: <u>Same</u>	Company: <u>Same</u>	Company: <u>Same</u>	Company: <u>Same</u>	Company: <u>Same</u>	YOUR Project Name		RUSH - Next Day	Standard (5-7 Day) ☒
Address: <u>258 Line Road, Managville, NY</u>	Address: <u> </u>	Address: <u> </u>	Address: <u> </u>	Address: <u> </u>	Address: <u> </u>			RUSH - Two Day	
Phone: <u>631-727-2740</u>	Phone: <u> </u>	Phone: <u> </u>	Phone: <u> </u>	Phone: <u> </u>	Phone: <u> </u>			RUSH - Three Day	
Contact: <u>Michael P. Flynn</u>	Contact: <u> </u>	Contact: <u> </u>	Contact: <u> </u>	Contact: <u> </u>	Contact: <u> </u>			RUSH - Four Day	
E-mail: <u> </u>	E-mail: <u> </u>	E-mail: <u> </u>	E-mail: <u> </u>	E-mail: <u> </u>	E-mail: <u> </u>	YOUR PO#:		Standard (5-7 Day)	



Technical Report

prepared for:

Eastern Environmental Solutions

258 Line Road

Manorville NY, 11949

Attention: Jim Mulvey

Report Date: 03/19/2019

Client Project ID: Boemi 100 E.149th Street Bronx NY

York Project (SDG) No.: 19C0287

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

120 RESEARCH DRIVE
www.YORKLAB.com

STRATFORD, CT 06615
(203) 325-1371

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

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 03/19/2019
Client Project ID: Boemi 100 E.149th Street Bronx NY
York Project (SDG) No.: 19C0287

Eastern Environmental Solutions
258 Line Road
Manorville NY, 11949
Attention: Jim Mulvey

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on March 08, 2019 with a temperature of 2.6 C. The project was identified as your project: **Boemi 100 E.149th Street Bronx NY.**

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>
19C0287-01	MW3	Water	03/07/2019	03/08/2019
19C0287-02	MW3 Duplicate	Water	03/07/2019	03/08/2019
19C0287-03	MW3Field Blank	Water	03/07/2019	03/08/2019

General Notes for York Project (SDG) No.: 19C0287

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

Approved By:



Benjamin Gulizia
Laboratory Director

Date: 03/19/2019





Sample Information

Client Sample ID: MW3

York Sample ID: 19C0287-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C0287

Boemi 100 E.149th Street Bronx NY

Water

March 7, 2019 9:00 am

03/08/2019

Analyzed by: Con-Test Analytical Laboratory

Semi-Volatiles, 1,4-Dioxane by 8270-SIM (SUB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	0.21	1	SW-846 8270D	03/12/2019 00:00	03/18/2019 00:00	
Certifications:										

Sample Information

Client Sample ID: MW3 Duplicate

York Sample ID: 19C0287-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C0287

Boemi 100 E.149th Street Bronx NY

Water

March 7, 2019 9:00 am

03/08/2019

Analyzed by: Con-Test Analytical Laboratory

Semi-Volatiles, 1,4-Dioxane by 8270-SIM (SUB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	0.21	1	SW-846 8270D	03/12/2019 00:00	03/18/2019 00:00	
Certifications:										

Sample Information

Client Sample ID: MW3Field Blank

York Sample ID: 19C0287-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C0287

Boemi 100 E.149th Street Bronx NY

Water

March 7, 2019 9:00 am

03/08/2019

Analyzed by: Con-Test Analytical Laboratory

Semi-Volatiles, 1,4-Dioxane by 8270-SIM (SUB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	0.2	1	SW-846 8270D	03/12/2019 00:00	03/18/2019 00:00	
Certifications:										



Sample and Data Qualifiers Relating to This Work Order

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: Added MW3 Duplicate and MW3 Field Blank to the workorder per RA.



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

YORK
ANALYTICAL LABORATORIES, INC.

Field Chain-of-Custody Record

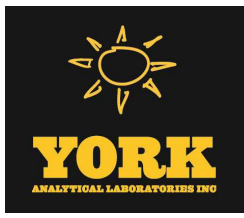
YORK Project No.
19C0287

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

Page 1 of 1

YOUR INFORMATION			Report To:			Invoice To:			Turn-Around Time		
Company: Eastern Environmental	Company: SAME	Company: SAME	Company: SAME	Company: SAME	Company: SAME	Company: SAME	Company: SAME	Company: SAME	Company: SAME	Company: SAME	Company: SAME
Address: 258 Line Road	Address: SAME	Address: SAME	Address: SAME	Address: SAME	Address: SAME	Address: SAME	Address: SAME	Address: SAME	Address: SAME	Address: SAME	Address: SAME
Phone: MANORVILLE, NY	Phone: SAME	Phone: SAME	Phone: SAME	Phone: SAME	Phone: SAME	Phone: SAME	Phone: SAME	Phone: SAME	Phone: SAME	Phone: SAME	Phone: SAME
Contact: 631-727-2700	Contact: SAME	Contact: SAME	Contact: SAME	Contact: SAME	Contact: SAME	Contact: SAME	Contact: SAME	Contact: SAME	Contact: SAME	Contact: SAME	Contact: SAME
E-mail: Jim Mulvey	E-mail: SAME	E-mail: SAME	E-mail: SAME	E-mail: SAME	E-mail: SAME	E-mail: SAME	E-mail: SAME	E-mail: SAME	E-mail: SAME	E-mail: SAME	E-mail: SAME
YOUR PROJECT NAME 100 E. 149th Street Bronx, NY			YOUR PROJECT NUMBER 100 E. 149th Street Bronx, NY			YOUR PO#:			Turn-Around Time RUSH - Next Day RUSH - Two Day RUSH - Three Day RUSH - Four Day Standard (5-7 Day) ☒		
Matrix Codes S - soil / solid GW - groundwater DW - drinking water WW - wastewater O - Oil / Other			Report / EDD Type (circle selections) Summary Report QA Report NY ASP A Package NY ASP B Package			Report / EDD Type (circle selections) CT RCP CT RCP DQA/DUE NJDEP Reduced Deliverables NJDEP SRP HazSite Other:			YORK Reg. Comp. Compared to the following Regulation(s): (please fill in)		
Sample Matrix GW			Sample Matrix GW			Sample Matrix GW			Sample Matrix GW		
Sample Identification Mv3			Sample Identification Mv3			Sample Identification Mv3			Sample Identification Mv3		
Analysis Requested 1,4 dioxane			Analysis Requested 1,4 dioxane			Analysis Requested 1,4 dioxane			Analysis Requested 1,4 dioxane		
Container Description			Container Description			Container Description			Container Description		
Comments:											
Preservation: (check all that apply) HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___ ZnAc ___ Ascorbic Acid ___ Other: ___											
Samples Relinquished by / Company Date/Time Michael P. Flynn 3/8/19 1220 PM			Samples Relinquished by / Company Date/Time Michael P. Flynn 3/8/19 1220 PM			Samples Relinquished by / Company Date/Time Michael P. Flynn 3/8/19 1220 PM			Samples Relinquished by / Company Date/Time Michael P. Flynn 3/8/19 1220 PM		
Samples Received by / Company Date/Time Michael P. Flynn 3/8/19 1220 PM			Samples Received by / Company Date/Time Michael P. Flynn 3/8/19 1220 PM			Samples Received by / Company Date/Time Michael P. Flynn 3/8/19 1220 PM			Samples Received by / Company Date/Time Michael P. Flynn 3/8/19 1220 PM		
Temp. Received at Lab 2.6			Temp. Received at Lab 2.6			Temp. Received at Lab 2.6			Temp. Received at Lab 2.6		

Appendix F



Technical Report

prepared for:

Eastern Environmental Solutions

258 Line Road

Manorville NY, 11949

Attention: Jim Mulvey

Report Date: 03/14/2019

Client Project ID: Boemia 100 E.149th Street Bronx NY

York Project (SDG) No.: 19C0284

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

120 RESEARCH DRIVE
www.YORKLAB.com

STRATFORD, CT 06615
(203) 325-1371

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

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 03/14/2019
Client Project ID: Boemia 100 E.149th Street Bronx NY
York Project (SDG) No.: 19C0284

Eastern Environmental Solutions
258 Line Road
Manorville NY, 11949
Attention: Jim Mulvey

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on March 11, 2019 with a temperature of C. The project was identified as your project: **Boemia 100 E.149th Street Bronx NY.**

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>
19C0284-01	VP-1	Soil Vapor	03/07/2019	03/11/2019
19C0284-02	VP-2	Soil Vapor	03/07/2019	03/11/2019
19C0284-03	VP-3	Soil Vapor	03/07/2019	03/11/2019
19C0284-04	VP-4	Soil Vapor	03/07/2019	03/11/2019

General Notes for York Project (SDG) No.: 19C0284

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

Approved By:



Benjamin Gulizia
Laboratory Director

Date: 03/14/2019





Sample Information

Client Sample ID: VP-1

York Sample ID: 19C0284-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C0284

Boemia 100 E.149th Street Bronx NY

Soil Vapor

March 7, 2019 3:00 pm

03/11/2019

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	9.2	13.4	EPA TO-15 Certifications:	03/13/2019 09:00	03/13/2019 22:56	AS
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	7.3	13.4	EPA TO-15 Certifications:	03/13/2019 09:00	03/13/2019 22:56	AS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	9.2	13.4	EPA TO-15 Certifications:	03/13/2019 09:00	03/13/2019 22:56	AS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	10	13.4	EPA TO-15 Certifications:	03/13/2019 09:00	03/13/2019 22:56	AS
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	7.3	13.4	EPA TO-15 Certifications:	03/13/2019 09:00	03/13/2019 22:56	AS
75-34-3	1,1-Dichloroethane	ND		ug/m ³	5.4	13.4	EPA TO-15 Certifications:	03/13/2019 09:00	03/13/2019 22:56	AS
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	1.3	13.4	EPA TO-15 Certifications:	03/13/2019 09:00	03/13/2019 22:56	AS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	9.9	13.4	EPA TO-15 Certifications:	03/13/2019 09:00	03/13/2019 22:56	AS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m ³	6.6	13.4	EPA TO-15 Certifications:	03/13/2019 09:00	03/13/2019 22:56	AS
106-93-4	1,2-Dibromoethane	ND		ug/m ³	10	13.4	EPA TO-15 Certifications:	03/13/2019 09:00	03/13/2019 22:56	AS
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	8.1	13.4	EPA TO-15 Certifications:	03/13/2019 09:00	03/13/2019 22:56	AS
107-06-2	1,2-Dichloroethane	ND		ug/m ³	5.4	13.4	EPA TO-15 Certifications:	03/13/2019 09:00	03/13/2019 22:56	AS
78-87-5	1,2-Dichloropropane	ND		ug/m ³	6.2	13.4	EPA TO-15 Certifications:	03/13/2019 09:00	03/13/2019 22:56	AS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	9.4	13.4	EPA TO-15 Certifications:	03/13/2019 09:00	03/13/2019 22:56	AS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	6.6	13.4	EPA TO-15 Certifications:	03/13/2019 09:00	03/13/2019 22:56	AS
106-99-0	1,3-Butadiene	ND		ug/m ³	8.9	13.4	EPA TO-15 Certifications:	03/13/2019 09:00	03/13/2019 22:56	AS
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	8.1	13.4	EPA TO-15 Certifications:	03/13/2019 09:00	03/13/2019 22:56	AS
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	6.2	13.4	EPA TO-15 Certifications:	03/13/2019 09:00	03/13/2019 22:56	AS
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	8.1	13.4	EPA TO-15 Certifications:	03/13/2019 09:00	03/13/2019 22:56	AS
123-91-1	1,4-Dioxane	ND		ug/m ³	9.7	13.4	EPA TO-15 Certifications:	03/13/2019 09:00	03/13/2019 22:56	AS
78-93-3	2-Butanone	28		ug/m ³	4.0	13.4	EPA TO-15 Certifications:	03/13/2019 09:00	03/13/2019 22:56	AS



Sample Information

Client Sample ID: VP-1

York Sample ID: 19C0284-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C0284

Boemia 100 E.149th Street Bronx NY

Soil Vapor

March 7, 2019 3:00 pm

03/11/2019

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	11	13.4	EPA TO-15 Certifications:	03/13/2019 09:00	03/13/2019 22:56	AS
107-05-1	3-Chloropropene	ND		ug/m ³	21	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/13/2019 22:56	AS
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	5.5	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/13/2019 22:56	AS
67-64-1	Acetone	150	B	ug/m ³	6.4	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/13/2019 22:56	AS
107-02-8	* Acrolein	ND		ug/m ³	3.1	13.4	EPA TO-15 Certifications:	03/13/2019 09:00	03/13/2019 22:56	AS
107-13-1	Acrylonitrile	ND		ug/m ³	2.9	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/13/2019 22:56	AS
71-43-2	Benzene	ND		ug/m ³	4.3	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/13/2019 22:56	AS
100-44-7	Benzyl chloride	ND		ug/m ³	6.9	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/13/2019 22:56	AS
75-27-4	Bromodichloromethane	14		ug/m ³	9.0	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/13/2019 22:56	AS
75-25-2	Bromoform	ND		ug/m ³	14	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/13/2019 22:56	AS
74-83-9	Bromomethane	ND		ug/m ³	5.2	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/13/2019 22:56	AS
75-15-0	Carbon disulfide	ND		ug/m ³	4.2	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/13/2019 22:56	AS
56-23-5	Carbon tetrachloride	ND		ug/m ³	2.1	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/13/2019 22:56	AS
108-90-7	Chlorobenzene	ND		ug/m ³	6.2	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/13/2019 22:56	AS
75-00-3	Chloroethane	ND		ug/m ³	3.5	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/13/2019 22:56	AS
67-66-3	Chloroform	130		ug/m ³	6.5	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/13/2019 22:56	AS
74-87-3	Chloromethane	ND		ug/m ³	2.8	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/13/2019 22:56	AS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	1.3	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/13/2019 22:56	AS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	6.1	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/13/2019 22:56	AS
110-82-7	Cyclohexane	ND		ug/m ³	4.6	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/13/2019 22:56	AS
124-48-1	Dibromochloromethane	ND		ug/m ³	11	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/13/2019 22:56	AS
75-71-8	Dichlorodifluoromethane	ND		ug/m ³	6.6	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/13/2019 22:56	AS



Sample Information

Client Sample ID: VP-1

York Sample ID: 19C0284-01

York Project (SDG) No.

19C0284

Client Project ID

Boemia 100 E.149th Street Bronx NY

Matrix

Soil Vapor

Collection Date/Time

March 7, 2019 3:00 pm

Date Received

03/11/2019

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
64-17-5	* Ethanol	ND		ug/m ³	2.5	13.4	EPA TO-15 Certifications:	03/13/2019 09:00	03/13/2019 22:56	AS
141-78-6	* Ethyl acetate	ND		ug/m ³	9.7	13.4	EPA TO-15 Certifications:	03/13/2019 09:00	03/13/2019 22:56	AS
100-41-4	Ethyl Benzene	ND		ug/m ³	5.8	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/13/2019 22:56	AS
87-68-3	Hexachlorobutadiene	ND		ug/m ³	14	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/13/2019 22:56	AS
67-63-0	Isopropanol	ND		ug/m ³	6.6	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/13/2019 22:56	AS
98-82-8	Isopropylbenzene	ND		ug/m ³	6.6	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/13/2019 22:56	AS
80-62-6	Methyl Methacrylate	ND		ug/m ³	5.5	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/13/2019 22:56	AS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	4.8	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/13/2019 22:56	AS
75-09-2	Methylene chloride	ND		ug/m ³	9.3	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/13/2019 22:56	AS
91-20-3	* Naphthalene	ND		ug/m ³	14	13.4	EPA TO-15 Certifications: NJDEP-Queens	03/13/2019 09:00	03/13/2019 22:56	AS
104-51-8	* n-Butylbenzene	ND		ug/m ³	7.4	13.4	EPA TO-15 Certifications:	03/13/2019 09:00	03/13/2019 22:56	AS
142-82-5	n-Heptane	6.0		ug/m ³	5.5	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/13/2019 22:56	AS
110-54-3	n-Hexane	ND		ug/m ³	4.7	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/13/2019 22:56	AS
103-65-1	* n-Propylbenzene	ND		ug/m ³	6.6	13.4	EPA TO-15 Certifications:	03/13/2019 09:00	03/13/2019 22:56	AS
95-47-6	o-Xylene	ND		ug/m ³	5.8	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/13/2019 22:56	AS
179601-23-1	p- & m- Xylenes	ND		ug/m ³	12	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/13/2019 22:56	AS
622-96-8	* p-Ethyltoluene	ND		ug/m ³	6.6	13.4	EPA TO-15 Certifications:	03/13/2019 09:00	03/13/2019 22:56	AS
99-87-6	* p-Isopropyltoluene	ND		ug/m ³	7.4	13.4	EPA TO-15 Certifications:	03/13/2019 09:00	03/13/2019 22:56	AS
115-07-1	* Propylene	ND		ug/m ³	2.3	13.4	EPA TO-15 Certifications:	03/13/2019 09:00	03/13/2019 22:56	AS
135-98-8	* sec-Butylbenzene	ND		ug/m ³	7.4	13.4	EPA TO-15 Certifications:	03/13/2019 09:00	03/13/2019 22:56	AS
100-42-5	Styrene	ND		ug/m ³	5.7	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/13/2019 22:56	AS



Sample Information

Client Sample ID: VP-1

York Sample ID: 19C0284-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C0284

Boemia 100 E.149th Street Bronx NY

Soil Vapor

March 7, 2019 3:00 pm

03/11/2019

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
98-06-6	* tert-Butylbenzene	ND		ug/m ³	7.4	13.4	EPA TO-15 Certifications:	03/13/2019 09:00	03/13/2019 22:56	AS
127-18-4	Tetrachloroethylene	ND		ug/m ³	2.3	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/13/2019 22:56	AS
109-99-9	* Tetrahydrofuran	ND		ug/m ³	7.9	13.4	EPA TO-15 Certifications:	03/13/2019 09:00	03/13/2019 22:56	AS
108-88-3	Toluene	11	B	ug/m ³	5.0	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/13/2019 22:56	AS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	5.3	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/13/2019 22:56	AS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	6.1	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/13/2019 22:56	AS
79-01-6	Trichloroethylene	ND		ug/m ³	1.8	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/13/2019 22:56	AS
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m ³	7.5	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/13/2019 22:56	AS
108-05-4	Vinyl acetate	ND		ug/m ³	4.7	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/13/2019 22:56	AS
593-60-2	Vinyl bromide	ND		ug/m ³	5.9	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/13/2019 22:56	AS
75-01-4	Vinyl Chloride	ND		ug/m ³	0.86	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/13/2019 22:56	AS
	Tentatively Identified Compounds	0.0		ug/m ³		13.4	EPA TO-15 Certifications: NJDEP-Queens	03/13/2019 09:00	03/13/2019 22:56	AS
Surrogate Recoveries		Result	Acceptance Range							
460-00-4	Surrogate: <i>SURR:</i> <i>p-Bromofluorobenzene</i>	86.5 %	70-130							

Sample Information

Client Sample ID: VP-2

York Sample ID: 19C0284-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C0284

Boemia 100 E.149th Street Bronx NY

Soil Vapor

March 7, 2019 3:00 pm

03/11/2019

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	9.2	13.4	EPA TO-15 Certifications:	03/13/2019 09:00	03/13/2019 23:56	AS



Sample Information

Client Sample ID: VP-2

York Sample ID: 19C0284-02

York Project (SDG) No.

19C0284

Client Project ID

Boemia 100 E.149th Street Bronx NY

Matrix

Soil Vapor

Collection Date/Time

March 7, 2019 3:00 pm

Date Received

03/11/2019

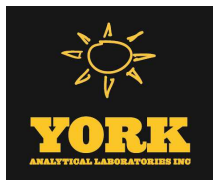
Volatile Organics, EPA TO15 Full List

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
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	7.3	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/13/2019 23:56	AS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	9.2	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/13/2019 23:56	AS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	10	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/13/2019 23:56	AS
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	7.3	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/13/2019 23:56	AS
75-34-3	1,1-Dichloroethane	ND		ug/m ³	5.4	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/13/2019 23:56	AS
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	1.3	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/13/2019 23:56	AS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	9.9	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/13/2019 23:56	AS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m ³	6.6	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/13/2019 23:56	AS
106-93-4	1,2-Dibromoethane	ND		ug/m ³	10	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/13/2019 23:56	AS
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	8.1	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/13/2019 23:56	AS
107-06-2	1,2-Dichloroethane	ND		ug/m ³	5.4	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/13/2019 23:56	AS
78-87-5	1,2-Dichloropropane	ND		ug/m ³	6.2	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/13/2019 23:56	AS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	9.4	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/13/2019 23:56	AS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	6.6	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/13/2019 23:56	AS
106-99-0	1,3-Butadiene	ND		ug/m ³	8.9	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/13/2019 23:56	AS
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	8.1	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/13/2019 23:56	AS
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	6.2	13.4	EPA TO-15 Certifications:	03/13/2019 09:00	03/13/2019 23:56	AS
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	8.1	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/13/2019 23:56	AS
123-91-1	1,4-Dioxane	ND		ug/m ³	9.7	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/13/2019 23:56	AS
78-93-3	2-Butanone	11		ug/m ³	4.0	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/13/2019 23:56	AS
591-78-6	* 2-Hexanone	ND		ug/m ³	11	13.4	EPA TO-15 Certifications:	03/13/2019 09:00	03/13/2019 23:56	AS



Sample Information

Client Sample ID: VP-2

York Sample ID: 19C0284-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C0284

Boemia 100 E.149th Street Bronx NY

Soil Vapor

March 7, 2019 3:00 pm

03/11/2019

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
107-05-1	3-Chloropropene	ND		ug/m ³	21	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/13/2019 23:56	AS
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	5.5	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/13/2019 23:56	AS
67-64-1	Acetone	98	B	ug/m ³	6.4	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/13/2019 23:56	AS
107-02-8	* Acrolein	ND		ug/m ³	3.1	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/13/2019 23:56	AS
107-13-1	Acrylonitrile	ND		ug/m ³	2.9	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/13/2019 23:56	AS
71-43-2	Benzene	ND		ug/m ³	4.3	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/13/2019 23:56	AS
100-44-7	Benzyl chloride	ND		ug/m ³	6.9	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/13/2019 23:56	AS
75-27-4	Bromodichloromethane	60		ug/m ³	9.0	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/13/2019 23:56	AS
75-25-2	Bromoform	ND		ug/m ³	14	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/13/2019 23:56	AS
74-83-9	Bromomethane	ND		ug/m ³	5.2	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/13/2019 23:56	AS
75-15-0	Carbon disulfide	ND		ug/m ³	4.2	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/13/2019 23:56	AS
56-23-5	Carbon tetrachloride	ND		ug/m ³	2.1	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/13/2019 23:56	AS
108-90-7	Chlorobenzene	ND		ug/m ³	6.2	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/13/2019 23:56	AS
75-00-3	Chloroethane	ND		ug/m ³	3.5	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/13/2019 23:56	AS
67-66-3	Chloroform	370		ug/m ³	6.5	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/13/2019 23:56	AS
74-87-3	Chloromethane	ND		ug/m ³	2.8	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/13/2019 23:56	AS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	1.3	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/13/2019 23:56	AS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	6.1	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/13/2019 23:56	AS
110-82-7	Cyclohexane	150		ug/m ³	4.6	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/13/2019 23:56	AS
124-48-1	Dibromochloromethane	ND		ug/m ³	11	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/13/2019 23:56	AS
75-71-8	Dichlorodifluoromethane	ND		ug/m ³	6.6	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/13/2019 23:56	AS
64-17-5	* Ethanol	ND		ug/m ³	2.5	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/13/2019 23:56	AS



Sample Information

Client Sample ID: VP-2

York Sample ID: 19C0284-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C0284

Boemia 100 E.149th Street Bronx NY

Soil Vapor

March 7, 2019 3:00 pm

03/11/2019

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
141-78-6	* Ethyl acetate	ND		ug/m ³	9.7	13.4	EPA TO-15	03/13/2019 09:00	03/13/2019 23:56	AS
							Certifications:			
100-41-4	Ethyl Benzene	12		ug/m ³	5.8	13.4	EPA TO-15	03/13/2019 09:00	03/13/2019 23:56	AS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
87-68-3	Hexachlorobutadiene	ND		ug/m ³	14	13.4	EPA TO-15	03/13/2019 09:00	03/13/2019 23:56	AS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-63-0	Isopropanol	ND		ug/m ³	6.6	13.4	EPA TO-15	03/13/2019 09:00	03/13/2019 23:56	AS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
98-82-8	Isopropylbenzene	12		ug/m ³	6.6	13.4	EPA TO-15	03/13/2019 09:00	03/13/2019 23:56	AS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
80-62-6	Methyl Methacrylate	ND		ug/m ³	5.5	13.4	EPA TO-15	03/13/2019 09:00	03/13/2019 23:56	AS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	4.8	13.4	EPA TO-15	03/13/2019 09:00	03/13/2019 23:56	AS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-09-2	Methylene chloride	ND		ug/m ³	9.3	13.4	EPA TO-15	03/13/2019 09:00	03/13/2019 23:56	AS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
91-20-3	* Naphthalene	ND		ug/m ³	14	13.4	EPA TO-15	03/13/2019 09:00	03/13/2019 23:56	AS
							Certifications:	NJDEP-Queens		
104-51-8	* n-Butylbenzene	ND		ug/m ³	7.4	13.4	EPA TO-15	03/13/2019 09:00	03/13/2019 23:56	AS
							Certifications:			
142-82-5	n-Heptane	ND		ug/m ³	5.5	13.4	EPA TO-15	03/13/2019 09:00	03/13/2019 23:56	AS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
110-54-3	n-Hexane	66		ug/m ³	4.7	13.4	EPA TO-15	03/13/2019 09:00	03/13/2019 23:56	AS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
103-65-1	* n-Propylbenzene	7.2		ug/m ³	6.6	13.4	EPA TO-15	03/13/2019 09:00	03/13/2019 23:56	AS
							Certifications:			
95-47-6	o-Xylene	ND		ug/m ³	5.8	13.4	EPA TO-15	03/13/2019 09:00	03/13/2019 23:56	AS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
179601-23-1	p- & m- Xylenes	ND		ug/m ³	12	13.4	EPA TO-15	03/13/2019 09:00	03/13/2019 23:56	AS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
622-96-8	* p-Ethyltoluene	ND		ug/m ³	6.6	13.4	EPA TO-15	03/13/2019 09:00	03/13/2019 23:56	AS
							Certifications:			
99-87-6	* p-Isopropyltoluene	ND		ug/m ³	7.4	13.4	EPA TO-15	03/13/2019 09:00	03/13/2019 23:56	AS
							Certifications:			
115-07-1	* Propylene	ND		ug/m ³	2.3	13.4	EPA TO-15	03/13/2019 09:00	03/13/2019 23:56	AS
							Certifications:			
135-98-8	* sec-Butylbenzene	ND		ug/m ³	7.4	13.4	EPA TO-15	03/13/2019 09:00	03/13/2019 23:56	AS
							Certifications:			
100-42-5	Styrene	ND		ug/m ³	5.7	13.4	EPA TO-15	03/13/2019 09:00	03/13/2019 23:56	AS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
98-06-6	* tert-Butylbenzene	ND		ug/m ³	7.4	13.4	EPA TO-15	03/13/2019 09:00	03/13/2019 23:56	AS
							Certifications:			
127-18-4	Tetrachloroethylene	ND		ug/m ³	2.3	13.4	EPA TO-15	03/13/2019 09:00	03/13/2019 23:56	AS
							Certifications:	NELAC-NY12058,NJDEP-Queens		



Sample Information

Client Sample ID: VP-2

York Sample ID: 19C0284-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C0284

Boemia 100 E.149th Street Bronx NY

Soil Vapor

March 7, 2019 3:00 pm

03/11/2019

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
109-99-9	* Tetrahydrofuran	ND		ug/m ³	7.9	13.4	EPA TO-15 Certifications:	03/13/2019 09:00	03/13/2019 23:56	AS
108-88-3	Toluene	ND		ug/m ³	5.0	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/13/2019 23:56	AS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	5.3	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/13/2019 23:56	AS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	6.1	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/13/2019 23:56	AS
79-01-6	Trichloroethylene	ND		ug/m ³	1.8	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/13/2019 23:56	AS
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m ³	7.5	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/13/2019 23:56	AS
108-05-4	Vinyl acetate	ND		ug/m ³	4.7	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/13/2019 23:56	AS
593-60-2	Vinyl bromide	ND		ug/m ³	5.9	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/13/2019 23:56	AS
75-01-4	Vinyl Chloride	ND		ug/m ³	0.86	13.4	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/13/2019 23:56	AS
	Tentatively Identified Compounds	0.0		ug/m ³		13.4	EPA TO-15 Certifications: NJDEP-Queens	03/13/2019 09:00	03/13/2019 23:56	AS
	Surrogate Recoveries	Result		Acceptance Range						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	93.9 %		70-130						

Sample Information

Client Sample ID: VP-3

York Sample ID: 19C0284-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C0284

Boemia 100 E.149th Street Bronx NY

Soil Vapor

March 7, 2019 3:00 pm

03/11/2019

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	9.3	13.58	EPA TO-15 Certifications:	03/13/2019 09:00	03/14/2019 00:57	AS
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	7.4	13.58	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 00:57	AS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	9.3	13.58	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 00:57	AS



Sample Information

Client Sample ID: VP-3

York Sample ID: 19C0284-03

York Project (SDG) No.

19C0284

Client Project ID

Boemia 100 E.149th Street Bronx NY

Matrix

Soil Vapor

Collection Date/Time

March 7, 2019 3:00 pm

Date Received

03/11/2019

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
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	10	13.58	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 00:57	AS
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	7.4	13.58	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 00:57	AS
75-34-3	1,1-Dichloroethane	ND		ug/m ³	5.5	13.58	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 00:57	AS
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	1.3	13.58	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 00:57	AS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	10	13.58	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 00:57	AS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m ³	6.7	13.58	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 00:57	AS
106-93-4	1,2-Dibromoethane	ND		ug/m ³	10	13.58	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 00:57	AS
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	8.2	13.58	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 00:57	AS
107-06-2	1,2-Dichloroethane	ND		ug/m ³	5.5	13.58	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 00:57	AS
78-87-5	1,2-Dichloropropane	ND		ug/m ³	6.3	13.58	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 00:57	AS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	9.5	13.58	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 00:57	AS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	6.7	13.58	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 00:57	AS
106-99-0	1,3-Butadiene	ND		ug/m ³	9.0	13.58	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 00:57	AS
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	8.2	13.58	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 00:57	AS
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	6.3	13.58	EPA TO-15 Certifications:	03/13/2019 09:00	03/14/2019 00:57	AS
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	8.2	13.58	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 00:57	AS
123-91-1	1,4-Dioxane	ND		ug/m ³	9.8	13.58	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 00:57	AS
78-93-3	2-Butanone	19		ug/m ³	4.0	13.58	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 00:57	AS
591-78-6	* 2-Hexanone	ND		ug/m ³	11	13.58	EPA TO-15 Certifications:	03/13/2019 09:00	03/14/2019 00:57	AS
107-05-1	3-Chloropropene	ND		ug/m ³	21	13.58	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 00:57	AS
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	5.6	13.58	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 00:57	AS
67-64-1	Acetone	120	B	ug/m ³	6.5	13.58	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 00:57	AS



Sample Information

Client Sample ID: VP-3

York Sample ID: 19C0284-03

York Project (SDG) No.

19C0284

Client Project ID

Boemia 100 E.149th Street Bronx NY

Matrix

Soil Vapor

Collection Date/Time

March 7, 2019 3:00 pm

Date Received

03/11/2019

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
107-02-8	* Acrolein	ND		ug/m ³	3.1	13.58	EPA TO-15 Certifications:	03/13/2019 09:00	03/14/2019 00:57	AS
107-13-1	Acrylonitrile	ND		ug/m ³	2.9	13.58	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 00:57	AS
71-43-2	Benzene	ND		ug/m ³	4.3	13.58	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 00:57	AS
100-44-7	Benzyl chloride	ND		ug/m ³	7.0	13.58	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 00:57	AS
75-27-4	Bromodichloromethane	ND		ug/m ³	9.1	13.58	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 00:57	AS
75-25-2	Bromoform	ND		ug/m ³	14	13.58	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 00:57	AS
74-83-9	Bromomethane	ND		ug/m ³	5.3	13.58	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 00:57	AS
75-15-0	Carbon disulfide	6.3		ug/m ³	4.2	13.58	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 00:57	AS
56-23-5	Carbon tetrachloride	ND		ug/m ³	2.1	13.58	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 00:57	AS
108-90-7	Chlorobenzene	ND		ug/m ³	6.3	13.58	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 00:57	AS
75-00-3	Chloroethane	ND		ug/m ³	3.6	13.58	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 00:57	AS
67-66-3	Chloroform	17		ug/m ³	6.6	13.58	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 00:57	AS
74-87-3	Chloromethane	ND		ug/m ³	2.8	13.58	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 00:57	AS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	1.3	13.58	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 00:57	AS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	6.2	13.58	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 00:57	AS
110-82-7	Cyclohexane	ND		ug/m ³	4.7	13.58	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 00:57	AS
124-48-1	Dibromochloromethane	ND		ug/m ³	12	13.58	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 00:57	AS
75-71-8	Dichlorodifluoromethane	ND		ug/m ³	6.7	13.58	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 00:57	AS
64-17-5	* Ethanol	ND		ug/m ³	2.6	13.58	EPA TO-15 Certifications:	03/13/2019 09:00	03/14/2019 00:57	AS
141-78-6	* Ethyl acetate	ND		ug/m ³	9.8	13.58	EPA TO-15 Certifications:	03/13/2019 09:00	03/14/2019 00:57	AS
100-41-4	Ethyl Benzene	ND		ug/m ³	5.9	13.58	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 00:57	AS
87-68-3	Hexachlorobutadiene	ND		ug/m ³	14	13.58	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 00:57	AS



Sample Information

Client Sample ID: VP-3

York Sample ID: 19C0284-03

York Project (SDG) No.

19C0284

Client Project ID

Boemia 100 E.149th Street Bronx NY

Matrix

Soil Vapor

Collection Date/Time

March 7, 2019 3:00 pm

Date Received

03/11/2019

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
67-63-0	Isopropanol	ND		ug/m ³	6.7	13.58	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 00:57	AS
98-82-8	Isopropylbenzene	ND		ug/m ³	6.7	13.58	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 00:57	AS
80-62-6	Methyl Methacrylate	ND		ug/m ³	5.6	13.58	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 00:57	AS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	4.9	13.58	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 00:57	AS
75-09-2	Methylene chloride	ND		ug/m ³	9.4	13.58	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 00:57	AS
91-20-3	* Naphthalene	ND		ug/m ³	14	13.58	EPA TO-15 Certifications: NJDEP-Queens	03/13/2019 09:00	03/14/2019 00:57	AS
104-51-8	* n-Butylbenzene	ND		ug/m ³	7.5	13.58	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 00:57	AS
142-82-5	n-Heptane	ND		ug/m ³	5.6	13.58	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 00:57	AS
110-54-3	n-Hexane	7.2		ug/m ³	4.8	13.58	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 00:57	AS
103-65-1	* n-Propylbenzene	ND		ug/m ³	6.7	13.58	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 00:57	AS
95-47-6	o-Xylene	ND		ug/m ³	5.9	13.58	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 00:57	AS
179601-23-1	p- & m- Xylenes	ND		ug/m ³	12	13.58	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 00:57	AS
622-96-8	* p-Ethyltoluene	ND		ug/m ³	6.7	13.58	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 00:57	AS
99-87-6	* p-Isopropyltoluene	ND		ug/m ³	7.5	13.58	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 00:57	AS
115-07-1	* Propylene	ND		ug/m ³	2.3	13.58	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 00:57	AS
135-98-8	* sec-Butylbenzene	ND		ug/m ³	7.5	13.58	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 00:57	AS
100-42-5	Styrene	ND		ug/m ³	5.8	13.58	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 00:57	AS
98-06-6	* tert-Butylbenzene	ND		ug/m ³	7.5	13.58	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 00:57	AS
127-18-4	Tetrachloroethylene	ND		ug/m ³	2.3	13.58	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 00:57	AS
109-99-9	* Tetrahydrofuran	ND		ug/m ³	8.0	13.58	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 00:57	AS
108-88-3	Toluene	7.2	B	ug/m ³	5.1	13.58	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 00:57	AS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	5.4	13.58	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 00:57	AS



Sample Information

Client Sample ID: VP-3

York Sample ID: 19C0284-03

York Project (SDG) No.

19C0284

Client Project ID

Boemia 100 E.149th Street Bronx NY

Matrix

Soil Vapor

Collection Date/Time

March 7, 2019 3:00 pm

Date Received

03/11/2019

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
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	6.2	13.58	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 00:57	AS
79-01-6	Trichloroethylene	ND		ug/m ³	1.8	13.58	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 00:57	AS
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m ³	7.6	13.58	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 00:57	AS
108-05-4	Vinyl acetate	ND		ug/m ³	4.8	13.58	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 00:57	AS
593-60-2	Vinyl bromide	ND		ug/m ³	5.9	13.58	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 00:57	AS
75-01-4	Vinyl Chloride	ND		ug/m ³	0.87	13.58	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 00:57	AS
	Tentatively Identified Compounds	0.0		ug/m ³		13.58	EPA TO-15 Certifications: NJDEP-Queens	03/13/2019 09:00	03/14/2019 00:57	AS
	Surrogate Recoveries	Result		Acceptance Range						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	86.3 %		70-130						

Sample Information

Client Sample ID: VP-4

York Sample ID: 19C0284-04

York Project (SDG) No.

19C0284

Client Project ID

Boemia 100 E.149th Street Bronx NY

Matrix

Soil Vapor

Collection Date/Time

March 7, 2019 3:00 pm

Date Received

03/11/2019

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	9.4	13.67	EPA TO-15 Certifications:	03/13/2019 09:00	03/14/2019 01:57	AS
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	7.5	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 01:57	AS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	9.4	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 01:57	AS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	10	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 01:57	AS
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	7.5	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 01:57	AS
75-34-3	1,1-Dichloroethane	ND		ug/m ³	5.5	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 01:57	AS



Sample Information

Client Sample ID: VP-4

York Sample ID: 19C0284-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C0284

Boemia 100 E.149th Street Bronx NY

Soil Vapor

March 7, 2019 3:00 pm

03/11/2019

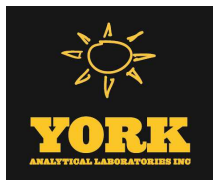
Volatile Organics, EPA TO15 Full List

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
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	1.4	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 01:57	AS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	10	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 01:57	AS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m ³	6.7	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 01:57	AS
106-93-4	1,2-Dibromoethane	ND		ug/m ³	11	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 01:57	AS
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	8.2	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 01:57	AS
107-06-2	1,2-Dichloroethane	ND		ug/m ³	5.5	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 01:57	AS
78-87-5	1,2-Dichloropropane	ND		ug/m ³	6.3	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 01:57	AS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	9.6	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 01:57	AS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	6.7	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 01:57	AS
106-99-0	1,3-Butadiene	12		ug/m ³	9.1	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 01:57	AS
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	8.2	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 01:57	AS
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	6.3	13.67	EPA TO-15 Certifications:	03/13/2019 09:00	03/14/2019 01:57	AS
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	8.2	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 01:57	AS
123-91-1	1,4-Dioxane	ND		ug/m ³	9.9	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 01:57	AS
78-93-3	2-Butanone	31		ug/m ³	4.0	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 01:57	AS
591-78-6	* 2-Hexanone	ND		ug/m ³	11	13.67	EPA TO-15 Certifications:	03/13/2019 09:00	03/14/2019 01:57	AS
107-05-1	3-Chloropropene	ND		ug/m ³	21	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 01:57	AS
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	5.6	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 01:57	AS
67-64-1	Acetone	130	B	ug/m ³	6.5	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 01:57	AS
107-02-8	* Acrolein	ND		ug/m ³	3.1	13.67	EPA TO-15 Certifications:	03/13/2019 09:00	03/14/2019 01:57	AS
107-13-1	Acrylonitrile	ND		ug/m ³	3.0	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 01:57	AS
71-43-2	Benzene	24		ug/m ³	4.4	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 01:57	AS



Sample Information

Client Sample ID: VP-4

York Sample ID: 19C0284-04

York Project (SDG) No.

19C0284

Client Project ID

Boemia 100 E.149th Street Bronx NY

Matrix

Soil Vapor

Collection Date/Time

March 7, 2019 3:00 pm

Date Received

03/11/2019

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
100-44-7	Benzyl chloride	ND		ug/m ³	7.1	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 01:57	AS
75-27-4	Bromodichloromethane	ND		ug/m ³	9.2	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 01:57	AS
75-25-2	Bromoform	ND		ug/m ³	14	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 01:57	AS
74-83-9	Bromomethane	ND		ug/m ³	5.3	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 01:57	AS
75-15-0	Carbon disulfide	ND		ug/m ³	4.3	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 01:57	AS
56-23-5	Carbon tetrachloride	ND		ug/m ³	2.2	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 01:57	AS
108-90-7	Chlorobenzene	ND		ug/m ³	6.3	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 01:57	AS
75-00-3	Chloroethane	ND		ug/m ³	3.6	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 01:57	AS
67-66-3	Chloroform	13		ug/m ³	6.7	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 01:57	AS
74-87-3	Chloromethane	5.6		ug/m ³	2.8	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 01:57	AS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	1.4	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 01:57	AS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	6.2	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 01:57	AS
110-82-7	Cyclohexane	32		ug/m ³	4.7	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 01:57	AS
124-48-1	Dibromochloromethane	ND		ug/m ³	12	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 01:57	AS
75-71-8	Dichlorodifluoromethane	ND		ug/m ³	6.8	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 01:57	AS
64-17-5	* Ethanol	ND		ug/m ³	2.6	13.67	EPA TO-15 Certifications:	03/13/2019 09:00	03/14/2019 01:57	AS
141-78-6	* Ethyl acetate	ND		ug/m ³	9.9	13.67	EPA TO-15 Certifications:	03/13/2019 09:00	03/14/2019 01:57	AS
100-41-4	Ethyl Benzene	7.7		ug/m ³	5.9	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 01:57	AS
87-68-3	Hexachlorobutadiene	ND		ug/m ³	15	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 01:57	AS
67-63-0	Isopropanol	ND		ug/m ³	6.7	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 01:57	AS
98-82-8	Isopropylbenzene	ND		ug/m ³	6.7	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 01:57	AS
80-62-6	Methyl Methacrylate	ND		ug/m ³	5.6	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 01:57	AS



Sample Information

Client Sample ID: VP-4

York Sample ID: 19C0284-04

York Project (SDG) No.

19C0284

Client Project ID

Boemia 100 E.149th Street Bronx NY

Matrix

Soil Vapor

Collection Date/Time

March 7, 2019 3:00 pm

Date Received

03/11/2019

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
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	4.9	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 01:57	AS
75-09-2	Methylene chloride	ND		ug/m ³	9.5	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 01:57	AS
91-20-3	* Naphthalene	ND		ug/m ³	14	13.67	EPA TO-15 Certifications: NJDEP-Queens	03/13/2019 09:00	03/14/2019 01:57	AS
104-51-8	* n-Butylbenzene	ND		ug/m ³	7.5	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 01:57	AS
142-82-5	n-Heptane	170		ug/m ³	5.6	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 01:57	AS
110-54-3	n-Hexane	130		ug/m ³	4.8	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 01:57	AS
103-65-1	* n-Propylbenzene	ND		ug/m ³	6.7	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 01:57	AS
95-47-6	o-Xylene	14		ug/m ³	5.9	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 01:57	AS
179601-23-1	p- & m- Xylenes	31		ug/m ³	12	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 01:57	AS
622-96-8	* p-Ethyltoluene	ND		ug/m ³	6.7	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 01:57	AS
99-87-6	* p-Isopropyltoluene	ND		ug/m ³	7.5	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 01:57	AS
115-07-1	* Propylene	ND		ug/m ³	2.4	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 01:57	AS
135-98-8	* sec-Butylbenzene	ND		ug/m ³	7.5	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 01:57	AS
100-42-5	Styrene	ND		ug/m ³	5.8	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 01:57	AS
98-06-6	* tert-Butylbenzene	ND		ug/m ³	7.5	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 01:57	AS
127-18-4	Tetrachloroethylene	ND		ug/m ³	2.3	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 01:57	AS
109-99-9	* Tetrahydrofuran	ND		ug/m ³	8.1	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 01:57	AS
108-88-3	Toluene	29	B	ug/m ³	5.2	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 01:57	AS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	5.4	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 01:57	AS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	6.2	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 01:57	AS
79-01-6	Trichloroethylene	ND		ug/m ³	1.8	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 01:57	AS
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m ³	7.7	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 01:57	AS



Sample Information

Client Sample ID: VP-4

York Sample ID: 19C0284-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

19C0284

Boemia 100 E.149th Street Bronx NY

Soil Vapor

March 7, 2019 3:00 pm

03/11/2019

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
108-05-4	Vinyl acetate	ND		ug/m ³	4.8	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 01:57	AS
593-60-2	Vinyl bromide	ND		ug/m ³	6.0	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 01:57	AS
75-01-4	Vinyl Chloride	ND		ug/m ³	0.87	13.67	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/13/2019 09:00	03/14/2019 01:57	AS
	Tentatively Identified Compounds	0.0		ug/m ³		13.67	EPA TO-15 Certifications: NJDEP-Queens	03/13/2019 09:00	03/14/2019 01:57	AS
Surrogate Recoveries		Result		Acceptance Range						
460-00-4	Surrogate: SURR: <i>p</i> -Bromofluorobenzene	94.7 %			70-130					





Sample and Data Qualifiers Relating to This Work Order

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

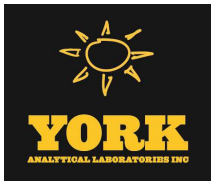
If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For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

Appendix G

Eastern Environmental Solutions, Inc
258 Line Road
Manorville, New York 11949

BORING LOG

BORING ID: SB-1

 Project Location: 100 East 149th Street, Bronx NY _____ _____ Boring Method: Geoprobe 6610 Sampling Method: <u> </u> Direct push <u> </u>	Date: 1/3/19 Operator: Pat Slavin NOTES: _____ _____ _____

DEPTH in feet	PID	OBSERVATIONS/DESCRIPTION	USC CODE
0	9.5 ppm	Asphalt to .6" bgs then broken concrete/powered brick, silty sand	
5	15.5 ppm		
5	22.8 ppm		
10	48 ppm	Fill material (concrete, asphalt) Silty Sand - Obvious Odor	
10	82 ppm		
15	36 ppm	Silty Sand - Obvious Odor	

G = Gravel S = Sand
M = Silt C = Clay
O = Organic

P = Poorly Graded W = Well Graded
H = High Plasticity L = Low Plasticity

Coarse Grained Soils: 50% retained #200 sieve

Fine Grained Soils: 50% passes #200 sieve

Eastern Environmental Solutions, Inc
258 Line Road
Manorville, New York 11949

BORING LOG

BORING ID: SB-2

		Date: 1/3/19	
Project Location: 100 East 149th Street, Bronx NY		Operator: Pat Slavin	
Boring Method: Geoprobe 6610		NOTES:	
Sampling Method: <u>Direct push</u>			
DEPTH in feet	PID	OBSERVATIONS/DESCRIPTION	USC CODE
0	0 ppm	Asphalt to .6" bgs then broken concrete/powered brick, silty sand	
5	0 ppm		
5	8 ppm		
10	5 ppm	Fill material (concrete, asphalt) Silty Sand - Obvious Odor	
10	76 ppm		
15	44 ppm	Silty Sand - Obvious Odor	

G = Gravel S = Sand
M = Silt C = Clay
O = Organic

P = Poorly Graded W = Well Graded
H = High Plasticity L = Low Plasticity

Coarse Grained Soils: 50% retained #200 sieve

Fine Grained Soils: 50% passes #200 sieve

Eastern Environmental Solutions, Inc
258 Line Road
Manorville, New York 11949

BORING LOG

BORING ID: SB-3

	Date: 1/3/19
	Operator: Pat Slavin
	NOTES: _____

Project Location: 100 East 149th Street, Bronx NY	

Boring Method: Geoprobe 6610	
Sampling Method: <u> </u> Direct push <u> </u>	

DEPTH in feet	PID	OBSERVATIONS/DESCRIPTION	USC CODE
0	0 ppm	Asphalt to .6" bgs then broken concrete/powered brick, silty sand	
5	0 ppm		
5	0 ppm		
10	5 ppm	Fill material (concrete, asphalt) Silty Sand - Slight Odor	
10	11 ppm		
15	26 ppm	Silty Sand - slight Odor	

G = Gravel S = Sand
M = Silt C = Clay
O = Organic

P = Poorly Graded W = Well Graded
H = High Plasticity L = Low Plasticity

Coarse Grained Soils: 50% retained #200 sieve

Fine Grained Soils: 50% passes #200 sieve

Eastern Environmental Solutions, Inc
258 Line Road
Manorville, New York 11949

BORING LOG

BORING ID: SB-4

 Project Location: 100 East 149th Street, Bronx NY _____ _____ Boring Method: Geoprobe 6610 Sampling Method: <u> </u> Direct push <u> </u>	Date: 1/3/19 Operator: Pat Slavin NOTES: _____ _____ _____

DEPTH in feet	PID	OBSERVATIONS/DESCRIPTION	USC CODE
0	0 ppm	Asphalt to .6" bgs then broken concrete/powered brick, silty sand	
5	0 ppm		
5	0 ppm		
10	10 ppm	Fill material (concrete, asphalt) Silty Sand - Slight Odor	
10	12 ppm		
15	15 ppm	Silty Sand - slight Odor	

G = Gravel S = Sand
M = Silt C = Clay
O = Organic

P = Poorly Graded W = Well Graded
H = High Plasticity L = Low Plasticity

Coarse Grained Soils: 50% retained #200 sieve

Fine Grained Soils: 50% passes #200 sieve

Eastern Environmental Solutions, Inc
258 Line Road
Manorville, New York 11949

BORING LOG

BORING ID: SB-5

		Date: 1/3/19	
Project Location: 100 East 149th Street, Bronx NY		Operator: Pat Slavin	
Boring Method: Geoprobe 6610		NOTES:	
Sampling Method: <u>Direct push</u>			
DEPTH in feet	PID	OBSERVATIONS/DESCRIPTION	USC CODE
0	5 ppm	Asphalt to .6" bgs then broken concrete/powered brick, silty sand	
5	7 ppm		
5	20 ppm		
10	56 ppm	Fill material (concrete, asphalt) Silty Sand - obvious Odor	
10	122 ppm		
15	65 ppm	Silty Sand - obvious Odor	

G = Gravel S = Sand
M = Silt C = Clay
O = Organic

P = Poorly Graded W = Well Graded
H = High Plasticity L = Low Plasticity

Coarse Grained Soils: 50% retained #200 sieve

Fine Grained Soils: 50% passes #200 sieve

Eastern Environmental Solutions, Inc
258 Line Road
Manorville, New York 11949

BORING LOG

BORING ID: SB-6

		Date: 1/3/19	
Project Location: 100 East 149th Street, Bronx NY		Operator: Pat Slavin	
Boring Method: Geoprobe 6610		NOTES:	
Sampling Method: <u>Direct push</u>			
DEPTH in feet	PID	OBSERVATIONS/DESCRIPTION	USC CODE
0	5 ppm	Asphalt to .6" bgs then broken concrete/powered brick, silty sand	
5	15 ppm	slight odor	
5	22 ppm		
10	26 ppm	Fill material (concrete, asphalt) Silty Sand - slight Odor	
10	28 ppm		
15	25 ppm	Silty Sand - slight Odor	

G = Gravel S = Sand
M = Silt C = Clay
O = Organic

P = Poorly Graded W = Well Graded
H = High Plasticity L = Low Plasticity

Coarse Grained Soils: 50% retained #200 sieve

Fine Grained Soils: 50% passes #200 sieve

Eastern Environmental Solutions, Inc
258 Line Road
Manorville, New York 11949

BORING LOG

BORING ID: SB-7

		Date: 1/3/19	
Project Location: 100 East 149th Street, Bronx NY		Operator: Pat Slavin	
Boring Method: Geoprobe 6610		NOTES:	
Sampling Method: <u>Direct push</u>			
DEPTH in feet	PID	OBSERVATIONS/DESCRIPTION	USC CODE
0	0 ppm	Asphalt to .6" bgs then broken concrete/powered brick, silty sand	
5	5 ppm	slight odor	
5	12 ppm		
10	16 ppm	Fill material (concrete, asphalt) Silty Sand - slight Odor	
10	15 ppm		
15	22 ppm	Silty Sand - slight Odor	

G = Gravel S = Sand
M = Silt C = Clay
O = Organic

P = Poorly Graded W = Well Graded
H = High Plasticity L = Low Plasticity

Coarse Grained Soils: 50% retained #200 sieve

Fine Grained Soils: 50% passes #200 sieve

Eastern Environmental Solutions, Inc
258 Line Road
Manorville, New York 11949

BORING LOG

BORING ID: SB-8

		Date: 1/3/19	
Project Location: 100 East 149th Street, Bronx NY		Operator: Pat Slavin	
Boring Method: Geoprobe 6610		NOTES: _____	
Sampling Method: <u>Direct push</u>		_____	
DEPTH in feet	PID	OBSERVATIONS/DESCRIPTION	USC CODE
0	0 ppm	Asphalt to .6" bgs then broken concrete/powered brick, silty sand	
5	5 ppm	slight odor	
5	22 ppm		
10	36 ppm	Fill material (concrete, asphalt) Silty Sand - Obvious Odor	
10	75 ppm		
15	102 ppm	Silty Sand - Obvious Odor	

G = Gravel S = Sand
M = Silt C = Clay
O = Organic

P = Poorly Graded W = Well Graded
H = High Plasticity L = Low Plasticity

Coarse Grained Soils: 50% retained #200 sieve

Fine Grained Soils: 50% passes #200 sieve

Eastern Environmental Solutions, Inc
258 Line Road
Manorville, New York 11949

BORING LOG

BORING ID: SB-9

 Project Location: 100 East 149th Street, Bronx NY Boring Method: Geoprobe 6610 Sampling Method: <u>Direct push</u>	Date: 1/3/19
	Operator: Pat Slavin
	NOTES: _____

DEPTH in feet	PID	OBSERVATIONS/DESCRIPTION	USC CODE
0	0 ppm	Asphalt to .6" bgs then broken concrete/powered brick, silty sand	
5	5 ppm	slight odor	
5	28 ppm		
10	34 ppm	Fill material (concrete, asphalt) Silty Sand - Obvious Odor	
10	45 ppm		
15	62 ppm	Silty Sand - Obvious Odor	

G = Gravel S = Sand
M = Silt C = Clay
O = Organic

P = Poorly Graded W = Well Graded
H = High Plasticity L = Low Plasticity

Coarse Grained Soils: 50% retained #200 sieve

Fine Grained Soils: 50% passes #200 sieve

Eastern Environmental Solutions, Inc
258 Line Road
Manorville, New York 11949

BORING LOG

BORING ID: SB-10

		Date: 1/3/19																																																																													
Project Location: 100 East 149th Street, Bronx NY		Operator: Pat Slavin																																																																													
Boring Method: Geoprobe 6610		NOTES: _____																																																																													
Sampling Method: <u> </u> Direct push <u> </u>		_____																																																																													
<table border="1"><thead><tr><th>DEPTH in feet</th><th>PID</th><th>OBSERVATIONS/DESCRIPTION</th><th>USC CODE</th></tr></thead><tbody><tr><td>0</td><td>0 ppm</td><td>Asphalt to .6" bgs then broken concrete/powered brick, silty sand</td><td></td></tr><tr><td>5</td><td>11 ppm</td><td>slight odor</td><td></td></tr><tr><td>5</td><td>38 ppm</td><td></td><td></td></tr><tr><td>10</td><td>44 ppm</td><td>Fill material (concrete, asphalt) Silty Sand - Obvious Odor</td><td></td></tr><tr><td>10</td><td>53 ppm</td><td></td><td></td></tr><tr><td>15</td><td>59 ppm</td><td>Silty Sand - Obvious Odor</td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr></tbody></table>				DEPTH in feet	PID	OBSERVATIONS/DESCRIPTION	USC CODE	0	0 ppm	Asphalt to .6" bgs then broken concrete/powered brick, silty sand		5	11 ppm	slight odor		5	38 ppm			10	44 ppm	Fill material (concrete, asphalt) Silty Sand - Obvious Odor		10	53 ppm			15	59 ppm	Silty Sand - Obvious Odor																																																	
DEPTH in feet	PID	OBSERVATIONS/DESCRIPTION	USC CODE																																																																												
0	0 ppm	Asphalt to .6" bgs then broken concrete/powered brick, silty sand																																																																													
5	11 ppm	slight odor																																																																													
5	38 ppm																																																																														
10	44 ppm	Fill material (concrete, asphalt) Silty Sand - Obvious Odor																																																																													
10	53 ppm																																																																														
15	59 ppm	Silty Sand - Obvious Odor																																																																													

G = Gravel S = Sand
M = Silt C = Clay
O = Organic

P = Poorly Graded W = Well Graded
H = High Plasticity L = Low Plasticity

Coarse Grained Soils: 50% retained #200 sieve

Fine Grained Soils: 50% passes #200 sieve

Eastern Environmental Solutions, Inc
258 Line Road
Manorville, New York 11949

BORING LOG

BORING ID: SB-11

		Date: 1/3/19																																																																													
Project Location: 100 East 149th Street, Bronx NY		Operator: Pat Slavin																																																																													
Boring Method: Geoprobe 6610		NOTES: _____																																																																													
Sampling Method: <u> </u> Direct push <u> </u>		_____																																																																													
<table border="1"><thead><tr><th>DEPTH in feet</th><th>PID</th><th>OBSERVATIONS/DESCRIPTION</th><th>USC CODE</th></tr></thead><tbody><tr><td>0</td><td>0 ppm</td><td>Asphalt to .6" bgs then broken concrete/powered brick, silty sand</td><td></td></tr><tr><td>5</td><td>8 ppm</td><td>slight odor</td><td></td></tr><tr><td>5</td><td>18 ppm</td><td></td><td></td></tr><tr><td>10</td><td>64 ppm</td><td>Fill material (concrete, asphalt) Silty Sand - Obvious Odor</td><td></td></tr><tr><td>10</td><td>88 ppm</td><td></td><td></td></tr><tr><td>15</td><td>112 ppm</td><td>Silty Sand - Obvious Odor</td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr></tbody></table>				DEPTH in feet	PID	OBSERVATIONS/DESCRIPTION	USC CODE	0	0 ppm	Asphalt to .6" bgs then broken concrete/powered brick, silty sand		5	8 ppm	slight odor		5	18 ppm			10	64 ppm	Fill material (concrete, asphalt) Silty Sand - Obvious Odor		10	88 ppm			15	112 ppm	Silty Sand - Obvious Odor																																																	
DEPTH in feet	PID	OBSERVATIONS/DESCRIPTION	USC CODE																																																																												
0	0 ppm	Asphalt to .6" bgs then broken concrete/powered brick, silty sand																																																																													
5	8 ppm	slight odor																																																																													
5	18 ppm																																																																														
10	64 ppm	Fill material (concrete, asphalt) Silty Sand - Obvious Odor																																																																													
10	88 ppm																																																																														
15	112 ppm	Silty Sand - Obvious Odor																																																																													

G = Gravel S = Sand
M = Silt C = Clay
O = Organic

P = Poorly Graded W = Well Graded
H = High Plasticity L = Low Plasticity

Coarse Grained Soils: 50% retained #200 sieve

Fine Grained Soils: 50% passes #200 sieve

Eastern Environmental Solutions, Inc
258 Line Road
Manorville, New York 11949

BORING LOG

BORING ID: **SB-12**



Project Location: 100 East 149th Street, Bronx NY

Date: 1/3/19

Operator: Pat Slavin

NOTES: _____

Boring Method: Geoprobe 6610

Sampling Method: Direct push

[illegible]

G = Gravel S = Sand
M = Silt C = Clay
O = Organic

P = Poorly Graded W = Well Graded
H = High Plasticity L = Low Plasticity

Coarse Grained Soils: 50% retained #200 sieve

Fine Grained Soils: 50% passes #200 sieve

Eastern Environmental Solutions, Inc
258 Line Road
Manorville, New York 11949

BORING LOG

BORING ID: SB-13

		Date: 1/3/19	
Project Location: 100 East 149th Street, Bronx NY		Operator: Pat Slavin	
Boring Method: Geoprobe 6610		NOTES:	
Sampling Method: <u>Direct push</u>			
DEPTH in feet	PID	OBSERVATIONS/DESCRIPTION	USC CODE
0	0 ppm	Asphalt to .6" bgs then broken concrete/powered brick, silty sand	
5	5 ppm	slight odor	
5	25 ppm		
10	55 ppm	Fill material (concrete, asphalt) Silty Sand - Obvious Odor	
10	48 ppm		
15	52 ppm	Silty Sand - Obvious Odor	

G = Gravel S = Sand
M = Silt C = Clay
O = Organic

P = Poorly Graded W = Well Graded
H = High Plasticity L = Low Plasticity

Coarse Grained Soils: 50% retained #200 sieve

Fine Grained Soils: 50% passes #200 sieve

Eastern Environmental Solutions, Inc
258 Line Road
Manorville, New York 11949

BORING LOG

BORING ID: SB-14

		Date: 1/3/19																																																																													
Project Location: 100 East 149th Street, Bronx NY		Operator: Pat Slavin																																																																													
Boring Method: Geoprobe 6610		NOTES: _____																																																																													
Sampling Method: <u> </u> Direct push <u> </u>		_____																																																																													
<table border="1"><thead><tr><th>DEPTH in feet</th><th>PID</th><th>OBSERVATIONS/DESCRIPTION</th><th>USC CODE</th></tr></thead><tbody><tr><td>0</td><td>0 ppm</td><td>Asphalt to .6" bgs then broken concrete/powered brick, silty sand</td><td></td></tr><tr><td>5</td><td>0 ppm</td><td>slight odor</td><td></td></tr><tr><td>5</td><td>15 ppm</td><td></td><td></td></tr><tr><td>10</td><td>25 ppm</td><td>Fill material (concrete, asphalt) Silty Sand - Obvious Odor</td><td></td></tr><tr><td>10</td><td>36 ppm</td><td></td><td></td></tr><tr><td>15</td><td>42 ppm</td><td>Silty Sand - Obvious Odor</td><td></td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr></tbody></table>				DEPTH in feet	PID	OBSERVATIONS/DESCRIPTION	USC CODE	0	0 ppm	Asphalt to .6" bgs then broken concrete/powered brick, silty sand		5	0 ppm	slight odor		5	15 ppm			10	25 ppm	Fill material (concrete, asphalt) Silty Sand - Obvious Odor		10	36 ppm			15	42 ppm	Silty Sand - Obvious Odor																																																	
DEPTH in feet	PID	OBSERVATIONS/DESCRIPTION	USC CODE																																																																												
0	0 ppm	Asphalt to .6" bgs then broken concrete/powered brick, silty sand																																																																													
5	0 ppm	slight odor																																																																													
5	15 ppm																																																																														
10	25 ppm	Fill material (concrete, asphalt) Silty Sand - Obvious Odor																																																																													
10	36 ppm																																																																														
15	42 ppm	Silty Sand - Obvious Odor																																																																													

G = Gravel S = Sand
M = Silt C = Clay
O = Organic

P = Poorly Graded W = Well Graded
H = High Plasticity L = Low Plasticity

Coarse Grained Soils: 50% retained #200 sieve

Fine Grained Soils: 50% passes #200 sieve

Eastern Environmental Solutions, Inc
258 Line Road
Manorville, New York 11949

BORING LOG

BORING ID: SB-15



Project Location: 100 East 149th Street, Bronx NY

Date: 1/3/19

Operator: Pat Slavin

NOTES:_____

Boring Method: Geoprobe 6610

Sampling Method: Direct push

[illegible]

G = Gravel S = Sand
M = Silt C = Clay
O = Organic

P = Poorly Graded W = Well Graded
H = High Plasticity L = Low Plasticity

Coarse Grained Soils: 50% retained #200 sieve

Fine Grained Soils: 50% passes #200 sieve

Remedial Action Plan

For
100 East 149th St.
Bronx, New York
NYC Tax Map No. Block 2351, Lot 35
NYCOER Project Number 19TMP1170X

Prepared for:
The New York City Office of Environmental Remediation
100 Gold St., 2nd Floor, New York, NY

Prepared by:
Eastern Environmental Solutions, Inc.
258 Line Rd., Manorville, NY
631-727-2700

DECEMBER, 2019

REMEDIAL ACTION PLAN

TABLE OF CONTENTS

EXECUTIVE SUMMARY	i
REMEDIAL ACTION PLAN	1
1.0 SITE BACKGROUND	1
1.1 Site Location and Current Usage	1
1.2 Proposed Redevelopment Plan	1
1.3 Description of Surrounding Property	2
1.4 Environmental Investigation Reports	2
1.5 Summary of Regulatory Correspondence.....	7
1.6 Findings of Environmental Investigation	7
2.0 DESCRIPTION OF REMEDIATION.....	9
2.1 Objectives	9
Soil.....	9
Groundwater	9
Soil Vapor.....	10
2.2 Summary of Remedial Action	10
2.3 Soil Cleanup Objectives and Soil/Fill Management.....	12
Estimated Soil/Fill Removal Quantities	12
End-Point Sampling.....	13
Quality Assurance/Quality Control	14
Import and Reuse of Soils.....	14
2.4 Engineering Controls	14
Composite Cover System	15
3.0 REMEDIAL ACTION MANAGEMENT	16

3.1	Project Organization and Oversight	16
3.2	Site Security.....	16
3.3	Work Hours	16
3.4	Construction Health and Safety Plan.....	16
3.5	Community Air Monitoring Plan	17
	VOC Monitoring, Response Levels, and Actions	18
	Particulate Monitoring, Response Levels, and Actions.....	19
3.6	Agency Approvals	20
3.7	Site Preparation.....	20
	Pre-Construction Meeting.....	20
	Mobilization.....	20
	Utility Marker Layouts, Easement Layouts.....	20
	Equipment and Material Staging	21
	Stabilized Construction Entrance	21
	Truck Inspection Station.....	21
3.8	Traffic Control	21
3.9	Demobilization	22
3.10	Reporting and Record Keeping	23
	Daily Reports	23
	Record Keeping and Photo-Documentation	23
3.11	Complaint Management	23
3.12	Deviations from the Remedial Action Plan.....	24
4.0	REMEDIAL CLOSURE REPORT.....	25
5.0	SCHEDULE.....	27

FIGURES

- Figure 1 Site Location
- Figure 2 Site Layout
- Figure 3 Proposed End-Point Sampling Locations

APPENDICES

- Appendix 1 Soil/Materials Management Plan
- Appendix 2 Construction Health and Safety Plan

LIST OF ACRONYMS

Acronym	Definition
AST	Aboveground Storage Tank
CAMP	Community Air Monitoring Plan
C&D	Construction & Demolition
CFR	Code of Federal Regulations
CHASP	Construction Health and Safety Plan
EAS	Environmental Assessment Statement
EIS	Environmental Impact Statement
ESA	Environmental Site Assessment
EC/IC	Engineering Control and Institutional Control
ELAP	Environmental Laboratory Accreditation Program
FDNY	New York City Fire Department
GPR	Ground Penetrating Radar
HASP	Health and Safety Plan
HAZWOPER	Hazardous Waste Operations Emergency Response
Notice - NOS	Notice Of Satisfaction
Notice - FNOS	Final Notice of Satisfaction
NYC DEP	New York City Department of Environmental Protection
NYC DOB	New York City Department of Buildings
NYC DOF	New York City Department of Finance
NYC HPD	New York City Housing Preservation and Development
NYCRR	New York Codes Rules and Regulations
NYC OER	New York City Office of Environmental Remediation
NYS DEC	New York State Department of Environmental Conservation
NYS DEC PBS	New York State Department of Environmental Conservation Petroleum Bulk Storage
NYS DOH	New York State Department of Health
OSHA	United States Occupational Health and Safety Administration
PCBs	Polychlorinated Biphenyls
PE	Professional Engineer
PID	Photo Ionization Detector

PM	Particulate Matter
QEP	Qualified Environmental Professional
RA	Register Architect
RAP	Remedial Action Plan
RCA	Recycled Concrete Aggregate
RCR	Remedial Closure Report
RD	Restrictive Declaration
RI	Remedial Investigation
SCOs	Soil Cleanup Objectives
SCG	Standards, Criteria and Guidance
SMP	Site Management Plan
SSDS	Sub-Slab Depressurization System
SVOCs	Semi-Volatile Organic Compounds
UST	Underground Storage Tank
TAL	Target Analyte List
TCL	Target Compound List
VB	Vapor Barrier
VOCs	Volatile Organic Compounds

CERTIFICATION

I, [REDACTED], am a Professional Engineer licensed in the State of New York. I have primary direct responsibility for implementation of the remedial action for the site known as 149 E. 149th St. Bronx, New York, New Your City Office of Environmental Remediation Site No. 19TMP1170X.

I, [REDACTED], am a Qualified Environmental Professional as defined in §43-140. I have primary direct responsibility for implementation of the remedial action for the site known as 149 E. 149th St. Bronx, New York, New Your City Office of Environmental Remediation Site No. 19TMP1170X.

I certify that this Remedial Action Plan (RAP) has a plan for handling, transport and disposal of soil, fill, fluids and other materials removed from the property in accordance with applicable City, State and Federal laws and regulations. Importation of all soil, fill and other material from off-Site will be in accordance with all applicable City, State and Federal laws and requirements. This RAP has provisions to control nuisances during the remediation and all invasive work, including dust and odor suppression.

Name

NYS PE License Number

Signature

Date

PE Stamp

QEP Name

QEP Signature

Date

EXECUTIVE SUMMARY

Eastern Environmental Solutions, Inc. (EES) has prepared this Remedial Action Plan (RAP) to remediate a 4,105-square-foot property located at 100 East 149th St., Bronx, New York (the Site). A Remedial Investigation (RI) was performed to compile and evaluate data and information necessary to develop this RAP. The remedial action described in this document achieves the remedial objectives, complies with applicable environmental standards, criteria and guidance and conforms with applicable laws and regulations.

Site Location and Current Usage

The Site is identified as Block 2351 and Lot 35 on the New York City Tax Map. Figure 1 shows the Site location and surrounding properties. The Site is located on the southeast corner of the intersection of East 149th Street and Exterior Street. East 149th Street is located adjacent and north of the Site. A car wash and BP gas station are present along the north side of East 149th Street, to the north of the Site. Exterior Street is located adjacent and west of the Site, and adjacent to the Site to the south and east are newly-constructed buildings that are to be used for both residential and commercial office purposes. Currently, the Site is vacant and unoccupied.

Summary of Past Uses of Site and Areas of Concern

The Site was occupied by a gas station during the years from approximately 1935 to 1989. The Sanborn Maps for the years 1935 to 1946 indicate there are or were six 550-gallon underground storage tanks (USTs) on the property. Until recently, the Site was occupied by a tire business known as Coco Tire Center Corp.

Based on previous Site investigations, it has been determined that the Site has been impacted, primarily by petroleum constituents. The impacts include the apparent presence of USTs, the contamination of soil throughout most of the Site, the presence of contamination in the groundwater beneath the Site, and the presence of soil vapor in the vadose zone.

Summary of Proposed Redevelopment Plan

It is anticipated that the Site will be redeveloped for commercial/residential use, however, no current redevelopment plans have been prepared. The current zoning designation is M1-4/R8A (light commercial use and residential apartments, typically 10 to 12 stories high).

Prior to redevelopment, remediation of the Site is proposed in this RAP to address the impacted soil/fill, groundwater, and potential soil vapor.

The proposed remediation of the Site includes excavation of soil/fill throughout the entire property and off-Site disposal of contaminated soil. The excavation will occur to a maximum depth of approximately 14 feet (the depth at which the water table occurs). Upon completion of the excavation, a pump truck and hose will be used to remove a minimum of 2,000 gallons of contaminated groundwater at the base of the excavation. Prior to excavation, the area of apparent USTs will be addressed and the USTs and their contents will be removed and properly disposed.

REMEDIAL ACTION PLAN

1.0 SITE BACKGROUND

Transmeta, LLC has enrolled in the New York City Voluntary Cleanup Program (NYC VCP) to investigate and remediate a 0.09-acre (4,105 square feet) property located at 100 East 149th Street in the South Bronx section of the Bronx, New York. This RAP and Site-specific Construction Health and Safety Plan (CHASP) have been developed for the Site. This project has been assigned New York City Office of Environmental Remediation (OER) project No. 19TMP1170X. This RAP describes the remediation and/or mitigation activities to be implemented at the Site in coordination with the OER. The Site-specific CHASP addresses Site-specific potential hazards, identified contaminants of concern, and safety requirements associated with remediation and mitigation activities in accordance with ASTM and OSHA guidelines.

1.1 Site Location and Current Usage

The Site is located at 100 East 149th Street in the South Bronx section of the Bronx, New York and is identified as Block 2351 and Lot 35 on the New York City Tax Map. Figure 1 shows the Site location and surrounding properties. The Site is 4,105 square feet in area and is located on the southeast corner of the intersection of East 149th Street and Exterior Street. Currently, the Site is unoccupied and vacant.

The adjacent property to the east at 110 149th St., was assigned NYSDEC Spill No. 1407530. The spill number was assigned in October, 2014 and is described as a petroleum release that impacted the soil. No other information is provided on the New York State Department of Environmental Conservation (NYSDEC) Spills Database.

1.2 Redevelopment Plan

The proposed future use of the Site has not been determined to date, however, the future use is expected to be for commercial/residential use. There are no redevelopment plans at the present time.

The current zoning designation is M1-4/R8A (light commercial use and residential apartments, typically 10 to 12 stories high). It is expected that the redevelopment will entail the entire Site.

1.3 Description of Surrounding Property

East 149th Street is located adjacent and north of the Site, Exterior Street is located adjacent and west of the Site, and adjacent to the Site to the south and east are newly-constructed and nearly completed buildings that are expected to be used for both residential and commercial office purposes. The Harlem River (which is a tidally-influenced estuary that flows generally from north to south from the Hudson River to the East River) is located approximately 630 feet to the west of the Site. This adjacent property to the east (at 110 East 149th St., Bronx, New York) is currently enrolled in the NYC VCP for environmental investigation and remediation. The properties to the north, across East 149th Street, are occupied by a Car Wash and a BP Gasoline Station (99-113 East 149th Street). According to historical records, a gas station has occupied the BP property since approximately 1935.

The nearest school to the Site is Hostos Community College, which is located approximately 250 feet to the east of the Site on the south side of East 149th St. The nearest hospital, Lincoln Medical Center, is located approximately 1,500 feet to the east of the Site on the south side of East 149th St. The nearest daycare center to the Site is located at another Hostos Community College facility located at 475 Grand Concourse, approximately 900 feet to the east of the Site.

1.4 Environmental Investigation Reports

The following environmental work plans and reports were developed for the Site:

- “Phase I Environmental Site Assessment (ESA), 100 East 149th St., Bronx, New York” (April, 2017) by Merritt Environmental Consulting Corp. (MECC).
- “Focused Subsurface Site Investigation, 100 East 149th St., Bronx, New York” (May, 2017) by MECC.

- “Phase II Subsurface Environmental Site Assessment, 100 East 149th St., Bronx, New York” prepared by prepared by Eastern Environmental Solutions, Inc. (January 11, 2019).
- “Remedial Investigation Report (RIR), 100 East 149th St., Bronx, New York” (October, 2019) by Eastern Environmental Solutions, Inc.

The following work has been performed at the Site:

MECC Phase I ESA and Focused Subsurface Site Investigation

Based on the MECC Phase I Environmental Site Assessment for the Site that indicated that a gas station was present at the Site for several decades, a Focused Subsurface Site Investigation was completed by MECC (the MECC Phase I ESA and Focused Subsurface Site Investigation reports were provided in the RIR by EES).

The MECC investigation included four soil borings identified as B-1 through B-4. The MECC measurements indicate that the water table was encountered at a depth of 14 feet below grade. It was also reported that the subsurface consists of fill material to a depth of at least 20 feet. Bedrock was not encountered during the investigation.

Borings B-1 through B-3 (at the northwest portion of the Site) encountered refusal at depths ranging from 7 to 11 feet, and boring B-4 (near the center of the Site) was advanced to 20 feet below grade. Vadose zone soil samples were obtained from borings B-1, B-2, and B-4. The results showed no VOCs detected at B-1 (at 11 feet). At B-2 (at 7 feet) and B-4 (at 12 feet), minor concentrations of petroleum-related VOCs were detected. At Boring B-4, a temporary groundwater monitoring well was installed and sampled. The results showed no indications of the presence of floating petroleum product but did show the detection of several petroleum-related VOCs at concentrations above the New York State Class GA Groundwater Quality Standards (GQS) [including a total BTEX concentration of 4,860 micrograms per liter (ug/l)]. No Chlorinated VOCs (CVOCs) were detected in the soil or groundwater.

EES prepared a Phase II ESA and an RIR for the Site. The Site investigation included soil, soil vapor, and groundwater sampling. The following summarizes the findings of the RIR:

- The elevation of the Site is approximately 20 feet above mean sea level and is generally level.
- The depth to groundwater may range from approximately 10 to 14 feet at the Site.
- Groundwater flow beneath the Site is reported to be generally east to west.
- The geology of the Site consists of soil/fill material to a depth of at least 20 feet below grade. The material was generally described as concrete, brick, and asphalt in a matrix of silty sand. No borings at the Site were performed to depths greater than 20 feet.
- Soil/fill samples collected during the RI were compared to the New York State Department of Environmental Conservation (NYSDEC) 6NYCRR Part 375 Section 6.8 Unrestricted Use and Restricted Residential Use Soil Cleanup Objectives (SCOs).
- Volatile organic compounds (VOCs) including 1,2,4-trimethylbenzene (maximum concentration of 5.10 mg/kg), 1,2-dichlorobenzene (maximum concentration of 1.20 mg/kg), 1,4-dichlorobenzene (maximum concentration of 2.50 mg/kg), benzene (maximum concentration of 1.20 mg/kg), chlorobenzene (maximum concentration of 5.50 mg/kg), ethylbenzene (maximum concentration of 6.80 mg/kg), n-propylbenzene (maximum concentration of 9.70 mg/kg), and xylenes (total) (maximum concentration of 4.90 mg/kg) were detected above their respective Unrestricted Use SCOs.
- Semi-volatile organic compounds (SVOCs) including benzo(a)anthracene (maximum concentration of 4.59 mg/kg), benzo(a)pyrene (maximum concentration of 8.57 mg/kg), benzo(b)fluoranthene (maximum concentration of 5.23 mg/kg), benzo(k)fluoranthene (maximum concentration of 4.27 mg/kg), chrysene (maximum concentration of 4.040 mg/kg), dibenzo(a,h)anthracene (maximum concentration of 1.50 mg/kg), indeno(1,2,3-cd)pyrene (maximum concentration of 7.57 mg/kg), and

naphthalene (at 26.30 mg/kg) were detected above their respective Unrestricted Use SCOs. Of these SVOCs, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene and indeno(1,2,3-cd)pyrene were detected above their respective Restricted Residential Use SCOs.

- One pesticide, 4,4'-DDD (at 0.00891 mg/kg), was detected above its Unrestricted Use SCO.
- Total PCBs (at 8.46 mg/kg) were detected above Restricted Residential Use SCOs.
- Metals including arsenic (at 35.80 mg/kg), barium (at 1,110 mg/kg), cadmium (at 16.5 mg/kg), copper (maximum concentration of 267 mg/kg), lead (maximum concentration of 10,700 mg/kg), mercury (maximum concentration of 2.25 mg/kg), nickel (at 62.50 mg/kg), selenium (at 5.24 mg/kg), and zinc (maximum concentration of 2,090 mg/kg) were detected above their respective Unrestricted Use SCOs. Of these metals, arsenic, barium, cadmium, lead, and mercury were detected above their respective Restricted Residential Use SCOs.

Groundwater samples collected during the RI were compared to the New York State 6NYCRR Part 703.5 Class GA groundwater quality standards (GQS):

- No pesticides or PCBs were detected above their GQS.
- VOCs including 1,2,4-trimethylbenzene (maximum concentration of 150 µg/L), 1,3,5-trimethylbenzene (maximum concentration of 54 µg/L), acetone (at 55 µg/L), benzene (maximum concentration of 86 µg/L), chloroform (at 14 µg/L), ethylbenzene (maximum concentration of 61 µg/L), isopropylbenzene (maximum concentration of 92 µg/L), n-butylbenzene (maximum concentration of 43 µg/L), n-propylbenzene (maximum concentration of 290 µg/L), o-xylene (maximum concentration of 12 µg/L), p- & m-xylenes (maximum concentration of 84 µg/L), p-isopropyltoluene (maximum concentration of 8.800 mg/kg), sec-butylbenzene (maximum concentration of 38 µg/L), toluene (maximum concentration of 18

µg/L), and xylenes (total) (maximum concentration of 89 µg/L) were detected above their GQS.

- SVOCs including benzo(a)anthracene (at 3.250 µg/L), benzo(a)pyrene (at 4.390 µg/L), benzo(b)fluoranthene (at 4.230 µg/L), benzo(k)fluoranthene (at 3.330 µg/L), chrysene (at 3.200 µg/L), indeno(1,2,3-cd)pyrene (at 3.440 µg/L), and naphthalene (maximum concentration of 114 µg/L) were detected above their GQS.
- Unfiltered samples for metals showed that arsenic (at 64 µg/L), barium (at 1,260 µg/L), cadmium (at 18 µg/L), chromium (maximum concentration of 352 µg/L), copper (at 860 µg/L), lead (maximum concentration of 2,190 µg/L), magnesium (at 59,600 µg/L), manganese (maximum concentration of 4,440 µg/L), nickel (at 148 µg/L), sodium (maximum concentration of 53,300 µg/L), and zinc (maximum concentration of 4,510 µg/L) were detected above their GQS.
- Per- and Polyfluoroalkyl Substances (PFASs) were analyzed and 7 PFASs were detected. NYSDEC uses the US Environmental Protection Agency Lifetime Health Advisory of 70 nanograms per liter (ng/l) which applies only to the PFASs perfluorooctanoic acid (PFOA) and perfluorooctanesulfonic acid (PFOS). PFOA and PFOS were detected in the groundwater at concentrations below the Lifetime Health Advisory Level. At present, there are no state or federal standards, guidelines, or health advisories for the five other detected PFASs.

Soil vapor samples were collected during the RI:

- Soil vapor sampling results indicated low levels of petroleum-related VOCs.
- The total concentration of petroleum-related VOCs (BTEX) ranged from 7.2 µg/m³ to 105.7 µg/m³.
- Chlorinated VOCs (CVOCs) including 1,1,1-trichloroethane, carbon tetrachloride, methylene chloride, tetrachloroethylene, trichloroethylene, and vinyl chloride were not detected in any of the soil vapor samples.

A geophysical survey was performed throughout the Site and the apparent presence and locations of underground storage tanks (USTs) was ascertained (see Figure 2 for the site layout and locations of the apparent USTs). These apparent USTs are likely to be associated with the Site's former use as a gas station.

1.5 Summary of Regulatory Correspondence

Pertinent regulatory correspondence related to the Site have previously been submitted to the OER. The documents are as follows:

- “Phase I Environmental Site Assessment, 100 East 149th St., Bronx, New York” prepared by Merritt Environmental Consulting Corporation (April, 2017) and prepared for Transmeta, LLC.
- “Focused Subsurface Site Investigation, 100 East 149th St., Bronx, New York” prepared by Merritt Environmental Consulting Corporation (May, 2017) and prepared for Transmeta, LLC.
- “Phase II Subsurface Environmental Site Assessment, 100 East 149th St., Bronx, New York” prepared by prepared by Eastern Environmental Solutions, Inc. for Mr. Tony Boemi of Transmeta, LLC (January 11, 2019).
- “Remedial Investigation Report, 100 East 149th St., Bronx, New York” prepared by EES (October, 2019) for OER.

1.6 Findings of Environmental Investigation

Based on the results of the Phase II Investigation, it was determined that the Site has been impacted, primarily by petroleum. The areas of concern (AOCs) identified for the Site include the area of apparent USTs identified in the central-southern portion of the Site. In addition, the soil throughout the Site also represents an AOC since many areas show the presence of contaminants and soil vapor is being generated. Finally, the groundwater contains petroleum constituents at

concentrations above the GQS and therefore, the groundwater also represents an AOC. Additional information is as follows:

1. The Site is generally flat and the elevation is approximately 20 feet above mean sea level.
2. Depth to groundwater ranges from approximately 10 to 14 feet below grade.
3. Groundwater flow is reported to be generally from east to west beneath the Site.
4. Bedrock was not encountered during any of the investigations at the Site.
5. Based on borings performed at the Site, the stratigraphy consists of fill material down to a depth of at least 20 feet.

For detailed environmental investigation data, consult the reports listed in Section 1.5.

2.0 DESCRIPTION OF REMEDIATION

2.1 Objectives

The remediation objectives are to sample the four existing groundwater monitoring wells to determine current concentrations of groundwater contamination, confirm the depth to groundwater, excavate and remove the apparent USTs, excavate the vadose zone soil from the entire Site to a maximum depth of approximately 14 feet below grade (the approximate depth where the water table occurs), pump off a minimum of 2,000 gallons of groundwater from the base of the excavation, dispose of the contaminated soil, and backfill the Site to grade.

The purpose of the remediation is to achieve the following:

Soil

- Prevent direct contact with contaminated soil.
- Prevent exposure to contaminants volatilizing from contaminated soil.
- Prevent migration of contaminants that would result in groundwater or surface water contamination.

Groundwater

- Remove contaminant sources causing impacts to groundwater.
- Monitor groundwater improvement in response to contaminant source removal.
- Pump off up a minimum of 2,000 gallons of contaminated groundwater from the groundwater exposed at the base of the excavation to reduce groundwater contamination levels.
- Prevent exposure to contaminants volatilizing from contaminated groundwater.

Soil Vapor

- Prevent exposure to contaminants in soil vapor.
- Prevent migration of soil vapor into any Site buildings that may be constructed as well as prevent migration of vapors to off-Site structures.

Remedial and mitigation measures described herein will be performed in accordance with applicable laws and regulations, and the Site-specific CHASP. This remedy is protective of public health and/or the environment for the intended use.

2.2 Summary of Remedial Action

The proposed plan achieves all remedial action goals established for the project. The proposed remedial action is effective in both the short-term and long-term and reduces mobility, toxicity and volume of contaminants and uses standard methods that are well established in the industry.

The proposed remedial action will consist of:

1. Perform a Community Air Monitoring Program (CAMP) for particulates and volatile organic compounds.
2. Obtain groundwater samples from existing monitoring wells MW-1, MW-2, MW-3, and MW-4 to determine current concentrations of groundwater contaminants. The samples will be analyzed for VOCs, SVOCs, and filtered and unfiltered analyses for metals. In addition, measurements will be obtained to determine the Site-specific groundwater flow direction.
3. Excavation Site mobilization including inspection of the chain-link fencing (which currently exists at the Site) at the Site perimeter to limit access, evaluate Site security matters, equipment mobilization, utility markouts, and marking of property lines.
4. Excavate the area of apparent USTs and remove any USTs and product present in accordance with applicable local, state, and federal laws and regulations.

5. The Site will then be excavated, starting at the south end of the Site. It is expected that the soil at the Site (which has been described as fill material including bricks, concrete, and asphalt in a matrix of silty sand) is Type B. As per OSHA 1926, Type B allowable slopes are up to 1:1 (45 degrees). As excavation commences, the Site soil will be field tested at several locations for cohesion and a penetrometer will be used to assure that the compressive strength of the soil exceeds 0.5 tons per square foot. If the Site soil tests indicate that the soil is Type C (if the compressive strength is less than 0.5 tons per square foot), the slope angle will be reduced to 1.5:1 (34 degrees).
6. Excavated soil from the south side of the Site will be stockpiled on the asphalt on the north side of the Site and will then be loaded in dump trucks for off-Site disposal. As the excavation proceeds north and the area for stockpiling soil diminishes, the excavated soil will be loaded into the dump trucks directly. During the last stages of the excavation, the dump trucks will be positioned on the sidewalk adjacent and north of the Site (the sidewalk in this area is at least 20 feet wide).
7. The excavation will be performed throughout the Site. Prior to commencing backfilling, post-excavation end samples (see Figure 3 for the locations of proposed end-point samples) will be obtained from the material just above the water table as well as the sidewall slopes.
8. Following the end-sampling, clean backfill will be placed in the excavated area and compacted throughout the Site. A cover layer of 6 to 12 inches of recycled concrete aggregate will be placed above the clean soil layer.
9. Soil Cleanup Objectives (SCOs) for contaminants of concern will be established as Restricted Residential since the future use of the Site is anticipated to be for residential and commercial office use.
10. At the completion of the remediation, a Remedial Closure Report (RCR) that describes the remedial activities, certifies that the remedial requirements have been achieved, and

describes all Engineering and Institutional Controls to be implemented at the Site, and lists any changes from this RAP.

11. Following the redevelopment of the Site, a soil vapor intrusion investigation will be performed. Prior to performing the sampling, a soil vapor intrusion investigation work plan will be prepared and submitted to OER for approval. The investigation will be used to determine if a sub-slab depressurization system will be required.
12. Following the completion of the Site excavation and backfilling, a groundwater monitoring work plan will be prepared and submitted to OER for approval. The purpose of the work plan will be to install a groundwater monitoring well network for periodic sampling (the existing groundwater monitoring wells will be removed during the Site excavation).

2.3 Soil Cleanup Objectives and Soil/Fill Management

The SCOs for this Site based on the expected future use of the Site is Restricted Residential. Soil and materials management on-Site and off-Site, including excavation, handling and disposal, will be conducted in accordance with the Soil/Materials Management Plan in Appendix 1.

Estimated Soil/Fill Removal Quantities

The total quantity of soil/fill expected to be excavated and disposed is estimated to be 2,100 cubic yards (including an excavation expansion factor of 20 percent)/3,150 tons. The proposed disposal location for Site-derived impacted materials are listed below. Additional disposal locations established at a later date will be reported promptly to the OER Project Manager.

Disposal Facility	Waste Type	Estimated Quantities
Carteret/Clean Earth 24 Middlesex Ave. Carteret, NJ	Petroleum-contaminated soil/fill	3,150 tons
Clean Water 3249 Richmond Terrace Staten Island, NY 10303	Petroleum-contaminated groundwater	Minimum of 2,000 gallons

End-Point Sampling

Removal actions under this plan will be performed in conjunction with remedial end-point sampling. End-point sampling will be performed at the base of the excavation and on the sidewall slopes.

The end sampling will include 25 samples (EP-1 through EP-25). The samples will be obtained with a backhoe extending its bucket and obtaining a sample from the designated location. The samples will be placed in sealed laboratory-supplied containers and placed in a cooler with ice for transport to the laboratory. The end samples for each portion of the Site will be obtained on the same day that the excavation occurs.

New York State Department of Health ELAP certified laboratories (York Analytical Laboratories) will be used for all end-point sample analyses.

The post-remediation samples will be analyzed for the following parameters and analytical methods:

- Volatile organic compounds by EPA Method 8260
- Semi-volatile organic compounds by EPA Method 8270
- Pesticides/PCBs by EPA Method 8081/8082
- Target Analyte List metals

Quality Assurance/Quality Control

For the end sampling, a trip blank will accompany the samples in the cooler that is transported to the laboratory. If more than one cooler is required for the samples, one trip blank will be present in each cooler. In addition, for the end-point samples, one duplicate sample will be prepared from a selected end sample. The duplicate samples will be labeled such that the analytical laboratory cannot ascertain which sample is a duplicate.

Import and Reuse of Soils

Import of soils onto the property will be performed in conformance with the Soil/Materials Management Plan in Appendix 1. The estimated quantity of soil to be imported to the Site for backfill and cover soil is estimated be approximately 2,100 cubic yards. No excavated Site soil will be re-used as backfill. Also, the imported clean sand will be used as both backfill and cover material.

2.4 Engineering Controls

Engineering Controls will be employed in the remedial action to address residual contamination remaining at the site. The Site has the following primary Engineering Control (EC) Systems. These are:

- Chain-link fencing and locked gates are present at the perimeter of the Site to limit access to the Site during the period of remediation and during any future construction related to the redevelopment of the Site.
- Groundwater is present at a depth of approximately 14 feet below grade. No on-Site groundwater supply wells are present at the Site and any redevelopment of the Site will require connection to the New York City municipal water supply system. Therefore, contact with the groundwater following the remediation is unlikely.
- A vapor barrier will be installed as part of any building construction during the Site redevelopment. The plans for any vapor barrier system will be submitted to OER for

approval prior to installation. The vapor barrier will be installed to address the issue of soil vapor intrusion.

- Following completion of the redevelopment of the Site, a soil vapor intrusion investigation will be performed to determine if a sub-slab depressurization system is required for the building constructed on the Site. A sampling work plan will be submitted to OER for approval prior to performing any soil vapor sampling.

Composite Cover System

Casual exposure to residual soil/fill will be prevented by backfilling the Site with clean sand. The backfill sand will be a minimum of two feet thick in the perimeter area of the Site, and approximately 14 feet thick in the central portion of the Site. The backfill sand cover will remain in place until it is excavated during the redevelopment of the Site.

The cover material will consist of a 6 to 12-inch layer of RCA.

3.0 REMEDIAL ACTION MANAGEMENT

3.1 Project Organization and Oversight

Principal personnel who will participate in the remedial action include Mr. James Mulvey and Mr. Michael P. Flynn. The Professional Engineer (PE) and Qualified Environmental Professionals (QEP) for this project are Dr. Ravi Korlipara, P.E. and the QEP will be Mr. James Mulvey.

3.2 Site Security

Site access will be controlled by a six-foot chain-link fence that extends around the perimeter of the entire property. The gates of the fence will be locked when not in use during the Site activities.

3.3 Work Hours

The hours of operation for remedial construction will be during daylight hours (one-half hour after sunrise, and one-half hour prior to sunset) that will be generally 7 am to 5 pm during the winter months. These hours conform to the New York City Department of Buildings construction code requirements.

3.4 Construction Health and Safety Plan

The Site-specific Construction Health and Safety Plan (CHASP) is provided in Appendix 2. The Site Safety Coordinator will be Mr. James Mulvey. Remedial work performed under this RAP will be in full compliance with applicable health and safety laws and regulations, including Site and OSHA worker safety requirements and HAZWOPER requirements. Confined space entry, if any, will comply with OSHA requirements and industry standards and will address potential risks. The parties performing the remedial construction work will ensure that performance of work

is in compliance with the CHASP and applicable laws and regulations. The CHASP pertains to remedial and invasive work performed at the Site until the issuance of the Notice of Satisfaction.

All field personnel involved in remedial activities will participate in training required under 29 CFR 1910.120, including 40-hour hazardous waste operator training and annual 8-hour refresher training as well as 30-hour Construction Safety Training as per 29 CFR 1926. The Site Safety Officer will be responsible for maintaining worker training records.

Personnel entering any exclusion zone will be trained in the provisions of the CHASP and be required to sign an CHASP acknowledgment. Site-specific training will be provided to field personnel. Additional safety training may be added depending on the tasks performed. Emergency telephone numbers will be posted at the Site location before any remedial work begins. A safety meeting will be conducted before each shift begins. Topics to be discussed include task hazards and protective measures (physical, chemical, environmental); emergency procedures; personal protective equipment (PPE) levels and other relevant safety topics. Meetings will be documented in a log book or specific form.

An emergency contact sheet with names and phone numbers is included in the CHASP. That document will define the specific project contacts for use in case of emergency.

3.5 Community Air Monitoring Plan

Real-time air monitoring for volatile organic compounds (VOCs) and particulate levels at the perimeter of the exclusion zone or work area will be performed. Monitoring will be performed for all ground intrusive activities and during the handling of contaminated or potentially contaminated media. Ground intrusive activities include, but are not limited to, soil/waste excavation and handling, test pit excavation or trenching, and backfilling.

Monitoring for VOCs will be performed during non-intrusive activities such as the collection of soil and sediment samples or the collection of groundwater samples from existing monitoring wells. Monitoring during sample collection, for instance, will consist of taking a reading upon arrival at a sample location, monitoring while opening a well cap or overturning soil, monitoring

during well baling/purging, and taking a reading prior to leaving a sample location. Depending upon the proximity of potentially exposed individuals, continuous monitoring may be performed during sampling activities. Examples of such situations include groundwater sampling at wells on the curb of a busy urban street, in the midst of a public park, or adjacent to a school or residence. Exceedances of action levels observed during performance of the Community Air Monitoring Plan (CAMP) will be reported to the OER Project Manager and included in the Daily Report.

VOC Monitoring, Response Levels, and Actions

Volatile organic compounds (VOCs) will be monitored at the downwind perimeter of the immediate work area (i.e., the exclusion zone) on a continuous basis during invasive work. Upwind concentrations will be measured at the start of each workday and periodically thereafter to establish background conditions. The monitoring work will be performed using equipment appropriate to measure the types of contaminants known or suspected to be present. The equipment will be calibrated at least daily for the contaminant(s) of concern or for an appropriate surrogate. The equipment will be capable of calculating 15-minute running average concentrations, which will be compared to the levels specified below.

- If the ambient air concentration of total organic vapors at the downwind perimeter of the work area or exclusion zone exceeds 5 parts per million (ppm) above background for the 15-minute average, work activities will be temporarily halted and monitoring continued. If the total organic vapor level readily decreases (per instantaneous readings) below 5 ppm over background, work activities will resume with continued monitoring.
- If total organic vapor levels at the downwind perimeter of the work area or exclusion zone persist at levels in excess of 5 ppm over background but less than 25 ppm, work activities will be halted, the source of vapors identified, corrective actions taken to abate emissions, and monitoring continued. After these steps, work activities will resume provided that the total organic vapor level 200 feet downwind of the exclusion zone or half the distance to the nearest potential receptor or residential/commercial structure, whichever is less--but in no case less than 20 feet, is below 5 ppm over background for the 15-minute average.

- If the organic vapor level is above 25 ppm at the perimeter of the work area, activities will be shutdown.

All 15-minute readings must be recorded and be available for OER personnel to review. Instantaneous readings, if any, used for decision purposes will also be recorded.

Particulate Monitoring, Response Levels, and Actions

Particulate concentrations will be monitored continuously at the upwind and downwind perimeters of the exclusion zone at temporary particulate monitoring stations. The particulate monitoring will be performed using real-time monitoring equipment capable of measuring particulate matter less than 10 micrometers in size (PM-10) and capable of integrating over a period of 15 minutes (or less) for comparison to the airborne particulate action level. The equipment will be equipped with an audible alarm to indicate exceedance of the action level. In addition, fugitive dust migration should be visually assessed during all work activities.

- If the downwind PM-10 particulate level is 100 micrograms per cubic meter (mcg/m^3) greater than background (upwind perimeter) for the 15-minute period or if airborne dust is observed leaving the work area, then dust suppression techniques will be employed. Work will continue with the implementation of dust suppression techniques provided that downwind PM-10 particulate levels do not exceed $150 \text{ mcg}/\text{m}^3$ above the upwind level and provided that no visible dust is migrating from the work area.
- If, after implementation of dust suppression techniques, downwind PM-10 particulate levels are greater than $150 \text{ mcg}/\text{m}^3$ above the upwind level, work will be stopped and a re-evaluation of activities initiated. Work will resume provided that dust suppression measures and other controls are successful in reducing the downwind PM-10 particulate concentration to within $150 \text{ mcg}/\text{m}^3$ of the upwind level and in preventing visible dust migration. All readings will be recorded and be available for OER personnel to review.

3.6 Agency Approvals

All permits or government approvals required for remediation and construction will be obtained prior to the start of remediation and construction. Acceptance of this RAP by OER does not constitute satisfaction of these requirements and will not be a substitute for any required permit.

3.7 Site Preparation

Pre-Construction Meeting

OER will be invited to attend the pre-construction meeting at the Site with all parties involved in the remedial process prior to the start of remedial construction activities.

Mobilization

Mobilization will be conducted as necessary for each phase of work at the Site. Mobilization includes field personnel orientation, equipment mobilization (including securing all sampling equipment needed for the field investigation), marking/staking sampling locations and utility mark-outs. Each field team member will attend an orientation meeting to become familiar with the general operation of the Site, health and safety requirements, and field procedures.

Utility Marker Layouts, Easement Layouts

The presence of utilities and easements on the Site will be fully investigated prior to the performance of invasive work such as excavation or drilling under this plan by using, at a minimum, the One-Call System (811). Underground utilities may pose an electrocution, explosion, or other hazard during excavation or drilling activities. All invasive activities will be performed in compliance with applicable laws and regulations to assure safety. Utility companies and other responsible authorities will be contacted to locate and mark the locations, and a copy of the Markout Ticket will be retained by the contractor prior to the start of drilling, excavation or other invasive subsurface operations. Overhead utilities may also be present within the anticipated work zones. Electrical hazards associated with drilling in the vicinity of overhead utilities will be prevented by maintaining a safe distance between overhead power lines and drill rig masts.

Proper safety and protective measures pertaining to utilities and easements, and compliance with all laws and regulations will be employed during invasive and other work contemplated under this RAP. The integrity and safety of on-Site and off-Site structures will be maintained during all invasive, excavation or other remedial activity performed under the RAP.

Equipment and Material Staging

Equipment and materials will be stored and staged in a manner that complies with applicable laws and regulations. The location of proposed equipment and material staging areas, truck inspection station, stockpile areas, and other pertinent remedial management features are described in this RAP.

Stabilized Construction Entrance

Steps will be taken to ensure that trucks departing the Site will not track soil, fill or debris off-Site. Such actions may include use of cleaned asphalt or concrete roads or use of stone or other aggregate-based egress paths between the truck inspection station and the property exit. Measures will be taken to ensure that adjacent roadways will be kept clean of project related soils, fill and debris.

Truck Inspection Station

An outbound-truck inspection station will be set up near the Site exit. Before exiting the Site, trucks will be required to stop at the truck inspection station and will be examined for evidence of contaminated soil on the undercarriage, body, and wheels. Soil and debris will be removed. Brooms, shovels and potable water will be utilized for the removal of soil from vehicles and equipment, as necessary.

3.8 Traffic Control

Drivers of trucks leaving the Site with soil/fill will be instructed to proceed without stopping in the vicinity of the Site to prevent neighborhood impacts. The planned route on local roads for trucks leaving the Site is to head east on East 149th St., then south on Grand Concourse, and then merge onto the Major Deegan Expressway (Interstate 87).

3.9 Demobilization

Demobilization will include:

- As necessary, restoration of temporary access areas and areas that may have been disturbed to accommodate support areas (e.g., staging areas, decontamination areas, storage areas, temporary water management areas, and access area);
- Removal of sediment from erosion control measures and truck wash and disposal of materials in accordance with applicable laws and regulations;
- Equipment decontamination, and;
- General refuse disposal.

Equipment will be decontaminated and demobilized at the completion of all field activities. Investigation equipment and large equipment (e.g., soil excavators) will be washed at the truck inspection station as necessary. In addition, all investigation and remediation derived waste will be appropriately disposed.

3.10 Reporting and Record Keeping

Daily Reports

Daily reports providing a general summary of activities for each day of *active remedial work* will be emailed to the OER Project Manager by the end of the following day. Those reports will include:

- Project number and statement of the activities and an update of progress made and locations of work performed;
- Quantities of material imported and exported from the Site;
- Status of on-Site soil/fill stockpiles;

- A summary of all citizen complaints, with relevant details (basis of complaint; actions taken; etc.);
- A summary of CAMP excursions, if any;
- Photographs of notable Site conditions and activities.

The frequency of the reporting period may be revised in consultation with the OER project manager based on planned project tasks. Daily email reports are not intended to be the primary mode of communication for notification to OER of emergencies (accidents, spills), requests for changes to the RAP or other sensitive or time critical information. However, such information will be included in the daily reports. Emergency conditions and changes to the RAP will be communicated directly to the OER project manager by personal communication. Daily reports will be included as an appendix in the RCR.

An alpha-numeric Site map will be used to identify locations described in reports submitted to OER.

Record Keeping and Photo-Documentation

Site record keeping for all remedial work will be performed. These records will be maintained on-Site during the project and will be available for inspection by OER staff. Representative photographs will be taken of the Site prior to any remedial activities and during major remedial activities to illustrate remedial program elements and contaminant source areas. Photographs will be submitted at the completion of the project in the RCR in digital format (i.e. jpeg files).

3.11 Complaint Management

All complaints from citizens will be promptly reported to OER. Complaints will be addressed and outcomes will also be reported to OER in daily reports. Notices to OER will include the nature of the complaint, the party providing the complaint, and the actions taken to resolve problems.

3.12 Deviations from the Remedial Action Plan

All changes to the RAP will be reported to the OER Project Manager and will be documented in daily reports and reported in the RCR. The process to be followed if there are any deviations from the RAP will include a request for approval for the change from OER noting the following:

- Reasons for deviating from the approved RAP;
- Effect of the deviations on overall remedy; and
- Determination that the remedial action with the deviation(s) is protective of public health and the environment.

4.0 REMEDIAL CLOSURE REPORT

A Remedial Closure Report (RCR) will be submitted to OER following implementation of the remedial action defined in this RAP. The RCR will document that the remedial work required under this RAP has been completed and has been performed in compliance with this plan. The RCR will include:

- Information required by this RAP;
- As-built drawings for all constructed remedial elements, required certifications, manifests and other written and photographic documentation of remedial work performed under this remedy;
- Site Management Plan;
- Description of any changes in the remedial action from the elements provided in this RAP and associated design documents;
- Tabular summary of all end-point sampling results and all material characterization results, QA/QC results for end-point sampling, and other sampling and chemical analysis performed as part of the remedial action;
- Test results or other evidence demonstrating that remedial systems are functioning properly;
- Account of the source area locations and characteristics of all contaminated material removed from the Site including a map showing source areas;
- Account of the disposal destination of all contaminated material removed from the Site. Documentation associated with disposal of all material will include transportation and disposal records, and letters approving receipt of the material.

- Account of the origin and required chemical quality testing for backfill material imported onto the Site.
- Reports and supporting material will be submitted in digital form.

Remedial Closure Report Certification

The following certification will appear in front of the Executive Summary of the Remedial Closure Report. The certification will include the following statements:

I, [redacted], am currently a professional engineer licensed by the State of New York. I had primary direct responsibility for implementation of the remedial program for the Site name Site Site number.

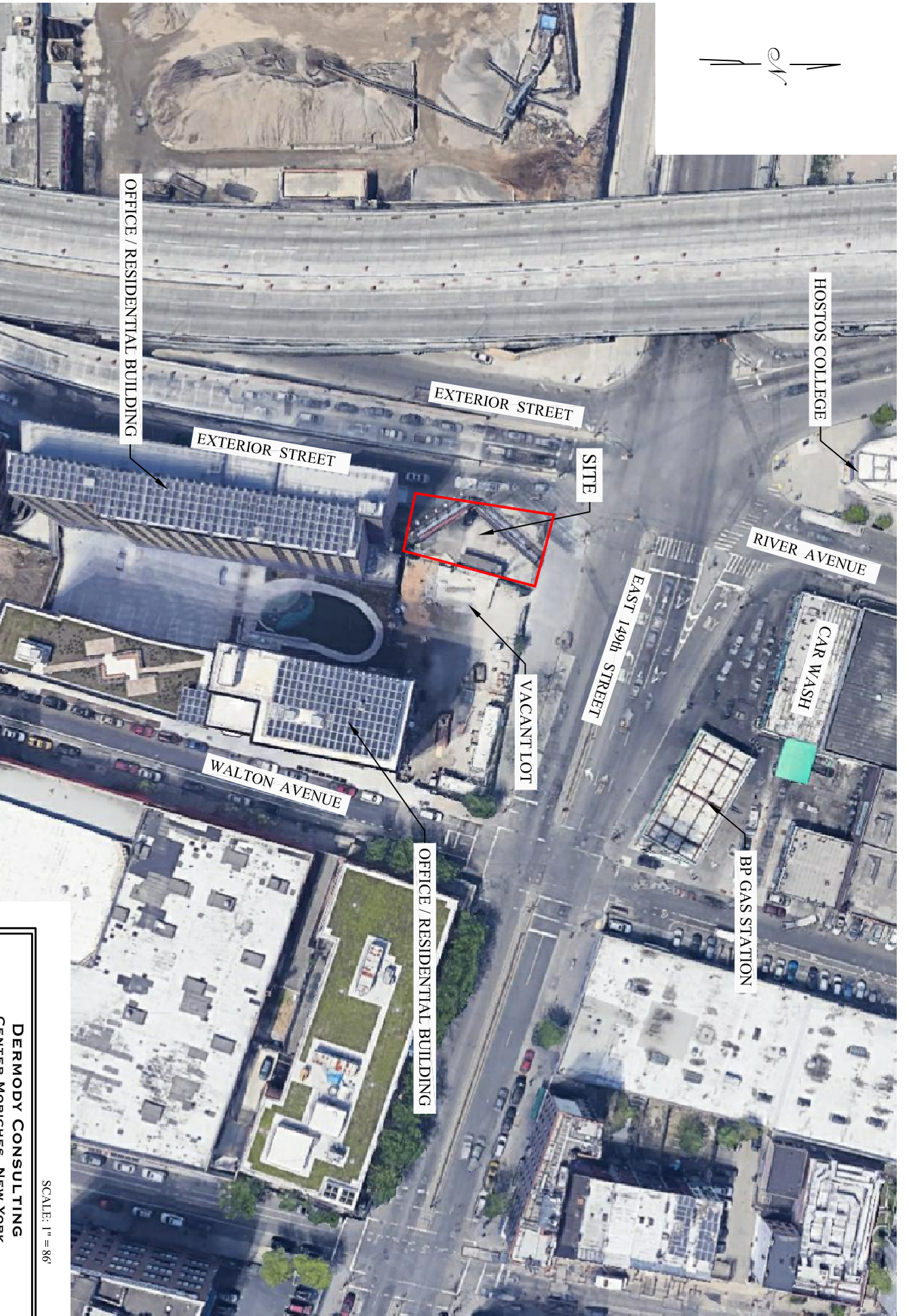
I, [redacted], am a qualified Environmental Professional. I had primary direct responsibility for implementation remedial program for the Site name Site Site number. (Optional)

I certify that the OER-approved Remedial Action Plan dated month day year and Stipulations in a letter dated month day, year; if any were implemented and that all requirements in those documents have been substantively complied with. I certify that contaminated soil, fill, liquids or other material from the property were taken to facilities licensed to accept this material in full compliance with applicable laws and regulations.

5.0 SCHEDULE

The table below presents a schedule for the proposed remedial action and reporting. If the schedule for remediation and development activities changes, it will be updated and submitted to OER. Currently, a 4-month remediation period is anticipated.

Schedule Milestone	Weeks from Remedial Action Start	Duration (weeks)
OER Approval of RAP	0	-
Mobilization	4	4
Remedial Construction	4	8
Demobilization	1	9
Submit Remedial Closure Report	7	16

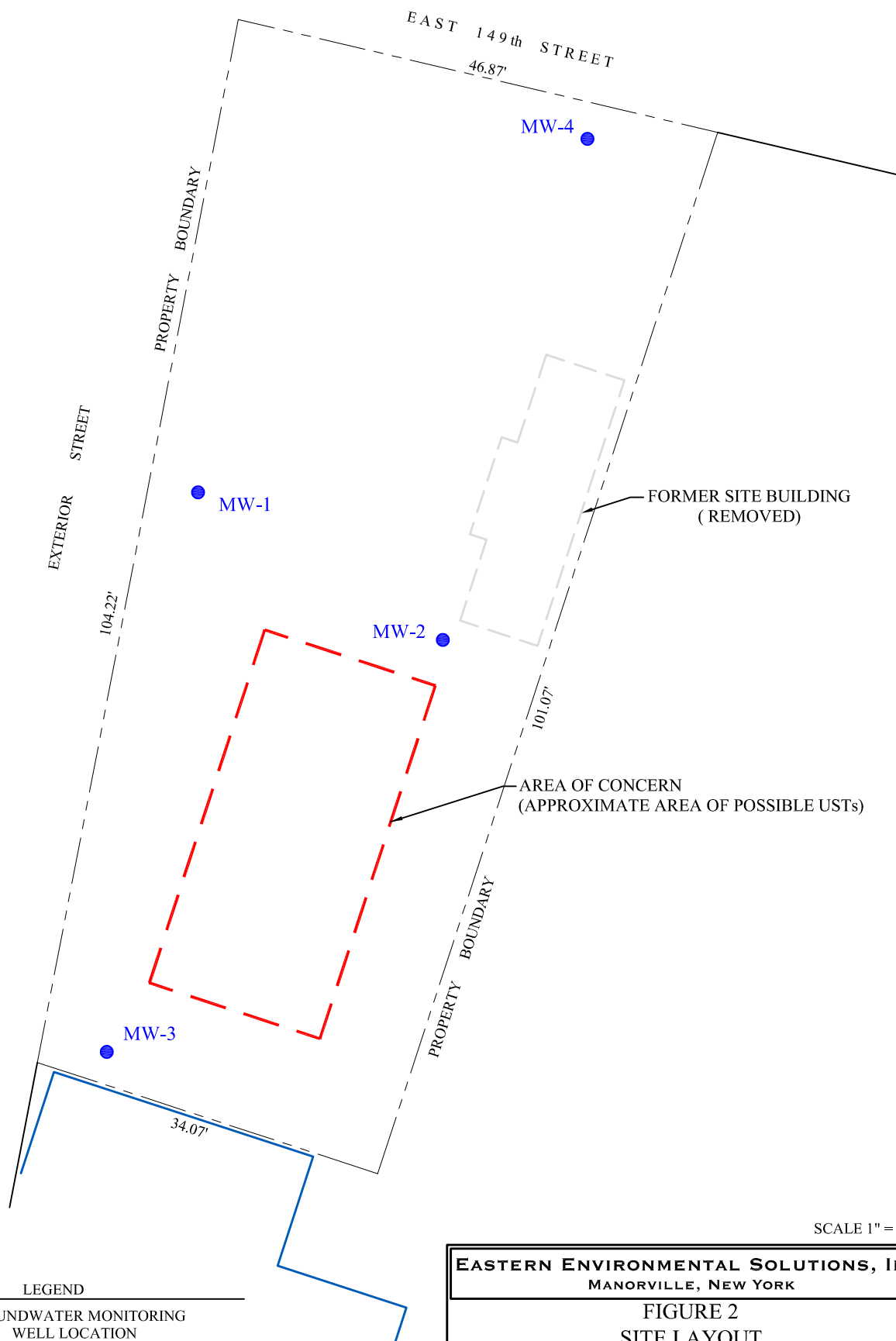


SCALE: 1" = 86'

DERMODDY CONSULTING
CENTER MORCHES, NEW YORK

FIGURE 1

SITE LOCATION
100 EAST 149th STREET
BRONX, NEW YORK



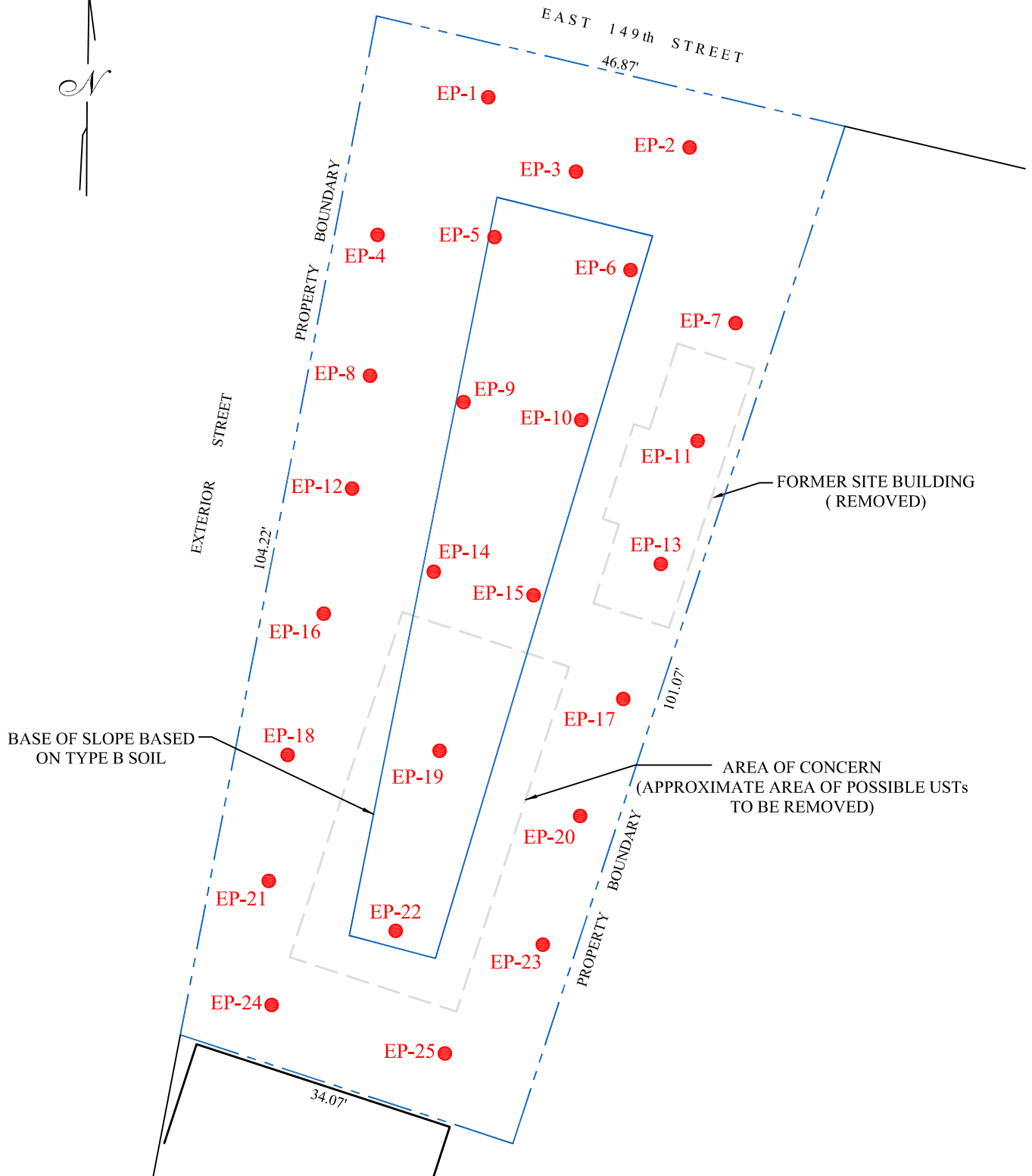
SCALE 1" = 14'

EASTERN ENVIRONMENTAL SOLUTIONS, INC.
MANORVILLE, NEW YORK

FIGURE 2
SITE LAYOUT
100 E. 149th STREET
BRONX, NEW YORK

LEGEND

● MW-1 GROUNDWATER MONITORING
WELL LOCATION



SCALE 1" = 14'

EASTERN ENVIRONMENTAL SOLUTIONS, INC.
MANORVILLE, NEW YORK

FIGURE 3
PROPOSED END-POINT SAMPLING LOCATIONS
100 E. 149th STREET
BRONX, NEW YORK

LEGEND

● EP-1 PROPOSED END-POINT SAMPLING LOCATION

Appendix 1

SOIL/MATERIALS MANAGEMENT PLAN

Table of Contents

1.1	Soil Screening Methods.....	3
1.2	Stockpile Methods	3
1.3	Characterization of Excavated Materials.....	3
1.4	Materials Excavation, Load-Out and Departure.....	3
1.5	Off-Site Materials Transport	4
1.6	Materials Disposal Off-Site	5
1.7	Materials Reuse On-Site	6
1.8	Demarcation.....	6
1.9	Import of Backfill Soil from Off-Site Sources	6
	Source Screening and Testing	7
1.10	Fluids Management	8
1.11	Storm-water Pollution Prevention	8
1.12	Contingency Plan.....	9
1.13	Odor, Dust and Nuisance Control.....	9
1.14	Import of Clean Cover.....	11

1.1 Soil Screening Methods

Visual, olfactory and PID soil screening and assessment will be performed under the supervision of a Qualified Environmental Professional and will be reported in the Remedial Closure Report (RCR). Soil screening will be performed during invasive work performed during the remedy and development phases prior to issuance of the Notice of Satisfaction.

1.2 Stockpile Methods

Excavated soil will be stockpiled and is expected to be removed from the Site within 48 hours. While stockpiles are in place, they will be inspected daily, and before and after every storm event. Results of inspections will be recorded in a logbook and maintained at the Site and available for inspection by OER. Excavated soils will be stockpiled on, at minimum, double layers of 8-mil minimum sheeting, will be kept covered at all times with appropriately anchored plastic tarps, and will be routinely inspected. Broken or ripped tarps will be promptly replaced.

All stockpile activities will be compliant with applicable laws and regulations. Soil stockpile areas will be appropriately graded to control run-off in accordance with applicable laws and regulations. Hay bales or equivalent will surround soil stockpiles except for areas where access by equipment is required. Silt fencing and hay bales will be used as needed near catch basins, surface waters, and other discharge points.

1.3 Characterization of Excavated Materials

Soil/fill or other excavated media that is transported off-Site for disposal will be sampled in a manner required by the receiving facility, and in compliance with applicable laws and regulations. Soils proposed for reuse on-Site will be managed as defined in this plan.

1.4 Materials Excavation, Load-Out and Departure

The PE/QEP overseeing the remedial action will:

- oversee remedial work and the excavation and load-out of excavated material;
- ensure that there is a party responsible for the safe execution of invasive and other work performed under this work plan;
- ensure that Site development activities and development-related grading cuts will not interfere with, or otherwise impair or compromise the remedial activities proposed in this RAP;
- ensure that the presence of utilities and easements on the Site has been investigated and that any identified risks from work proposed under this plan are properly addressed by appropriate parties;
- ensure that all loaded outbound trucks are inspected and cleaned if necessary before leaving the Site;
- ensure that all egress points for truck and equipment transport from the Site will be kept clean of Site-derived materials during Site remediation.

Locations where vehicles exit the Site shall be inspected daily for evidence of soil tracking off premises. Cleaning of the adjacent streets will be performed as needed to maintain a clean condition with respect to Site-derived materials.

Open and uncontrolled mechanical processing of historical fill and contaminated soil on-Site will not be performed without prior OER approval.

1.5 Off-Site Materials Transport

Loaded vehicles leaving the Site will comply with all applicable materials transportation requirements (including appropriate covering, manifests, and placards) in accordance with applicable laws and regulations, including use of licensed haulers in accordance with 6 NYCRR Part 364. If loads contain wet material capable of causing leakage from trucks, truck liners will be

used. Queuing of trucks will be performed on-Site, when possible, to minimize off Site disturbance. Off-Site queuing will be minimized.

Outbound truck transport routes are in Section 3.8 of the RAP. This routing takes into account the following factors: (a) limiting transport through residential areas and past sensitive areas; (b) use of mapped truck routes; (c) minimizing off-Site queuing of trucks entering the facility; (d) limiting total distance to major highways; (e) promoting safety in access to highways; and (f) overall safety in transport. To the extent possible, all trucks loaded with Site materials will travel from the Site using these truck routes. Trucks will not stop or idle in the neighborhood after leaving the project Site.

1.6 Materials Disposal Off-Site

The following documentation will be established and reported by the PE/QEP for each disposal destination used in this project to document that the disposal of regulated material exported from the Site conforms with applicable laws and regulations: (1) a letter from the PE/QEP or Applicant to each disposal facility describing the material to be disposed and requesting written acceptance of the material. This letter will state that material to be disposed is regulated material generated at an environmental remediation Site in New York under a governmental remediation program. The letter will provide the project identity and the name and phone number of the PE/QEP or Applicant. The letter will include as an attachment a summary of all chemical data for the material being transported; and (2) a letter from each disposal facility stating it is in receipt of the correspondence (1, above) and is approved to accept the material. These documents will be included in the RCR.

The RCR will include an itemized account of the destination of all material removed from the Site during this remedial action. Documentation associated with disposal of all material will include records and approvals for receipt of the material. This information will be presented in the RCR.

All impacted soil/fill or other waste excavated and removed from the Site will be managed as regulated material and will be disposed in accordance with applicable laws and regulations.

Historic fill and contaminated soils taken off-Site will be handled as solid waste and will not be disposed at a Part 360-16 Registration Facility (also known as a Soil Recycling Facility).

Waste characterization will be performed for off-Site disposal in a manner required by the receiving facility and in conformance with its applicable permits. Waste characterization sampling and analytical methods, sampling frequency, analytical results and QA/QC will be reported in the RCR. A manifest system for off-Site transportation of exported materials will be employed. Manifest information will be reported in the RCR. Hazardous wastes derived from on-Site will be stored, transported, and disposed of in compliance with applicable laws and regulations.

1.7 Materials Reuse On-Site

No Site -derived soil/fill is anticipated to be re-used at the Site.

1.8 Demarcation

The soil/fill will be completely removed throughout the Site to the extent possible. The residual material will be the soil/fill constituting the required safe slopes along the perimeter of the property. A map of the residual material will be prepared and photographs of the completed excavation will be obtained. In addition, the residual soil within the slopes consists of bricks, concrete, and asphalt within a matrix of silty soil. Therefore, the soil type and the presence of the fill material will provide a clear demarcation from the clean sand that will be used as backfill.

A map and photographs showing the method of demarcation for the Site and all associated documentation will be presented in the RCR.

1.9 Import of Backfill Soil from Off-Site Sources

All imported soils will meet OER-approved backfill and cover soil quality objectives for this Site.

A process will be established to evaluate sources of backfill and cover soil to be imported to the Site, and will include an examination of source location, current and historical use(s), and any applicable documentation. Material from industrial sites, spill sites, environmental remediation sites or other potentially contaminated sites will not be imported to the Site.

The following potential sources may be used pending attainment of backfill and cover soil quality objectives:

- Clean soil from construction projects at non-industrial sites in compliance with applicable laws and regulations;
- Clean soil from roadway or other transportation-related projects in compliance with applicable laws and regulations;
- Clean recycled concrete aggregate (RCA) from facilities permitted or registered by the regulations of NYS DEC.

All materials received for import to the Site will be approved by a PE/QEP and will be in compliance with provisions in this RAP. The RCR will report the source of the fill, evidence that an inspection was performed on the source, chemical sampling results, frequency of testing, and a Site map indicating the locations where backfill or soil cover was placed.

Source Screening and Testing

Inspection of imported fill material will include visual, olfactory, and PID screening for evidence of contamination. Materials imported to the Site will be subject to inspection, as follows:

- Trucks with imported fill material will be in compliance with applicable laws and regulations and will enter the Site at designated locations;
- The PE/QEP is responsible to ensure that every truck load of imported material is inspected for evidence of contamination; and

- Fill material will be free of solid waste including pavement materials, debris, stumps, roots, and other organic matter, as well as ashes, oil, perishables or foreign matter.

Composite samples of imported material will be taken at a minimum frequency of one sample for every 500 cubic yards of material. Once it is determined that the fill material meets imported backfill or cover soil chemical requirements and is non-hazardous, and lacks petroleum contamination, the material will be loaded onto trucks for delivery to the Site.

Recycled concrete aggregate (RCA), if used at the Site, will be imported from facilities permitted or registered by NYSDEC. Facilities will be identified in the RCR. A PE/QEP is responsible to ensure that the facility is compliant with 6NYCRR Part 360 registration and permitting requirements for the period of acquisition of RCA. RCA imported from compliant facilities will not require additional testing, unless required by NYSDEC under its terms for operation of the facility. RCA imported to the Site must be derived from recognizable and uncontaminated concrete. RCA material is not acceptable for, and will not be used as cover material.

1.10 Fluids Management

All liquids to be removed from the Site, including dewatering fluids, will be handled, transported and disposed in accordance with applicable laws and regulations. No liquids will be discharged into the New York City sewer system. The dewatering fluid (groundwater pumpage) will be managed by transportation and disposal at an off-Site treatment facility.

No discharge of water generated during remedial construction to surface waters (i.e. a stream or river) will occur.

1.11 Storm-water Pollution Prevention

Applicable laws and regulations pertaining to stormwater pollution prevention will be addressed during the remedial program. Erosion and sediment control measures identified in this

RAP (silt fences and barriers, and/or hay bales) will be installed around soil stockpiled soil that remain at the Site for greater than one day. The entire perimeter of the remedial construction area and inspected once a week and after every storm event to ensure that they are operating appropriately. Discharge locations will be inspected to determine whether erosion control measures are effective in preventing significant impacts to receptors. Results of inspections will be recorded in a logbook and maintained at the Site and available for inspection by OER. All necessary repairs shall be made immediately. Accumulated sediments will be removed as required to keep the barrier and hay bales functional. Undercutting or erosion of the silt fence anchor will be repaired immediately with appropriate backfill materials. Manufacturer's recommendations will be followed for replacing silt fencing damaged due to weathering.

1.12 Contingency Plan

This contingency plan is developed for the remedial construction to address the discovery of unknown structures or contaminated media during excavation. Identification of unknown contamination source areas during invasive Site work will be promptly communicated to OER's Project Manager. Petroleum spills will be reported to the NYS DEC Spill Hotline. These findings will be included in the daily report. If previously unidentified contaminant sources are found during on-Site remedial excavation or development-related excavation, sampling will be performed on contaminated source material and surrounding soils and reported to OER. Chemical analytical testing will be performed for Full List volatiles and semi-volatiles, pesticides/PCBs, and TAL metals, as appropriate.

1.13 Odor, Dust and Nuisance Control

Odor Control

All necessary means will be employed to prevent on- and off-Site odor nuisances. At a minimum, procedures will include: (a) limiting the area of open excavations; (b) shrouding open excavations with tarps and other covers; and (c) use of foams to cover exposed odorous soils. If

odors develop and cannot otherwise be controlled, additional means to eliminate odor nuisances will include: (d) direct load-out of soils to trucks for off-Site disposal; and (e) use of chemical odorants in spray or misting systems.

This odor control plan is capable of controlling emissions of nuisance odors. If nuisance odors are identified, work will be halted and the source of odors will be identified and corrected. Work will not resume until all nuisance odors have been abated. OER will be notified of all odor complaint events. Implementation of all odor controls, including halt of work, will be the responsibility of the PE/QEP's certifying the RCR.

Dust Control

Dust management during invasive on-Site work will include, at a minimum:

- Use of a dedicated water spray methodology for roads, excavation areas and stockpiles.
- Use of properly anchored tarps to cover stockpiles.
- Exercise extra care during dry and high-wind periods.
- Use of gravel or recycled concrete aggregate on egress and other roadways to provide a clean and dust-free road surface.

This dust control plan is capable of controlling emissions of dust. If nuisance dust emissions are identified, work will be halted and the source of dusts will be identified and corrected. Work will not resume until all nuisance dust emissions have been abated. OER will be notified of all dust complaint events. Implementation of all dust controls, including halt of work, will be the responsibility of the PE/QEP's responsible for certifying the Remedial Closure Report.

Other Nuisances

Noise control will be exercised during the remedial program. All remedial work will conform, at a minimum, to NYC noise control standards.

Rodent control will be provided, during Site clearing and grubbing, and during the remedial program, as necessary, to prevent nuisances.

1.14 Import of Clean Cover

Approximately 3,150 tons (2,100 cubic yards) of soil is anticipated to be imported to the Site for use as clean backfill/cover material. All imported soil will be uncontaminated, clean soil that meets the lesser of the appropriate NYSDEC 6 NYCRR Part 375-6.8(a) Unrestricted Use SCOs and the NYSDEC 6 NYCRR Part 375-6.8 groundwater protection SCOs.

The imported uncontaminated, clean soil cover will be from an approved source/facility and will be evaluated by the PE/QEP to ensure:

- 1) That the material does not include any solid waste, including construction and demolition material;
- 2) That screening for evidence of contamination by visual, olfactory and PID soil screening practices prior to testing at the source as well as upon importing to the Site for grading is completed; and
- 3) That a maximum five-part composite sample will be collected from the segregated stockpile at the source at a minimum frequency of one sample per 250 cubic yards and analyzed for the following Full List parameters:
 - VOCs by EPA Method 8260C (rev. 2006)
 - SVOCs by EPA Method 8270D (rev. 2007)
 - Pesticides by EPA Method 8081B (rev. 2000)
 - PCBs by EPA Method 8082A (rev. 2000)
 - TAL Metals by EPA Method 6010C (rev. 2007)

Upon receipt of the segregated stockpile analytical results collected at the source, a Clean Soil Sampling Report will be submitted to OER for review/approval prior to importing. The report will include the following:

- 1) Summary of number of samples collected and analyzed, tabulated data and comparison to the selected Site Use SCOs;
- 2) Analytical data sheets and chain of custody documentation;
- 3) Summary of 3,150 tons (2,100 cubic yards);
- 4) Photographs from the segregated stockpile at the source with sample point locations identified;
- 5) An affidavit from the source/facility on company letterhead stating that the segregated stockpile has been properly maintained at the source and complies with the requirements listed above; and
- 6) A copy of source/facility NYSDEC permit;

Appendix 2

**Construction Health and Safety Plan
for
100 East 149th St., Bronx, New York**

TABLE OF CONTENTS

<u>Section</u>	<u>Title</u>	<u>Page No.</u>
1.0	Introduction	1
1.1	Scope and Applicability of the CHASP Site Work Zone and Visitors	1
1.2	Site Work Zones and Visitors	2
2.0	Key Personnel/Alternates	3
3.0	Site Background	4
3.1	Site History and Known Chemical Constituents at the Site	4
4.0	Task/Operation Health and Safety Analysis	5
4.1	Safety Analysis	5
4.2	Other Safety Considerations	7
4.2.1	Noise	7
4.2.2	Slip/Trip/Fall Preventative Measures	9
4.2.3	Heat/Cold Stress	9
4.2.4	Potential Electrical Hazards	11
4.2.5	The Buddy System	11
4.2.6	Site Communications	11
4.2.7	General Safe Work Practices	12
5.0	Personnel Training Requirements	13
6.0	Personal Protective Equipment	15
6.1	General Considerations	15
6.2	Donning and Doffing Ensembles	17
6.3	Respirator Fit Testing	19
6.4	Inspection	19
6.5	Storage	21
6.6	Maintenance	21
6.7	Decontamination Methods	24

TABLE OF CONTENTS (*CONTINUED*)

<u>Section</u>	<u>Title</u>	<u>Page No.</u>
7.0	Calibration Procedures, Frequencies, and Maintenance	25
8.0	Emergency Response Plan	27

LIST OF TABLES

Table 4.2.1.1	Permissible Noise Exposures	8
Table 5.1	Signs and Symptoms of Exposure to Chemicals Detected at the Site	14
Table 6.2.1	Donning Procedures	18
Table 6.2.2	Doffing Procedures	20
Table 6.4.1	PPE Inspection Checklist	22

LIST OF ATTACHMENTS

A	Emergency Telephone Numbers, Contact Personnel, Directions from the Site to the Hospital

SECTION 1.0 INTRODUCTION

This Construction Health and Safety Plan (CHASP) has been written for compliance with "OSHA Hazardous Waste Operations Standards (29 CFR 1910.120)", the guidance documents, "Standard Operating Safety Guidelines (Office of Solid Waste and Emergency Response, 1988)" and the "Occupational Safety and Health Guidance Manual for Hazardous Waste Activities" (U.S. Department of Health and Human Services, 1985).

1.1 Scope and Applicability of the CHASP

This CHASP is designed to be applicable to locations where contaminated soil, groundwater, or underground storage tanks may be encountered at the property at 100 East 149th St., Bronx, New York by all parties that either perform or witness the activities on Site. This CHASP may also be modified or amended to meet specific needs of the work proposed. This CHASP will detail the Site safety procedures, Site background, and safety monitoring. All Site workers and visitors will be required to adopt this CHASP in full.

The Health and Safety Officer (HSO) (a.k.a Site Safety Officer) will be present at the Site to inspect the implementation of the CHASP.

The CHASP has been formulated as a guide to complement professional judgment and experience. The appropriateness of the information presented should always be evaluated with respect to unforeseen Site conditions which may arise.

The HSO will be Mr. James Mulvey. Remedial work performed under this RAP will be in compliance with applicable health and safety laws and regulations, including Site and OSHA worker safety requirements and HAZWOPER requirements. Confined space entry, if any, will comply with OSHA requirements and industry standards and will address potential risks. The parties performing the remedial construction work will ensure that performance of work is in compliance with the CHASP and applicable laws and regulations. The CHASP pertains to remedial and invasive work performed at the Site until the issuance of the Notice of Satisfaction.

Personnel entering any exclusion zone will be trained in the provisions of the CHASP and be required to sign an CHASP acknowledgment. Site-specific training will be provided to field personnel. Additional safety training may be added depending on the tasks performed.

Emergency telephone numbers will be posted at the Site location before any remedial work begins. A safety meeting will be conducted before each shift begins. Topics to be discussed include task hazards and protective measures (physical, chemical, environmental); emergency procedures; PPE levels and other relevant safety topics. Meetings will be documented in a log book or specific form.

1.2 Site Work Zone and Visitors

The Site work zone (a.k.a. exclusion zone) during well sampling will be a 30-foot radius about the work location. During the removal of underground storage tanks (USTs) and Site excavation, the work zone will be the entire Site and will be delineated by the perimeter fence at the Site boundary. This work zone may be extended if, in the judgment of the HSO, Site conditions warrant a larger area.

No visitors will be permitted within the work zone without the consent of the HSO. All visitors will be required to be familiar with, and comply with, the CHASP. The HSO will deny access to those whose presence within the work zone is unnecessary or those who are deemed by the HSO to be in non-compliance with the CHASP.

All field personnel involved in remedial activities will participate in training required under 29 CFR 1910.120, including 40-hour hazardous waste operator training and annual 8-hour refresher training as well as 30-hour Construction Safety Training as per 29 CFR 1926. HSO will be responsible for maintaining worker training records.

The HSO will also give an on-Site health and safety discussion to all Site personnel, including contractors, prior to initiating the Site work. Workers not in attendance during the health and safety talk will be required to have the discussion with the HSO prior to entering the work zone.

Emergency telephone numbers and directions to the nearest hospital are found in Attachment A on the last two pages of this CHASP.

SECTION 2.0
KEY PERSONNEL

The project manager and HSO for this project is Mr. James Mulvey. The assistant project manager and assistant HSO will be Mr. Michael P. Flynn.

SECTION 3.0

SITE BACKGROUND

3.1 Site History and Known Chemical Constituents at the Site

The Site is located at 100 E. 149th St., Bronx, New York. The Site is vacant and there are no structures on the Site. The entire Site is paved with asphalt. Topography at the Site is essentially flat. The primary chemicals known to be present at the Site are petroleum constituents, along with minor and sporadic locations where PCBs and pesticides have been detected.

SECTION 4.0

TASK/OPERATION HEALTH AND SAFETY ANALYSIS

This section will present the Site-specific health and safety analyses.

4.1 Safety Analysis

The tasks will include the removal of apparent USTs that are suspected to be present at the Site, sampling of existing groundwater monitoring wells, and excavation of primarily petroleum-contaminated soil from the entire Site.

In general, one to two consultants will be present at the Site along with environmental workers. No Site operations will be conducted without the presence of the HSO or assistant HSO on-Site.

Based on the Site history, it has been determined that known potential chemical concerns consist of petroleum-related volatile and semi-volatile organic compounds (VOCs and SVOCs), along with metals, in the soil, soil vapor, and groundwater at the Site. Minor and sporadic concentrations of PCBs and pesticides have also been detected in the Site soil.

VOC Monitoring, Response Levels, and Actions

Volatile organic compounds (VOCs) will be monitored at the downwind perimeter of the immediate work area (i.e., the exclusion zone) on a continuous basis during invasive work. Upwind concentrations will be measured at the start of each workday and periodically thereafter to establish background conditions. The monitoring work will be performed using equipment appropriate to measure the types of contaminants known or suspected to be present. The equipment will be calibrated at least daily for the contaminants of concern or for an appropriate surrogate. The equipment will be capable of calculating 15-minute running average concentrations, which will be compared to the levels specified below.

- If the ambient air concentration of total organic vapors at the downwind perimeter of the work area or exclusion zone exceeds 5 parts per million (ppm) above background for the 15-minute average, work activities will be temporarily halted and monitoring continued.

If the total organic vapor level readily decreases (per instantaneous readings) below 5 ppm over background, work activities will resume with continued monitoring.

- If total organic vapor levels at the downwind perimeter of the work area or exclusion zone persist at levels in excess of 5 ppm over background but less than 25 ppm, work activities will be halted, the source of vapors identified, corrective actions taken to abate emissions, and monitoring continued. After these steps, work activities will resume provided that the total organic vapor level 200 feet downwind of the exclusion zone or half the distance to the nearest potential receptor or residential/commercial structure, whichever is less--but in no case less than 20 feet, is below 5 ppm over background for the 15-minute average.
- If the organic vapor level is above 25 ppm at the perimeter of the work area, activities will be shut down.

All 15-minute readings must be recorded and be available for OER personnel to review. Instantaneous readings, if any, used for decision purposes will also be recorded.

Particulate Monitoring, Response Levels, and Actions

Particulate concentrations will be monitored continuously at the upwind and downwind perimeters of the exclusion zone at temporary particulate monitoring stations. The particulate monitoring will be performed using real-time monitoring equipment capable of measuring particulate matter less than 10 micrometers in size (PM-10) and capable of integrating over a period of 15 minutes (or less) for comparison to the airborne particulate action level. The equipment will contain an audible alarm to indicate an exceedance of the action level. In addition, fugitive dust migration should be visually assessed during all work activities.

- If the downwind PM-10 particulate level is 100 micrograms per cubic meter (mcg/m^3) greater than background (upwind perimeter) for the 15-minute period or if airborne dust is observed leaving the work area, then dust suppression techniques will be employed. Work will continue with the implementation of dust suppression techniques provided that downwind PM-10 particulate levels do not exceed $150 \text{ mcg}/\text{m}^3$ above the upwind level and provided that no visible dust is migrating from the work area.
- If, after implementation of dust suppression techniques, downwind PM-10 particulate levels are greater than $150 \text{ mcg}/\text{m}^3$ above the upwind level, work will be stopped and a re-evaluation of activities initiated. Work will resume provided that dust suppression

measures and other controls are successful in reducing the downwind PM-10 particulate concentration to within 150 mcg/m³ of the upwind level and in preventing visible dust migration. All readings will be recorded and be available for OER personnel to review.

Steady-state PID readings greater than five ppm in the worker's breathing zone will require upgrading to Level C personal protective equipment. Steady-state readings, for this purpose, will be defined as readings exceeding five ppm above background for a minimum of ten seconds. Readings will be obtained at points approximately three to five foot above the excavation area.

Upon encountering PID levels greater than 5 ppm above background in the worker's breathing zone, Level C personal protection will be implemented including full-face air-purifying respirators with dust and organic vapor cartridges (personal protective equipment will be described in greater detail in Section 7.0). All personnel and contractors must be properly trained and fit tested prior to donning respirators. If, at any time, PID readings exceed steady-state levels greater than 25 ppm above background, or any conditions exist which the HSO determines will require Level B personal protective equipment, all work at the Site will cease immediately and all personnel will leave the work zone. Evacuation will occur in the upwind direction if discernable.

All personnel will be required to wear chemical-resistant gloves (such as butyl or nitrile) when the potential for dermal contact with soil is possible. Dermal contact with soils removed from the ground will be avoided.

4.2 Other Safety Considerations

4.2.1 Noise

During any operation which may generate potentially harmful levels of noise, the HSO may monitor noise levels with a Realistic[™] (or similar) hand-held sound level meter. Noise levels will be monitored in decibels (dBs) in the A-weighted, slow-response mode. Noise level readings which exceed the 29 CFR 1910.95 permissible noise exposure limits will require hearing protection (see Table 4.2.1.1 for permissible noise exposures).

TABLE 4.2.1.1
PERMISSIBLE NOISE EXPOSURES*

Duration Per Day <u>(Hours)</u>	Sound Level dBA <u>Slow Response</u>
8	90
6	92
4	95
3	97
2	100
1	105

NOTES: When the daily noise exposure is composed of two or more periods of noise exposure of different levels, their combined effect should be considered, rather than the individual effect of each. If the sum of the following fractions: $C_1/T_1 + C_2/T_2 + C_6/T_6$ exceed unity, then, the mixed exposure should be considered to exceed the limit value. C_n indicates the total time of exposure at a specified noise level, and T_n indicates the total time of exposure permitted at that level.

Exposure to impulsive or impact noise should not exceed 140 dB peak sound pressure level.

* Standards derived from 29 CFR 1910.95

Hearing protection will be available to all Site workers. The hearing protection will consist of foam, expansion-fit earplugs (or other approvable hearing protection) with an Environmental Protection Agency noise reduction rating of at least 29 dB. Hearing protection must alleviate worker exposure to noise to an eight-hour time-weighted average of 85 dB or below. In the event that the hearing protection is inadequate, work will cease until a higher level of hearing protection can be incorporated.

4.2.2 Slip/Trip/Fall Preventative Measures

To reduce the potential for slipping, tripping, or falling, the work zone will be kept clear of unnecessary equipment. All Site workers will be required to wear work boots with adequate tread to reduce the potential for slipping (work boots must be leather or chemical-resistant and contain steel toes and steel shanks).

4.2.3 Heat/Cold Stress

Heat stress may become a concern especially if protective clothing is donned which will decrease natural ventilation. To assist in reducing heat stress the following measures will be taken:

- An adequate supply of water or other liquids will be brought on Site. To prevent dehydration, personnel will be encouraged to drink generous amounts of water even if not thirsty.
- A shady rest area will be designated to provide shelter during sunny days.
- In hot weather, workers wearing protective clothing may be rotated.

When the temperature is over 70 degrees Fahrenheit and personnel are wearing protective clothing, heat stress monitoring may be implemented as follows:

- Heart rate may be measured by counting the radial pulse for 30 seconds at the beginning of the rest period. The heart rate should not exceed 110 beats per minute. If the rate is higher, the next work period will be shortened by ten minutes (or 33%). If the pulse rate is 100 beats per minute at the beginning of the next rest period, the following work cycle will be shortened by 33%. The HSO will decide on the length of work periods and rest periods based on Site conditions.

- Body temperature may be measured, if deemed necessary, at the beginning of the rest period. Oral temperature should not exceed 99 degrees Fahrenheit. If it does, the next work period will be shortened by ten minutes (or 33%). However, if the oral temperature exceeds 99.7 degrees Fahrenheit at the beginning of the next period, the following work cycle will be

further shortened by 33%. Work will not re-commence until the worker's body temperature has dropped below 99 degrees Fahrenheit.

Indications of heat stress range from mild (fatigue, irritability, anxiety, decreased concentration, dexterity or movement) to fatal. Medical help will be obtained for serious conditions.

Heat-related problems are caused by:

Prolonged Exposure: continuous exposure to heat and humid air, which can be aggravated by chafing clothes. Decreases ability to tolerate heat as well as being a nuisance.

Heat cramps: caused by profuse perspiration with inadequate fluid intake and chemical replacement (especially salts). Signs of heat cramps include muscle spasm and pain in the extremities and abdomen.

Heat exhaustion: caused by increased stress on various organs to meet increased demands to cool the body. Signs of heat exhaustion include shallow breathing; pale, cool, moist skin; profuse sweating; dizziness, and lassitude.

Heat stroke: the most severe form of heat stress, which can be fatal. Medical help must be obtained immediately. Body must be cooled immediately to prevent severe injury and/or death. Signs of heat stroke include red, hot, dry skin; no perspiration; nausea; dizziness and confusion; strong, rapid pulse; coma.

Cold stress is a concern if work is conducted during cold weather or marginally cold weather during precipitation periods or moderate to high wind velocity periods. To assist in reducing cold exposure the following measures will be taken:

- All personnel will be required to wear adequate and appropriate clothing. This will include head gear to prevent the high percentage loss of heat that occurs in this area (thermal liners for hard hats if hard hats are required).
- Provide a readily available warm shelter near each work zone.
- Carefully schedule work and rest periods to account for the current temperature and wind velocity conditions.
- Monitor work patterns and physical condition of workers and rotate personnel, as necessary.

Indications of cold exposure range from shivering, dizziness, numbness, confusion, weakness, impaired judgment, impaired vision to drowsiness. Medical help will be obtained for serious conditions if they occur.

Cold exposure related problems are:

Frost bite: Ice crystal formation in body tissues. The restricted blood flow to the injured part results in local tissue destruction.

Hypothermia: Severe exposure to cold temperature resulting in the body losing heat at a rate faster than the body can generate heat. The stages of hypothermia are shivering, apathy, loss of consciousness, decreasing pulse rate and breathing rate, and death.

Signs and symptoms of heat and cold stress are listed in Table 4.2.3.

4.2.4 Potential Electrical Hazards

Potential electric hazards consist mainly of underground power lines. Underground potential electrical hazards will be minimized by having a utility mark-out performed for the Site. In addition, available as-built Site blueprints will be used to avoid contact with subsurface utility lines or structures. As a final precaution, prior to drilling at any location, post-hole digging or hand augering will be performed by the drillers to a depth of three to four feet to check for the existence of subsurface utility lines or structures.

4.2.5 The Buddy System

All activities in contaminated or potentially contaminated areas will be conducted by pairing off the Site workers in groups of two (or three if necessary). Each person (buddy) will be able to:

- Provide his or her partner with assistance.
- Observe his or her partner for signs of chemical or heat or cold exposure.
- Periodically check the integrity of his or her partner's protective clothing.
- Notify the HSO or others if emergency help is needed.

The buddy system will be instituted at the beginning of each work day. If new workers arrive on Site, a buddy will be chosen prior to the new worker entering the work zone.

4.2.6 Site Communications

Two sets of communication systems will be established at the Site: internal communication among personnel on-Site, and external communication between on-Site and off-Site personnel.

Internal communication will be used to:

- Alert team members to emergencies.
- Pass along safety information such as heat stress check, protective clothing check, etc.
- Communicate changes in the work to be accomplished.

- Maintain Site control.

Due to ambient noise, verbal communications may be difficult at times. If necessary, the HSO will carry a whistle (or compressed air horn if respirators are donned) to signal Site workers. A single whistle blast will be the signal to immediately evacuate the work zone through the access control point. This signal will be discussed with all Site workers prior to commencement of work.

An external communication system between on-Site and off-Site personnel will be established to:

- Coordinate emergency response.
- Report to the Project Manager.
- Maintain contact with essential off-Site personnel.

4.2.7 General Safe Work Practices

Standing orders which will be applicable during Site operations are as follows:

- No smoking, eating, drinking, or application of cosmetics in the work zone.
- No matches or lighters in the work zone.
- All Site workers will enter/exit the work zone through the Site access point.
- Any signs of contamination, radioactivity, explosivity, or unusual condition such as dead animals will require evacuating the Site immediately and reporting the information to the HSO.
- Loose fitting clothing or loose long hair will be prohibited in the work zone during drilling operations.
- A signal person will direct the backing of work vehicles.
- Equipment operators will be instructed to check equipment for abnormalities such as oozing liquids, frayed cables, unusual odors, etc.

SECTION 5.0

PERSONNEL TRAINING REQUIREMENTS

All Site personnel and contractor personnel will receive adequate training prior to entering the Site. Site personnel will, at a minimum, have completed OSHA-approved, 40-hour hazardous materials Site safety training and OSHA-approved, eight-hour safety refresher course within one year prior to commencing field work. In addition, each worker must have a minimum of three days field experience under the direct supervision of a trained, experienced supervisor.

Prior to Site field work, the HSO will conduct an in-house review of the project with respect to health and safety with all personnel who will be involved with field work at the Site. The review will include discussions of signs and symptoms of chemical exposure and heat stress that indicate potential medical emergencies presented in Table 5.1. In addition, if necessary, review of personal protective equipment will be conducted to include the proper use of air-purifying respirators.

TABLE 5.1
SIGNS AND SYMPTOMS OF EXPOSURE TO CHEMICALS

Signs and Symptoms
Breathing difficulties
Changes in complexion of skin color
Confusion
Coordination difficulties
Coughing
Depression
Dermatitis
Dilated Pupils
Dizziness
Euphoria
Fatigue and/or weakness
Flushed face and/or neck
Insomnia
Irregular heartbeat
Irritability
Irritation of eyes, nose, respiratory tract, skin or throat
Headache
Lacrimation
Light-Headedness
Muscle Fatigue
Nausea
Nervousness
Numbness in limbs
Paresthesia
Sleepiness
Tingling
Tremors
Vertigo
Visual disturbance
Vomiting

SECTION 6.0

PERSONAL PROTECTIVE EQUIPMENT

6.1 General Considerations

The two basic objectives of the personal protective equipment (PPE) are to protect the wearer from safety and health hazards, and to prevent the wearer from incorrect use and/or malfunction of the PPE.

All work is expected to be performed during daylight hours and workdays, and in general, are expected to be eight to ten hours in duration. Any work performed beyond daylight hours will require the permission of the HSO. This decision will be based on the adequacy of artificial illumination and the type and necessity of the task being performed.

Personal protection levels for the Site activities, based on past investigations, are anticipated to be Level D with the possibility of upgrading to Level C. The equipment included for each level of protection is provided as follows:

Level C Protection

Personnel protective equipment:

- Air-purifying respirator, full-face.
- Chemical-resistant clothing includes: Tyvek™ (spun bonded olefin fibers) for particulate and limited splash protection or Saranex™ (plastic film-laminated Tyvek) for permeation resistance to solvents.
- Coveralls*, or
- Long cotton underwear.*
- Gloves (outer), chemical-resistant.
- Gloves (inner), chemical-resistant.
- Boots (outer), leather or chemical-resistant, steel toe and shank.
- Boot covers (outer), chemical-resistant (disposable).*
- Hard hat (face shield).*
- Escape mask.*

(*) optional

Criteria for Selection of Level C Protection

Meeting all of these criteria permits use of Level C Protection:

- Oxygen concentrations are not less than 19.5% by volume.
- Measured air concentrations of identified substances will be reduced by the respirator to concentrations below the substance's threshold limit value (TLV).
- Atmospheric contaminants, liquid splashes, or other direct contact will not adversely affect any body area left unprotected by chemical-resistant clothing.
- Job functions do not require self-contained breathing apparatus.
- Direct readings are below 50 ppm on the PID.

Level D Protection

Personnel protective equipment:

- Coveralls.
- Gloves.*
- Boots/shoes, leather or chemical-resistant, steel toe and shank.
- Safety glasses or chemical splash goggles.*
- Hard hat (face shield*).
- Escape mask.*

(*) optional

Criteria for Selection of Level D Protection

Meeting any of these criteria allows use of Level D Protection:

- No contaminant levels above 5 ppm organic vapors or dusty conditions are present.
- Work functions preclude splashes, immersion, or the reasonable potential for unexpected inhalation of any chemicals above the TLV.

Additional Considerations for Selecting Levels of Protection

Another factor which will be considered in selecting the appropriate level of protection is heat and physical stress. The use of protective clothing and respirators increases physical stress, in particular, heat stress on the wearer. Chemical protective clothing greatly reduces natural ventilation and diminishes the body's ability to regulate its temperature. Even in moderate ambient temperatures, the diminished capacity of the body to dissipate heat can result in one or more heat-related problems.

All chemical protective garments can be a contributing factor to heat stress. Greater susceptibility to heat stress occurs when protective clothing requires the use of a tightly fitted

hood against the respirator face piece, or when gloves or boots are taped to the suit. As more body area is covered, less cooling takes place, increasing the probability of heat stress.

Wearing protective equipment also increases the risk of accidents. It is heavy, cumbersome, decreases dexterity, agility, interferes with vision, and is fatiguing to wear. These factors all increase physical stress and the potential for accidents. In particular, the necessity of selecting a level of protection will be balanced against the increased probability of heat stress and accidents.

6.2 Donning and Doffing Ensembles

Donning an Ensemble

A routine will be established and practiced periodically for donning a Level C ensemble. Assistance may be provided for donning and doffing since these operations are difficult to perform alone.

Table 6.2.1 lists sample procedures for donning a Level C ensemble. These procedures should be modified depending on the particular type of suit and/or when extra gloves and/or boots are used.

TABLE 6.2.1
SAMPLE DONNING PROCEDURES

1. Inspect the clothing and respiratory equipment before donning (see Inspection in subsection 7.4).
2. Adjust hard hat or headpiece if worn, to fit user's head.
3. Standing or sitting, step into the legs of the suit; ensure proper placement of the feet within the suit; then gather the suit around the waist.
4. Put on chemical-resistant safety boots over the feet of the suit. Tape the leg cuff over the tops of the boots.
5. Don the respirator and adjust it to be secure, but comfortable.
6. Perform negative and positive respirator facepiece seal test procedures.
8. Put on hard hat.
9. Have assistant observe the wearer for a period of time to ensure that the wearer is comfortable, psychologically stable, and that the equipment is functioning properly.

Doffing an Ensemble

Exact procedures for removing Level C ensembles must be established and followed to prevent contaminant migration from the work area and transfer of contaminants to the wearer's body, the doffing assistant, and others.

Doffing procedures are provided in Table 6.2.2. These procedures should be performed only after decontamination of the suited worker. They require a suitably attired assistant. Throughout the procedures, both worker and assistant should avoid any direct contact with the outside surface of the suit.

6.3 Respirator Fit Testing

The fit or integrity of the facepiece-to-face seal of a respirator affects its performance. Most facepieces fit only a certain percentage of the population; thus each facepiece must be tested on the potential wearer in order to ensure a tight seal. Facial features such as scars, hollow temples, very prominent cheekbones, deep skin creases, dentures or missing teeth, and the chewing of gum and tobacco may interfere with the respirator-to-face seal. A respirator shall not be worn when such conditions prevent a good seal. The worker's diligence in observing these factors shall be evaluated by periodic checks. Fit testing will comply with 29 CFR 1910.1025 regulations.

6.4 Inspection

The PPE inspection program will entail five different inspections:

- Inspection and operational testing of equipment received from the factory or distributor.
- Inspection of equipment as it is issued to workers.
- Inspection after use.
- Periodic inspection of stored equipment.
- Periodic inspection when a question arises concerning the appropriateness of the selected equipment, or when problems with similar equipment arise.

TABLE 6.2.2
DOFFING PROCEDURES

1. Remove any extraneous or disposable clothing, boot covers, outer gloves, and tape.
2. Remove respirator by loosening straps and pulling straps over the top of the head and move mask away from head. Do not pull mask over the top of the head.
3. Remove arms, one at a time, from suit, avoiding any contact between the outside surface of the suit and wearer's body and lay the suit out flat behind the wearer. Leave internal gloves on, if any.
4. Sitting, if possible, remove both legs from the suit.
5. After suit is removed, remove internal gloves by rolling them off the hand, inside out.

6.5 Storage

Clothing and respirators will be stored properly to prevent damage or malfunction due to exposure to dust, moisture, sunlight, damaging chemicals, extreme temperatures, and impact. Storage procedures are as follows:

Clothing:

- Potentially contaminated clothing will be stored in an area separate from street clothing.
- Potentially contaminated clothing will be stored in a well-ventilated area, with good air flow around each item, if possible.
- Different types and material of clothing and gloves will be stored separately to prevent issuing the wrong material by mistake.
- Protective clothing will be folded or hung in accordance with manufacturer's recommendations.

Respirators:

- Air-purifying respirators should be dismantled, washed, and placed in sealed plastic bags.

6.6 Maintenance

Specialized maintenance will be performed only by the factory or an authorized repair person. Routine maintenance, such as cleaning, will be performed by the personnel using the equipment.

TABLE 6.4.1
PPE INSPECTION CHECKLIST

CLOTHING

Before use:

Determine that the clothing material is correct for the specified task at hand. Visually inspect for:

- imperfect seams
- non-uniform coatings
- tears
- malfunctioning closures

- Hold up to light and check for pinholes.

- Flex product:

- Observe for cracks
- Observe for other signs of shelf deterioration

- If the product has been used previously, inspect inside and out for signs of chemical attack:

- discoloration
- swelling
- stiffness

During the work task, periodically inspect for:

- Evidence of chemical attack such as discoloration, swelling, stiffening, and softening. Keep in mind, however, that chemical permeation can occur without any visible effects.

- Closure failure

- Tears

- Punctures

TABLE 6.4.1 - *CONTINUED*
PPE INSPECTION CHECKLIST

AIR-PURIFYING RESPIRATORS

Inspect air-purifying respirators:

before each use to be sure they have been adequately cleaned

Check material conditions for:

signs of pliability
signs of deterioration
signs of distortion

Examine cartridges to ensure that:

they are the proper type for the intended use
the expiration date has not been passed
they have not been opened or used previously

Check faceshields and lenses for:

cracks
fogginess

Air purifying respirators will be stored individually in resealable plastic bags. Respirators will be cleaned at the end of each day with alcohol pads or, preferably, by washing with warm soapy water.

6.7 Decontamination Methods

All personnel, clothing, equipment, and samples leaving the contaminated (work zone) area of the Site must be decontaminated to remove any harmful chemicals or infectious organisms that may have adhered to them. Decontamination methods either (1) physically remove contaminants, (2) inactivate contaminants by chemical detoxification or disinfection/sterilization, or (3) remove contaminants by a combination of both physical and chemical means. In many cases, gross contamination can be removed by physical means involving dislodging/displacement, rinsing, wiping off, and evaporation. Contaminants that can be removed by physical means include dust, vapors, and volatile liquids. All reusable equipment will be decontaminated by rinsing in a bath of detergent and water (respirators, gloves to be reused). Monitoring equipment will be decontaminated by wiping with paper towels and water.

All used PPE to be discarded will be placed in a 55-gallon drum or large plastic garbage bag and stored in a secure place at the Site while awaiting final disposition.

The effectiveness of the decontamination will be evaluated near the beginning of Site activities and will be modified if determined to be ineffective. Visual observation will be used for this purpose. The HSO will inspect decontaminated materials for discoloration, stains, corrosive effects, visible dirt, or other signs of possible residual contamination.

SECTION 7.0

CALIBRATION PROCEDURES, FREQUENCIES, AND MAINTENANCE

This section will present the calibration procedures, frequencies, and maintenance for the health and safety field monitoring instruments.

The use of the monitoring equipment is presented as follows (the manufacturer's owner's manuals for all equipment used will be present at the Site):

1. PID - this instrument is a photoionization detector that measures the concentration of airborne ionizable gases and vapors. The MiniRae does not distinguish between individual compounds and will not read methane. The calibration will be performed with a cylinder of "zero gas" (hydrocarbon free air) to "zero" the instrument and a 100 ppm cylinder of isobutylene to calibrate the span.

The calibration procedures and frequencies for each instrument are presented as follows:

PID

Isobutylene at 100 ppm in air will be used as Span Gas. A commercial zero grade gas will be used as the zero gas. Calibrate the instrument as follows:

1. Connect the supplied regulator to the Span Gas cylinder. Hand tighten the fittings.
2. Open the valve on the gas bag by turning the valve stem fully counter clockwise.
3. Attach the gas bag adapter nut to the regulator. Hand tighten the fittings.
4. Turn the regulator knob counter clockwise about half turn to start the flow of gas.
5. Fill the gas bag about half full and then close the regulator fully clockwise to turn off the flow of gas.
6. Disconnect the bag from the adapter and empty it. Flush the bag a few times with the Span Gas and then fill it.
7. Close the gas bag by turning the valve clockwise.
8. Hold down the power and N/- button to get to the password screen.
9. Press the select button for Zero Calibration.
10. Apply the "zero" gas and allow the MiniRae to calibrate for 30 seconds.
11. Press the select button for Span Gas Calibration.
12. Apply the span gas and allow the MiniRae to calibrate for 30 seconds.

The instrument will be calibrated prior to the commencement of each day's work. The instrument will be charged overnight prior to each day's work.

SECTION 8.0

EMERGENCY RESPONSE PLAN

This section will present the Emergency Response Plan (ERP) for the Site. Pre-emergency planning will consist of reviewing the ERP with all workers at the Site prior to initiation of work.

Personnel Roles

Should an emergency situation arise at the Site, the HSO will assume control and decision-making. The HSO will also resolve all dispute concerning health and safety requirements and precautions. The HSO will also:

- Be authorized to seek and purchase supplies as necessary.
- Have control over activities of everyone entering the Site.

The HSO will communicate, by field telephone or other, with off-Site personnel to include the Project Manager to evaluate data and assist in the decision-making process. Phone numbers for the fire department, police, ambulance, poison control center, New York State Department of Health, and NYS Department of Environmental Conservation Spill Response Department are listed on the next-to-last page of this document. The hospital which will be utilized during an emergency will be Brookdale University Hospital and Medical Center. The directions to the hospital, along with the hospital's emergency room phone number are presented on the last page of this document.

Copies of the last page of this document will be available at the Site and will be placed in all vehicles of personnel involved in activities at the Site.

Internal communications will consist of a single whistle (or compressed air horn if Level C is donned) blast. This blast will signal all workers to evacuate the work zone by the nearest exit.

Response Follow-Up

Following an emergency, or incident, a detailed report will be generated by the HSO. All equipment will be restored to pre-emergency conditions. The CHASP will be reviewed following an emergency to determine if it provides adequate information to assist in dealing with the emergency. The CHASP may be revised to incorporate additional information as needed.

Emergency Recognition and Prevention

Before daily work assignments begin, each day a brief on-Site meeting will be held by the HSO which will address health and safety issues related to the day's work. Prior to initiation of work, a detailed on-Site health and safety meeting will be held to review all potential hazards, contingencies, and safety measures.

Safe Distances and Places of Refuge

The main potential cause of work zone evacuation is a significant vapor release. Vapor release evacuation will be discussed prior to work at each location and in general will be in the upwind direction. Wind direction will be monitored at each work location and all workers will be notified of the direction of evacuation prior to commencement of work. Safe distances will be discussed at each location and determined by the HSO. The PID will be used to determine if workers have evacuated a sufficient distance.

At all times, vehicles which may be utilized in an emergency for transport to the hospital (or other destination) will have clear access to leave the Site. The HSO will assure that an emergency vehicle does not become blocked-in by other vehicles.

Site Security and Control

The HSO will control entry of personnel into the work zone. No unnecessary person shall be permitted in the work zone.

Decontamination Procedures During Emergencies

In the event of a medical emergency, decontamination will be performed if it does not interfere with essential treatment. Decontamination will be performed by washing, rinsing, and/or cutting off protective clothing and equipment.

If decontamination cannot be performed, the victim will be wrapped in plastic to reduce contamination to other personnel. Emergency and off-Site medical personnel will be alerted to the potential contamination.

Emergency Medical Treatment and First Aid

Medical emergencies will be treated, in general, by medical experts by transporting the victim to the nearby hospital.

A first aid kit will be present on-Site for minor medical treatment.

ATTACHMENT A

EMERGENCY TELEPHONE NUMBERS, CONTACT PERSONNEL, AND DIRECTIONS FROM THE SITE TO THE HOSPITAL

TABLE A.1

Emergency Telephone Numbers

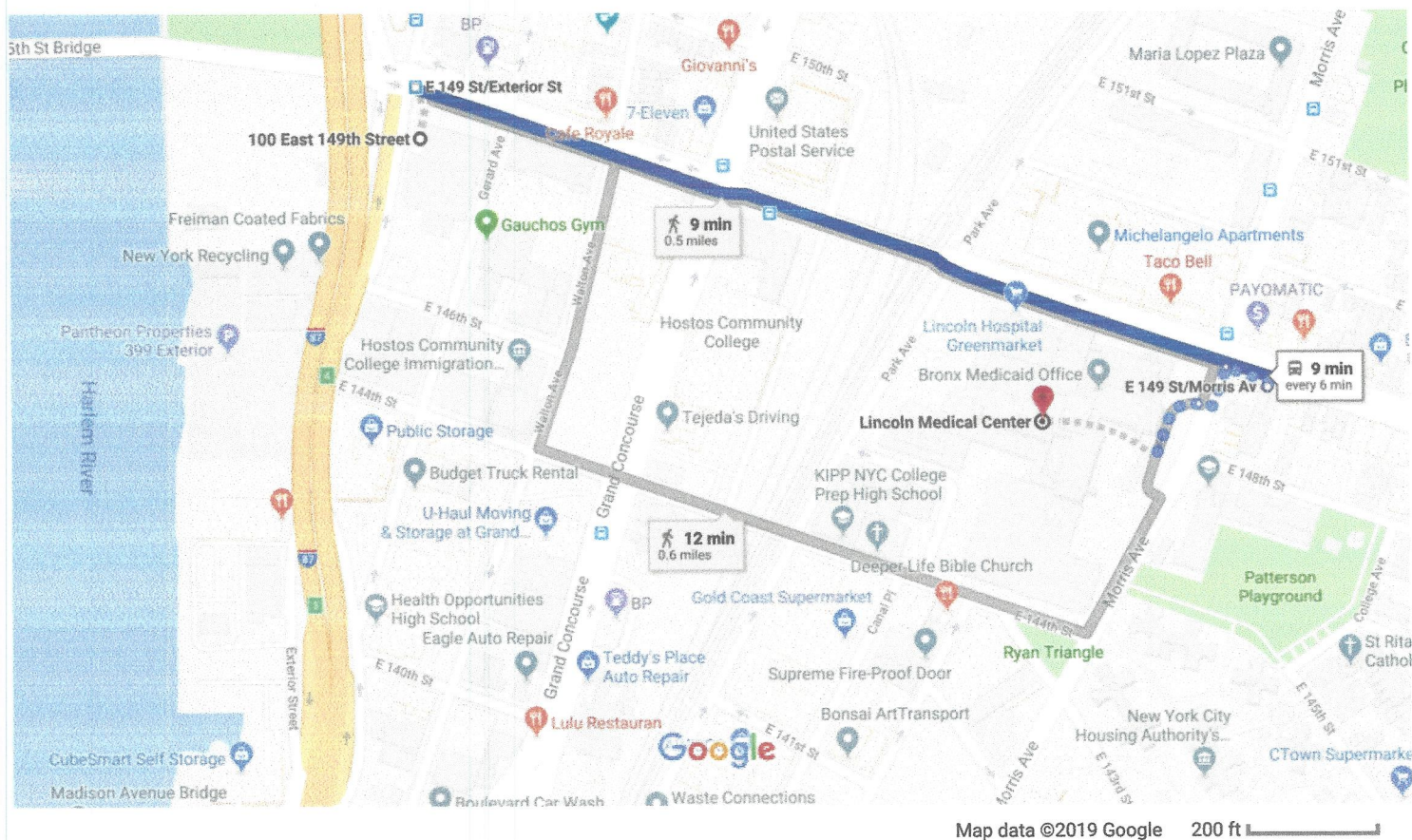
New York City Police	911
Ambulance	911
Poison Control Center Hotline	1-800-222-1222
New York State Department of Health	1-800-505-5678
N.Y.S. Department of Environmental Conservation Spill Hotline	1-800-457-7362
Lincoln Medical Center and Medical Center Emergency	718-579-5000

Contact Personnel

James Mulvey (cell) 631-745-7581
(off) 631-727-2700

Directions to Lincoln Medical Center

Lincoln Medial Center is located 1,500 feet to the east of the Site at 234 E. 149th St. Lincoln Medial Center is located on the southwest corner of the intersection of 100 E. 149th St. and Morris Ave. The phone number is 631-789-7421. A map/directions to the hospital are included in the following page.





Gabrielle Castro <gabriellecastro@touchstoneenvironmental.com>

Fwd: 100 East 149th Street, Bronx, New York NYSDEC Spill No. 18-10498

Rachel Ataman <rachelataman@gmail.com>

Thu, Oct 8, 2020 at 10:35 AM

To: Gabrielle Castro <gabriellecastro@touchstoneenvironmental.com>

see below.

----- Forwarded message -----

From: **Patel, Hiralkumar R (DEC)** <hiralkumar.patel@dec.ny.gov>

Date: Fri, Sep 25, 2020 at 1:24 PM

Subject: Re: **100 East 149th Street, Bronx, New York NYSDEC Spill No. 18-10498**

To: Rachel Ataman <rachelataman@gmail.com>

Hello Rachel,

Please submit update on this project. Also provide property owner's name/number/email address.

Thanks

From: Patel, Hiralkumar R (DEC) <hiralkumar.patel@dec.ny.gov>**Sent:** Tuesday, August 18, 2020 8:28 AM**To:** Rachel Ataman <rachelataman@gmail.com>**Subject:** Re: **100 East 149th Street, Bronx, New York NYSDEC Spill No. 18-10498**

Hello Rachel,

The proposed scope looks fine. Please send me a site plan with proposed well locations.

Thanks

From: Rachel Ataman <rachelataman@gmail.com>**Sent:** Monday, August 10, 2020 1:30 PM**To:** Patel, Hiralkumar R (DEC) <hiralkumar.patel@dec.ny.gov>**Subject:** Fwd: **100 East 149th Street, Bronx, New York NYSDEC Spill No. 18-10498**

ATTENTION: This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.

Hi Kumar,

I went to the site last week. I located two of the wells but they were damaged and two of the wells I could not locate at all.

I think we should do a GPR survey and install four new wells. During the well installation I will sample soil until the water table is encountered at about 10 feet below grade. I will collect two soil samples from each probe and one groundwater sample from each well for VOC and SVOC analysis via EPA Method 8260 and EPA Method 8270BN.

What do you think?

Thank you,

Rachel Ataman, PG

----- Forwarded message -----

From: **Rachel Ataman** <rachelataman@gmail.com>

Date: Mon, Aug 3, 2020 at 10:11 AM

Subject: [100 East 149th Street, Bronx, New York](#) NYSDEC Spill No. 18-10498

To: Kumar Patal <hrpatel@gw.dec.state.ny.us>

Hi Kumar,

I hope all is well.

I wanted to talk to you about the above referenced project, 100 East 149th Street in the Bronx. It is Spill No. 18-10498. The spill was being managed by the NYCOER since the site was going to be developed. However, the development plans are canceled and the site will remain a parking lot.

The site appears to have some USTs on it, although the reports are not clear. There also appears to be some impacted soil in the vadose zone and low levels of VOCs in the groundwater.

You can link to a copy of the RIR performed for the OER here:

<https://www.dropbox.com/s/3zvufe50rfhu1ft/2019-05-06.19TMP1170X.RIR%20Phase%20II%20Report.RIR.pdf?dl=0>.

I would like to mobilize an excavator to the site to see if the USTs are there. If they are present then I would like to remove them along with visually impacted and accessible petroleum contaminated soil. Can I submit a RAWP to your office discussing this plan?

If you would like we can discuss further. You can reach me at 631-672-3530.

--

Thank you,

Rachel Ataman, PG

President

Touchstone Environmental Geology, PC

--

Thank you,

Rachel Ataman, PG

--

Thank you,

Rachel Ataman, PG



Spill Incidents Database Search Results

Record Count: 1 Rows: 1 to 1

[Export XLS](#) [Export CSV](#)

	Spill Number	Date Spill Reported	Spill Name	County	City/Town	Address
1.	1810498	01/15/2019	COMMERCIAL	Bronx	BRONX	100 EAST 149TH ST

[Refine This Search](#)

Appendix B
Photographs



Depth to Water Measurement in Sidewalk Well



GPR Survey at Subject Property



Soil Probe Collection at Subject Property



Soil Probe Collection at Subject Property



Soil Probe Collection at Subject Property



Soil Probe Collection at Subject Property



Soil Probe Collection at Subject Property



Soil Probe Collection at Subject Property



Soil Probe Collection at Subject Property



Suspect Manhole Cover at Subject Property



Monitoring Well Location on Public Sidewalk
West of Subject Property



Monitoring Well Installation at Subject Property



Monitoring Well Installation at Subject Property



Monitoring Well Installation at Subject Property



Soil Probe Collection at Subject Property



Monitoring Well Installation at Subject Property



Subject Property Monitoring Well Location



Subject Property Monitoring Well Location



Subject Property Monitoring Well Location



Subject Property Monitoring Well Location

Appendix C
Soil Boring Logs

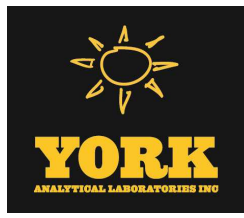
Touchstone Environmental Geology, PC		Soil Probe Log (SP-1)		
Date: 9/15/2020 Location: 100 East 149th Street Bronx, New York Boring No: SP-1 Drilling Method: Direct Push		Total Depth: 15 Sampling Interval: 2.5 Sampling Method: Grab Driller: PG Environmental Depth to Water: Approximately 14 feet		
Depth Below Grade and Lithology	Soil Description	PID Reading (PPM)	USGS Symbol	
0 -2.5	Concrete and Medium Grained Brown Sand	0.0	SW	
5	SAB	0.0	SW	
7.5	Concrete, Gravel, and Medium Grained Brown Sand	0.0	SW	
10	SAB	0.0	SW	
12.5	Moist Medium Grained Brown Sand and Moist Dark Brown Clay	0.0	SW	
15	SAB	0.0	SW	

Touchstone Environmental Geology, PC		Soil Probe Log (SP-2)		
Date: 9/15/2020 Location: 100 East 149th Street Bronx, New York Boring No: SP-2 Drilling Method: Direct Push		Total Depth: 15 Sampling Interval: 2.5 Sampling Method: Grab Driller: PG Environmental Depth to Water: Approximately 14 feet		
Depth Below Grade and Lithology	Soil Description	PID Reading (PPM)	USGS Symbol	
0 -2.5	Concrete and Medium Grained Brown Sand	0.0	SW	
5	SAB	0.0	SW	
7.5	Concrete, Gravel, and Medium Grained Brown Sand	0.0	SW	
10	SAB	0.0	SW	
12.5	Moist Medium Grained Brown Sand and Dark Gray/Black Soil	0.0	SW	
15	SAB with Gray Dirt	0.0	SW	

Touchstone Environmental Geology, PC		Soil Probe Log (SP-3)		
Date: 9/15/2020 Location: 100 East 149th Street Bronx, New York Boring No: SP-3 Drilling Method: Direct Push		Total Depth: 15 Sampling Interval: 2.5 Sampling Method: Grab Driller: PG Environmental Depth to Water: Approximately 14 feet		
Depth Below Grade and Lithology	Soil Description	PID Reading (PPM)	USGS Symbol	
0 -2.5	Concrete and Fill Materials and Medium Grained Brown Sand	0.0	SW	
5	SAB	0.0	SW	
7.5	Medium Grained Brown Sand and Brick Pieces	0.0	SW	
10	SAB	0.0	SW	
12.5	Moist Medium Grained Brown Sand and Dark Gray Soil	0.0	SW	
15	SAB	0.0	SW	

Touchstone Environmental Geology, PC		Soil Probe Log (SP-4)		
Date: 9/15/2020 Location: 100 East 149th Street Bronx, New York Boring No: SP-4 Drilling Method: Direct Push		Total Depth 15 Sampling Interval: 2.5 Sampling Method: Grab Driller: PG Environmental Depth to Water: Approximately 14 feet		
Depth Below Grade and Lithology		Soil Description	PID Reading (PPM)	USGS Symbol
0 -2.5		Concrete and Fill Materials and Medium Grained Brown Sand	0.0	SW
5		SAB	0.0	SW
7.5		Medium Grained Brown Sand and Fill Materials	0.0	SW
10		SAB	0.0	SW
12.5		SAB with Moisture Present	0.0	SW
15		SAB	0.0	SW

Appendix D
Analytical Data



Technical Report

prepared for:

Touchstone Environmental Geology, PC
8 Dolphin Drive
Centereach NY, 11720
Attention: Rachel Ataman

Report Date: 09/23/2020
Client Project ID: 200101 E. 149th St.
York Project (SDG) No.: 2010727

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

120 RESEARCH DRIVE
www.YORKLAB.com

STRATFORD, CT 06615
(203) 325-1371

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

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 09/23/2020
Client Project ID: 200101 E. 149th St.
York Project (SDG) No.: 20I0727

Touchstone Environmental Geology, PC
8 Dolphin Drive
Centereach NY, 11720
Attention: Rachel Ataman

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 September 16, 2020 with a temperature of 4.8 C. The project was identified as your project: **200101 E. 149th St.**

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

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

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

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

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

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
20I0727-01	SP1 2.5-5	Soil	09/15/2020	09/16/2020
20I0727-02	SP1 7.5-10	Soil	09/15/2020	09/16/2020
20I0727-03	SP2 2.5-5	Soil	09/15/2020	09/16/2020
20I0727-04	SP2 12.5-15	Soil	09/15/2020	09/16/2020
20I0727-05	SP3 7.5-10	Soil	09/15/2020	09/16/2020
20I0727-06	SP3 10-12.5	Soil	09/15/2020	09/16/2020
20I0727-07	SP4 5-7.5	Soil	09/15/2020	09/16/2020
20I0727-08	SP4 10-12.5	Soil	09/15/2020	09/16/2020

General Notes for York Project (SDG) No.: 20I0727

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

Approved By:



Benjamin Gulizia
Laboratory Director

Date: 09/23/2020





Sample Information

Client Sample ID: SP1 2.5-5

York Sample ID: 2010727-01

York Project (SDG) No.

2010727

Client Project ID

200101 E. 149th St.

Matrix

Soil

Collection Date/Time

September 15, 2020 12:00 am

Date Received

09/16/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:08	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:08	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:08	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:08	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:08	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:08	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:08	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/17/2020 12:30	09/18/2020 03:08	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/17/2020 12:30	09/18/2020 03:08	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/17/2020 12:30	09/18/2020 03:08	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:08	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:08	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:08	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:08	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:08	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:08	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:08	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:08	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:08	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	48	97	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/17/2020 12:30	09/18/2020 03:08	SS
78-93-3	2-Butanone	16		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:08	SS



Sample Information

Client Sample ID: SP1 2.5-5

York Sample ID: 20I0727-01

York Project (SDG) No.
20I0727

Client Project ID
200101 E. 149th St.

Matrix
Soil

Collection Date/Time
September 15, 2020 12:00 am

Date Received
09/16/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:08	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:08	SS
67-64-1	Acetone	65		ug/kg dry	4.8	9.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:08	SS
107-02-8	Acrolein	ND		ug/kg dry	4.8	9.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:08	SS
107-13-1	Acrylonitrile	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:08	SS
71-43-2	Benzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:08	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/17/2020 12:30	09/18/2020 03:08	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:08	SS
75-25-2	Bromoform	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:08	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:08	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:08	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:08	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:08	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:08	SS
67-66-3	Chloroform	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:08	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:08	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:08	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:08	SS
110-82-7	Cyclohexane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/17/2020 12:30	09/18/2020 03:08	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/17/2020 12:30	09/18/2020 03:08	SS
74-95-3	Dibromomethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/17/2020 12:30	09/18/2020 03:08	SS



Sample Information

Client Sample ID: SP1 2.5-5

York Sample ID: 20I0727-01

York Project (SDG) No.
20I0727

Client Project ID
200101 E. 149th St.

Matrix
Soil

Collection Date/Time
September 15, 2020 12:00 am

Date Received
09/16/2020

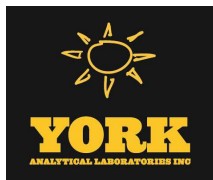
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/17/2020 12:30	09/18/2020 03:08	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:08	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/17/2020 12:30	09/18/2020 03:08	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:08	SS
79-20-9	Methyl acetate	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/17/2020 12:30	09/18/2020 03:08	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:08	SS
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/17/2020 12:30	09/18/2020 03:08	SS
75-09-2	Methylene chloride	ND		ug/kg dry	4.8	9.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:08	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:08	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:08	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/17/2020 12:30	09/18/2020 03:08	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.8	9.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/17/2020 12:30	09/18/2020 03:08	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:08	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:08	SS
100-42-5	Styrene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:08	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/17/2020 12:30	09/18/2020 03:08	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:08	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:08	SS
108-88-3	Toluene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:08	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:08	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:08	SS



Sample Information

Client Sample ID: SP1 2.5-5

York Sample ID: 20I0727-01

York Project (SDG) No.
20I0727

Client Project ID
200101 E. 149th St.

Matrix
Soil

Collection Date/Time
September 15, 2020 12:00 am

Date Received
09/16/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
110-57-6	* trans-1,4-dichloro-2-butene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH	09/17/2020 12:30	09/18/2020 03:08	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:08	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:08	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:08	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	7.2	14	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:08	SS

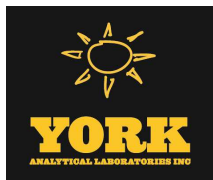
Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/22/2020 22:57	OW
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	09/21/2020 15:03	09/22/2020 22:57	OW
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	09/21/2020 15:03	09/22/2020 22:57	OW
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	09/21/2020 15:03	09/22/2020 22:57	OW
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/22/2020 22:57	OW
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/22/2020 22:57	OW
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/22/2020 22:57	OW
91-57-6	2-Methylnaphthalene	99.8		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/22/2020 22:57	OW
91-94-1	3,3-Dichlorobenzidine	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/22/2020 22:57	OW
99-09-2	3-Nitroaniline	ND		ug/kg dry	94.6	189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/22/2020 22:57	OW
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/22/2020 22:57	OW
106-47-8	4-Chloroaniline	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/22/2020 22:57	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/22/2020 22:57	OW
100-01-6	4-Nitroaniline	ND		ug/kg dry	94.6	189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/22/2020 22:57	OW



Sample Information

Client Sample ID: SP1 2.5-5

York Sample ID: 20I0727-01

York Project (SDG) No.
20I0727

Client Project ID
200101 E. 149th St.

Matrix
Soil

Collection Date/Time
September 15, 2020 12:00 am

Date Received
09/16/2020

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	365		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/22/2020 22:57	OW
208-96-8	Acenaphthylene	128		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/22/2020 22:57	OW
62-53-3	Aniline	ND		ug/kg dry	189	379	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/22/2020 22:57	OW
120-12-7	Anthracene	1170		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/22/2020 22:57	OW
56-55-3	Benzo(a)anthracene	3640		ug/kg dry	237	473	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/23/2020 09:24	OW
50-32-8	Benzo(a)pyrene	4080		ug/kg dry	237	473	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/23/2020 09:24	OW
205-99-2	Benzo(b)fluoranthene	2650		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/22/2020 22:57	OW
191-24-2	Benzo(g,h,i)perylene	2480		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/22/2020 22:57	OW
207-08-9	Benzo(k)fluoranthene	2120		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/22/2020 22:57	OW
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/22/2020 22:57	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/22/2020 22:57	OW
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/22/2020 22:57	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/22/2020 22:57	OW
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/22/2020 22:57	OW
86-74-8	Carbazole	200		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/22/2020 22:57	OW
218-01-9	Chrysene	2960		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/22/2020 22:57	OW
53-70-3	Dibenzo(a,h)anthracene	756		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/22/2020 22:57	OW
132-64-9	Dibenzofuran	201		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/22/2020 22:57	OW
84-66-2	Diethyl phthalate	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/22/2020 22:57	OW
131-11-3	Dimethyl phthalate	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/22/2020 22:57	OW
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/22/2020 22:57	OW
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/22/2020 22:57	OW



Sample Information

Client Sample ID: SP1 2.5-5

York Sample ID: 20I0727-01

York Project (SDG) No.
20I0727

Client Project ID
200101 E. 149th St.

Matrix
Soil

Collection Date/Time
September 15, 2020 12:00 am

Date Received
09/16/2020

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
206-44-0	Fluoranthene	7040		ug/kg dry	237	473	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/23/2020 09:24	OW
86-73-7	Fluorene	409		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/22/2020 22:57	OW
118-74-1	Hexachlorobenzene	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/22/2020 22:57	OW
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/22/2020 22:57	OW
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/22/2020 22:57	OW
67-72-1	Hexachloroethane	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/22/2020 22:57	OW
193-39-5	Indeno(1,2,3-cd)pyrene	2540		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/22/2020 22:57	OW
78-59-1	Isophorone	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/22/2020 22:57	OW
91-20-3	Naphthalene	96.8		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/22/2020 22:57	OW
98-95-3	Nitrobenzene	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/22/2020 22:57	OW
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/22/2020 22:57	OW
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/22/2020 22:57	OW
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	47.4	94.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/22/2020 22:57	OW
85-01-8	Phenanthrene	3960		ug/kg dry	237	473	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/23/2020 09:24	OW
129-00-0	Pyrene	6840		ug/kg dry	237	473	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/23/2020 09:24	OW
110-86-1	Pyridine	ND		ug/kg dry	189	379	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/22/2020 22:57	OW
Surrogate Recoveries		Result	Acceptance Range								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	62.2 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	56.5 %	21-113								
1718-51-0	Surrogate: SURR: Terphenyl-d14	79.4 %	24-116								

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 Certifications: CTDOH	09/18/2020 08:45	09/18/2020 16:27	SK



Sample Information

Client Sample ID: SP1 2.5-5

York Sample ID: 20I0727-01

<u>York Project (SDG) No.</u> 20I0727	<u>Client Project ID</u> 200101 E. 149th St.	<u>Matrix</u> Soil	<u>Collection Date/Time</u> September 15, 2020 12:00 am	<u>Date Received</u> 09/16/2020

Sample Information

Client Sample ID: SP1 7.5-10

York Sample ID: 20I0727-02

<u>York Project (SDG) No.</u> 20I0727	<u>Client Project ID</u> 200101 E. 149th St.	<u>Matrix</u> Soil	<u>Collection Date/Time</u> September 15, 2020 12:00 am	<u>Date Received</u> 09/16/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:36	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:36	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:36	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:36	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:36	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:36	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:36	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/17/2020 12:30	09/18/2020 03:36	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/17/2020 12:30	09/18/2020 03:36	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/17/2020 12:30	09/18/2020 03:36	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:36	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:36	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:36	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:36	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:36	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:36	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:36	SS



Sample Information

Client Sample ID: SP1 7.5-10

York Sample ID: 20I0727-02

York Project (SDG) No.
20I0727

Client Project ID
200101 E. 149th St.

Matrix
Soil

Collection Date/Time
September 15, 2020 12:00 am

Date Received
09/16/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:36	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:36	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	45	91	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/17/2020 12:30	09/18/2020 03:36	SS
78-93-3	2-Butanone	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:36	SS
591-78-6	2-Hexanone	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:36	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:36	SS
67-64-1	Acetone	ND		ug/kg dry	4.5	9.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:36	SS
107-02-8	Acrolein	ND		ug/kg dry	4.5	9.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:36	SS
107-13-1	Acrylonitrile	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:36	SS
71-43-2	Benzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:36	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/17/2020 12:30	09/18/2020 03:36	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:36	SS
75-25-2	Bromoform	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:36	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:36	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:36	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:36	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:36	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:36	SS
67-66-3	Chloroform	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:36	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:36	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:36	SS



Sample Information

Client Sample ID: SP1 7.5-10

York Sample ID: 20I0727-02

York Project (SDG) No.
20I0727

Client Project ID
200101 E. 149th St.

Matrix
Soil

Collection Date/Time
September 15, 2020 12:00 am

Date Received
09/16/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:36	SS
110-82-7	Cyclohexane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/17/2020 12:30	09/18/2020 03:36	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/17/2020 12:30	09/18/2020 03:36	SS
74-95-3	Dibromomethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/17/2020 12:30	09/18/2020 03:36	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/17/2020 12:30	09/18/2020 03:36	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:36	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/17/2020 12:30	09/18/2020 03:36	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:36	SS
79-20-9	Methyl acetate	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/17/2020 12:30	09/18/2020 03:36	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:36	SS
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/17/2020 12:30	09/18/2020 03:36	SS
75-09-2	Methylene chloride	ND		ug/kg dry	4.5	9.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:36	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:36	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:36	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/17/2020 12:30	09/18/2020 03:36	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.5	9.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/17/2020 12:30	09/18/2020 03:36	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:36	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:36	SS
100-42-5	Styrene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:36	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/17/2020 12:30	09/18/2020 03:36	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:36	SS



Sample Information

Client Sample ID: SP1 7.5-10

York Sample ID: 20I0727-02

York Project (SDG) No.
20I0727

Client Project ID
200101 E. 149th St.

Matrix
Soil

Collection Date/Time
September 15, 2020 12:00 am

Date Received
09/16/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:36	SS
108-88-3	Toluene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:36	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:36	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:36	SS
110-57-6	* trans-1,4-dichloro-2-butene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH	09/17/2020 12:30	09/18/2020 03:36	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:36	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:36	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.3	4.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:36	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	6.8	14	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 03:36	SS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	97.3 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	99.1 %			85-120						

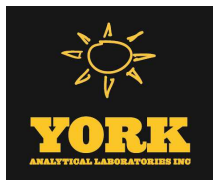
Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	45.9	91.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/22/2020 23:30	OW
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	45.9	91.6	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	09/21/2020 15:03	09/22/2020 23:30	OW
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	45.9	91.6	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	09/21/2020 15:03	09/22/2020 23:30	OW
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	45.9	91.6	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	09/21/2020 15:03	09/22/2020 23:30	OW
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	45.9	91.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/22/2020 23:30	OW
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	45.9	91.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/22/2020 23:30	OW
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	45.9	91.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/22/2020 23:30	OW
91-57-6	2-Methylnaphthalene	618		ug/kg dry	45.9	91.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/22/2020 23:30	OW



Sample Information

Client Sample ID: SP1 7.5-10

York Sample ID: 20I0727-02

York Project (SDG) No.
20I0727

Client Project ID
200101 E. 149th St.

Matrix
Soil

Collection Date/Time
September 15, 2020 12:00 am

Date Received
09/16/2020

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-94-1	3,3-Dichlorobenzidine	ND		ug/kg dry	45.9	91.6	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/22/2020 23:30	OW
99-09-2	3-Nitroaniline	ND		ug/kg dry	91.6	183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/22/2020 23:30	OW
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	45.9	91.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/22/2020 23:30	OW
106-47-8	4-Chloroaniline	ND		ug/kg dry	45.9	91.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/22/2020 23:30	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	45.9	91.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/22/2020 23:30	OW
100-01-6	4-Nitroaniline	ND		ug/kg dry	91.6	183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/22/2020 23:30	OW
83-32-9	Acenaphthene	2000		ug/kg dry	45.9	91.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/22/2020 23:30	OW
208-96-8	Acenaphthylene	63.7	J	ug/kg dry	45.9	91.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/22/2020 23:30	OW
62-53-3	Aniline	ND		ug/kg dry	183	367	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/22/2020 23:30	OW
120-12-7	Anthracene	5210		ug/kg dry	459	916	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/23/2020 09:57	OW
56-55-3	Benzo(a)anthracene	6950		ug/kg dry	459	916	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/23/2020 09:57	OW
50-32-8	Benzo(a)pyrene	6610		ug/kg dry	459	916	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/23/2020 09:57	OW
205-99-2	Benzo(b)fluoranthene	4970		ug/kg dry	459	916	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/23/2020 09:57	OW
191-24-2	Benzo(g,h,i)perylene	4240		ug/kg dry	459	916	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/23/2020 09:57	OW
207-08-9	Benzo(k)fluoranthene	4700		ug/kg dry	459	916	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/23/2020 09:57	OW
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	45.9	91.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/22/2020 23:30	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	45.9	91.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/22/2020 23:30	OW
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	45.9	91.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/22/2020 23:30	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	45.9	91.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/22/2020 23:30	OW
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	45.9	91.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/22/2020 23:30	OW
86-74-8	Carbazole	989		ug/kg dry	45.9	91.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/22/2020 23:30	OW
218-01-9	Chrysene	5940		ug/kg dry	459	916	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/23/2020 09:57	OW



Sample Information

Client Sample ID: SP1 7.5-10

York Sample ID: 20I0727-02

York Project (SDG) No.
20I0727

Client Project ID
200101 E. 149th St.

Matrix
Soil

Collection Date/Time
September 15, 2020 12:00 am

Date Received
09/16/2020

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
53-70-3	Dibenzo(a,h)anthracene	1050		ug/kg dry	45.9	91.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/22/2020 23:30	OW
132-64-9	Dibenzofuran	1390		ug/kg dry	45.9	91.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/22/2020 23:30	OW
84-66-2	Diethyl phthalate	ND		ug/kg dry	45.9	91.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/22/2020 23:30	OW
131-11-3	Dimethyl phthalate	ND		ug/kg dry	45.9	91.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/22/2020 23:30	OW
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	45.9	91.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/22/2020 23:30	OW
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	45.9	91.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/22/2020 23:30	OW
206-44-0	Fluoranthene	18700		ug/kg dry	459	916	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/23/2020 09:57	OW
86-73-7	Fluorene	2150		ug/kg dry	45.9	91.6	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/22/2020 23:30	OW
118-74-1	Hexachlorobenzene	ND		ug/kg dry	45.9	91.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/22/2020 23:30	OW
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	45.9	91.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/22/2020 23:30	OW
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	45.9	91.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/22/2020 23:30	OW
67-72-1	Hexachloroethane	ND		ug/kg dry	45.9	91.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/22/2020 23:30	OW
193-39-5	Indeno(1,2,3-cd)pyrene	4540		ug/kg dry	459	916	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/23/2020 09:57	OW
78-59-1	Isophorone	ND		ug/kg dry	45.9	91.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/22/2020 23:30	OW
91-20-3	Naphthalene	564		ug/kg dry	45.9	91.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/22/2020 23:30	OW
98-95-3	Nitrobenzene	ND		ug/kg dry	45.9	91.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/22/2020 23:30	OW
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	45.9	91.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/22/2020 23:30	OW
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	45.9	91.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/22/2020 23:30	OW
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	45.9	91.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/22/2020 23:30	OW
85-01-8	Phenanthrene	21300		ug/kg dry	459	916	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/23/2020 09:57	OW
129-00-0	Pyrene	16600		ug/kg dry	459	916	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/23/2020 09:57	OW
110-86-1	Pyridine	ND		ug/kg dry	183	367	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/21/2020 15:03	09/22/2020 23:30	OW



Sample Information

Client Sample ID: SP1 7.5-10

York Sample ID: 20I0727-02

York Project (SDG) No.
20I0727

Client Project ID
200101 E. 149th St.

Matrix
Soil

Collection Date/Time
September 15, 2020 12:00 am

Date Received
09/16/2020

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
Surrogate Recoveries		Result		Acceptance Range							
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	69.9 %				22-108					
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	65.8 %				21-113					
1718-51-0	Surrogate: SURR: Terphenyl-d14	98.2 %				24-116					

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 Certifications: CTDOH	09/18/2020 08:49	09/18/2020 16:39	SK

Sample Information

Client Sample ID: SP2 2.5-5

York Sample ID: 20I0727-03

York Project (SDG) No.
20I0727

Client Project ID
200101 E. 149th St.

Matrix
Soil

Collection Date/Time
September 15, 2020 12:00 am

Date Received
09/16/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	420	830	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 15:58	SS
71-55-6	1,1,1-Trichloroethane	ND	IS-HI	ug/kg dry	420	830	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 15:58	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	420	830	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 15:58	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	IS-HI	ug/kg dry	420	830	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 15:58	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	420	830	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 15:58	SS
75-34-3	1,1-Dichloroethane	ND	IS-HI	ug/kg dry	420	830	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 15:58	SS
75-35-4	1,1-Dichloroethylene	ND	IS-HI	ug/kg dry	420	830	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 15:58	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	420	830	200	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/18/2020 09:30	09/18/2020 15:58	SS



Sample Information

Client Sample ID: SP2 2.5-5

York Sample ID: 20I0727-03

York Project (SDG) No.
20I0727

Client Project ID
200101 E. 149th St.

Matrix
Soil

Collection Date/Time
September 15, 2020 12:00 am

Date Received
09/16/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	420	830	200	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/18/2020 09:30	09/18/2020 15:58	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	420	830	200	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/18/2020 09:30	09/18/2020 15:58	SS
95-63-6	1,2,4-Trimethylbenzene	1600		ug/kg dry	420	830	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 15:58	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	420	830	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 15:58	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	420	830	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 15:58	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	420	830	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 15:58	SS
107-06-2	1,2-Dichloroethane	ND	IS-HI	ug/kg dry	420	830	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 15:58	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	420	830	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 15:58	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	420	830	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 15:58	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	420	830	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 15:58	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	420	830	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 15:58	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	8300	17000	200	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/18/2020 09:30	09/18/2020 15:58	SS
78-93-3	2-Butanone	ND	IS-HI	ug/kg dry	420	830	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 15:58	SS
591-78-6	2-Hexanone	ND		ug/kg dry	420	830	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 15:58	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	420	830	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 15:58	SS
67-64-1	Acetone	ND	IS-HI	ug/kg dry	830	1700	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 15:58	SS
107-02-8	Acrolein	ND	IS-HI	ug/kg dry	830	1700	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 15:58	SS
107-13-1	Acrylonitrile	ND	IS-HI	ug/kg dry	420	830	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 15:58	SS
71-43-2	Benzene	ND	IS-HI	ug/kg dry	420	830	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 15:58	SS
74-97-5	Bromochloromethane	ND	IS-HI	ug/kg dry	420	830	200	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/18/2020 09:30	09/18/2020 15:58	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	420	830	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 15:58	SS



Sample Information

Client Sample ID: SP2 2.5-5

York Sample ID: 20I0727-03

York Project (SDG) No.
20I0727

Client Project ID
200101 E. 149th St.

Matrix
Soil

Collection Date/Time
September 15, 2020 12:00 am

Date Received
09/16/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-25-2	Bromoform	ND		ug/kg dry	420	830	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 15:58	SS
74-83-9	Bromomethane	ND	IS-HI	ug/kg dry	420	830	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 15:58	SS
75-15-0	Carbon disulfide	ND	IS-HI	ug/kg dry	420	830	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 15:58	SS
56-23-5	Carbon tetrachloride	ND	IS-HI	ug/kg dry	420	830	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 15:58	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	420	830	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 15:58	SS
75-00-3	Chloroethane	ND	IS-HI	ug/kg dry	420	830	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 15:58	SS
67-66-3	Chloroform	ND	IS-HI	ug/kg dry	420	830	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 15:58	SS
74-87-3	Chloromethane	ND	IS-HI	ug/kg dry	420	830	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 15:58	SS
156-59-2	cis-1,2-Dichloroethylene	ND	IS-HI	ug/kg dry	420	830	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 15:58	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	420	830	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 15:58	SS
110-82-7	Cyclohexane	ND	IS-HI	ug/kg dry	420	830	200	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/18/2020 09:30	09/18/2020 15:58	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	420	830	200	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/18/2020 09:30	09/18/2020 15:58	SS
74-95-3	Dibromomethane	ND		ug/kg dry	420	830	200	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/18/2020 09:30	09/18/2020 15:58	SS
75-71-8	Dichlorodifluoromethane	ND	IS-HI	ug/kg dry	420	830	200	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/18/2020 09:30	09/18/2020 15:58	SS
100-41-4	Ethyl Benzene	7500		ug/kg dry	420	830	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 15:58	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	420	830	200	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/18/2020 09:30	09/18/2020 15:58	SS
98-82-8	Isopropylbenzene	4000		ug/kg dry	420	830	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 15:58	SS
79-20-9	Methyl acetate	ND	IS-HI	ug/kg dry	420	830	200	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/18/2020 09:30	09/18/2020 15:58	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	IS-HI	ug/kg dry	420	830	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 15:58	SS
108-87-2	Methylcyclohexane	120000		ug/kg dry	4200	8300	2000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/22/2020 09:30	09/22/2020 11:32	SS
75-09-2	Methylene chloride	ND	IS-HI	ug/kg dry	830	1700	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 15:58	SS
104-51-8	n-Butylbenzene	6400		ug/kg dry	420	830	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 15:58	SS



Sample Information

Client Sample ID: SP2 2.5-5

York Sample ID: 20I0727-03

York Project (SDG) No.
20I0727

Client Project ID
200101 E. 149th St.

Matrix
Soil

Collection Date/Time
September 15, 2020 12:00 am

Date Received
09/16/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
103-65-1	n-Propylbenzene	15000		ug/kg dry	420	830	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 15:58	SS
95-47-6	o-Xylene	560	J	ug/kg dry	420	830	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/18/2020 09:30	09/18/2020 15:58	SS
179601-23-1	p- & m- Xylenes	2800		ug/kg dry	830	1700	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/18/2020 09:30	09/18/2020 15:58	SS
99-87-6	p-Isopropyltoluene	520	J	ug/kg dry	420	830	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 15:58	SS
135-98-8	sec-Butylbenzene	3500		ug/kg dry	420	830	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 15:58	SS
100-42-5	Styrene	ND		ug/kg dry	420	830	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 15:58	SS
75-65-0	tert-Butyl alcohol (TBA)	ND	IS-HI	ug/kg dry	420	4200	200	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/18/2020 09:30	09/18/2020 15:58	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	420	830	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 15:58	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	420	830	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 15:58	SS
108-88-3	Toluene	1100		ug/kg dry	420	830	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 15:58	SS
156-60-5	trans-1,2-Dichloroethylene	ND	IS-HI	ug/kg dry	420	830	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 15:58	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	420	830	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 15:58	SS
110-57-6	* trans-1,4-dichloro-2-butene	ND		ug/kg dry	420	830	200	EPA 8260C Certifications: CTDOH	09/18/2020 09:30	09/18/2020 15:58	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	420	830	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 15:58	SS
75-69-4	Trichlorofluoromethane	ND	IS-HI	ug/kg dry	420	830	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 15:58	SS
75-01-4	Vinyl Chloride	ND	IS-HI	ug/kg dry	420	830	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 15:58	SS
1330-20-7	Xylenes, Total	3400		ug/kg dry	1300	2500	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 15:58	SS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	27.6 %	S-03		77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	94.9 %			85-120						

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

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



Sample Information

Client Sample ID: SP2 2.5-5

York Sample ID: 20I0727-03

York Project (SDG) No.
20I0727

Client Project ID
200101 E. 149th St.

Matrix
Soil

Collection Date/Time
September 15, 2020 12:00 am

Date Received
09/16/2020

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	48.5	96.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 22:57	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	48.5	96.9	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	09/22/2020 07:26	09/22/2020 22:57	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	48.5	96.9	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	09/22/2020 07:26	09/22/2020 22:57	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	48.5	96.9	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	09/22/2020 07:26	09/22/2020 22:57	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	48.5	96.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 22:57	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	48.5	96.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 22:57	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	48.5	96.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 22:57	KH
91-57-6	2-Methylnaphthalene	231		ug/kg dry	48.5	96.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 22:57	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/kg dry	48.5	96.9	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 22:57	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	96.9	194	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 22:57	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	48.5	96.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 22:57	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	48.5	96.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 22:57	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	48.5	96.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 22:57	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	96.9	194	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 22:57	KH
83-32-9	Acenaphthene	ND		ug/kg dry	48.5	96.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 22:57	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	48.5	96.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 22:57	KH
62-53-3	Aniline	ND		ug/kg dry	194	388	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 22:57	KH
120-12-7	Anthracene	ND		ug/kg dry	48.5	96.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 22:57	KH
56-55-3	Benzo(a)anthracene	58.8	J	ug/kg dry	48.5	96.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 22:57	KH
50-32-8	Benzo(a)pyrene	87.5	J	ug/kg dry	48.5	96.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 22:57	KH
205-99-2	Benzo(b)fluoranthene	79.0	J	ug/kg dry	48.5	96.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 22:57	KH



Sample Information

Client Sample ID: SP2 2.5-5

York Sample ID: 20I0727-03

York Project (SDG) No.
20I0727

Client Project ID
200101 E. 149th St.

Matrix
Soil

Collection Date/Time
September 15, 2020 12:00 am

Date Received
09/16/2020

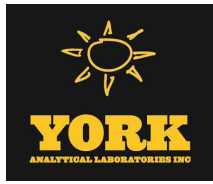
Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
191-24-2	Benzo(g,h,i)perylene	75.9	J	ug/kg dry	48.5	96.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 22:57	KH
207-08-9	Benzo(k)fluoranthene	59.6	J	ug/kg dry	48.5	96.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 22:57	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	48.5	96.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 22:57	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	48.5	96.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 22:57	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	48.5	96.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 22:57	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	48.5	96.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 22:57	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	48.5	96.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 22:57	KH
86-74-8	Carbazole	ND		ug/kg dry	48.5	96.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 22:57	KH
218-01-9	Chrysene	70.5	J	ug/kg dry	48.5	96.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 22:57	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	48.5	96.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 22:57	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	48.5	96.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 22:57	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	48.5	96.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 22:57	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	48.5	96.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 22:57	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	48.5	96.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 22:57	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	48.5	96.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 22:57	KH
206-44-0	Fluoranthene	123		ug/kg dry	48.5	96.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 22:57	KH
86-73-7	Fluorene	ND		ug/kg dry	48.5	96.9	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 22:57	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	48.5	96.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 22:57	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	48.5	96.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 22:57	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	48.5	96.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 22:57	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	48.5	96.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 22:57	KH
193-39-5	Indeno(1,2,3-cd)pyrene	73.6	J	ug/kg dry	48.5	96.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 22:57	KH



Sample Information

Client Sample ID: SP2 2.5-5

York Sample ID: 20I0727-03

York Project (SDG) No.

20I0727

Client Project ID

200101 E. 149th St.

Matrix

Soil

Collection Date/Time

September 15, 2020 12:00 am

Date Received

09/16/2020

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-59-1	Isophorone	ND		ug/kg dry	48.5	96.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 22:57	KH
91-20-3	Naphthalene	316		ug/kg dry	48.5	96.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 22:57	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	48.5	96.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 22:57	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	48.5	96.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 22:57	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	48.5	96.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 22:57	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	48.5	96.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 22:57	KH
85-01-8	Phenanthrene	110		ug/kg dry	48.5	96.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 22:57	KH
129-00-0	Pyrene	132		ug/kg dry	48.5	96.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 22:57	KH
110-86-1	Pyridine	ND		ug/kg dry	194	388	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 22:57	KH
Surrogate Recoveries		Result	Acceptance Range								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	73.7 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	76.9 %	21-113								
1718-51-0	Surrogate: SURR: Terphenyl-d14	86.4 %	24-116								

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	84.7		%	0.100	1	SM 2540G Certifications: CTDOH	09/18/2020 08:49	09/18/2020 16:39	SK

Sample Information

Client Sample ID: SP2 12.5-15

York Sample ID: 20I0727-04

York Project (SDG) No.

20I0727

Client Project ID

200101 E. 149th St.

Matrix

Soil

Collection Date/Time

September 15, 2020 12:00 am

Date Received

09/16/2020



Sample Information

Client Sample ID: SP2 12.5-15

York Sample ID: 20I0727-04

York Project (SDG) No.
20I0727

Client Project ID
200101 E. 149th St.

Matrix
Soil

Collection Date/Time
September 15, 2020 12:00 am

Date Received
09/16/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:24	SS
71-55-6	1,1,1-Trichloroethane	ND	IS-HI	ug/kg dry	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:24	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:24	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	IS-HI	ug/kg dry	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:24	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:24	SS
75-34-3	1,1-Dichloroethane	ND	IS-HI	ug/kg dry	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:24	SS
75-35-4	1,1-Dichloroethylene	ND	IS-HI	ug/kg dry	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:24	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	250	500	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/18/2020 09:30	09/18/2020 16:24	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	250	500	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/18/2020 09:30	09/18/2020 16:24	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	250	500	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/18/2020 09:30	09/18/2020 16:24	SS
95-63-6	1,2,4-Trimethylbenzene	36000	E	ug/kg dry	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/22/2020 09:30	09/22/2020 11:59	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:24	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:24	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:24	SS
107-06-2	1,2-Dichloroethane	ND	IS-HI	ug/kg dry	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:24	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:24	SS
108-67-8	1,3,5-Trimethylbenzene	15000		ug/kg dry	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:24	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:24	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:24	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	5000	9900	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/18/2020 09:30	09/18/2020 16:24	SS
78-93-3	2-Butanone	ND	IS-HI	ug/kg dry	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:24	SS



Sample Information

Client Sample ID: SP2 12.5-15

York Sample ID: 20I0727-04

York Project (SDG) No.
20I0727

Client Project ID
200101 E. 149th St.

Matrix
Soil

Collection Date/Time
September 15, 2020 12:00 am

Date Received
09/16/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/kg dry	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:24	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:24	SS
67-64-1	Acetone	ND	IS-HI	ug/kg dry	500	990	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:24	SS
107-02-8	Acrolein	ND	IS-HI	ug/kg dry	500	990	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:24	SS
107-13-1	Acrylonitrile	ND	IS-HI	ug/kg dry	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:24	SS
71-43-2	Benzene	960	IS-HI	ug/kg dry	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:24	SS
74-97-5	Bromochloromethane	ND	IS-HI	ug/kg dry	250	500	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/18/2020 09:30	09/18/2020 16:24	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:24	SS
75-25-2	Bromoform	ND		ug/kg dry	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:24	SS
74-83-9	Bromomethane	ND	IS-HI	ug/kg dry	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:24	SS
75-15-0	Carbon disulfide	ND	IS-HI	ug/kg dry	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:24	SS
56-23-5	Carbon tetrachloride	ND	IS-HI	ug/kg dry	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:24	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:24	SS
75-00-3	Chloroethane	ND	IS-HI	ug/kg dry	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:24	SS
67-66-3	Chloroform	ND	IS-HI	ug/kg dry	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:24	SS
74-87-3	Chloromethane	ND	IS-HI	ug/kg dry	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:24	SS
156-59-2	cis-1,2-Dichloroethylene	ND	IS-HI	ug/kg dry	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:24	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:24	SS
110-82-7	Cyclohexane	8900	IS-HI	ug/kg dry	250	500	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/18/2020 09:30	09/18/2020 16:24	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	250	500	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/18/2020 09:30	09/18/2020 16:24	SS
74-95-3	Dibromomethane	ND		ug/kg dry	250	500	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/18/2020 09:30	09/18/2020 16:24	SS
75-71-8	Dichlorodifluoromethane	ND	IS-HI	ug/kg dry	250	500	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/18/2020 09:30	09/18/2020 16:24	SS



Sample Information

Client Sample ID: SP2 12.5-15

York Sample ID: 20I0727-04

York Project (SDG) No.
20I0727

Client Project ID
200101 E. 149th St.

Matrix
Soil

Collection Date/Time
September 15, 2020 12:00 am

Date Received
09/16/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	17000		ug/kg dry	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:24	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	250	500	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/18/2020 09:30	09/18/2020 16:24	SS
98-82-8	Isopropylbenzene	2000		ug/kg dry	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:24	SS
79-20-9	Methyl acetate	ND	IS-HI	ug/kg dry	250	500	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/18/2020 09:30	09/18/2020 16:24	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	IS-HI	ug/kg dry	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:24	SS
108-87-2	Methylcyclohexane	36000	E	ug/kg dry	250	500	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/22/2020 09:30	09/22/2020 11:59	SS
75-09-2	Methylene chloride	ND	IS-HI	ug/kg dry	500	990	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:24	SS
104-51-8	n-Butylbenzene	1500		ug/kg dry	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:24	SS
103-65-1	n-Propylbenzene	6900		ug/kg dry	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:24	SS
95-47-6	o-Xylene	7300		ug/kg dry	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/18/2020 09:30	09/18/2020 16:24	SS
179601-23-1	p- & m- Xylenes	29000		ug/kg dry	500	990	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/18/2020 09:30	09/18/2020 16:24	SS
99-87-6	p-Isopropyltoluene	1000		ug/kg dry	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:24	SS
135-98-8	sec-Butylbenzene	700		ug/kg dry	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:24	SS
100-42-5	Styrene	ND		ug/kg dry	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:24	SS
75-65-0	tert-Butyl alcohol (TBA)	ND	IS-HI	ug/kg dry	250	2500	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/18/2020 09:30	09/18/2020 16:24	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:24	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:24	SS
108-88-3	Toluene	2400		ug/kg dry	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:24	SS
156-60-5	trans-1,2-Dichloroethylene	ND	IS-HI	ug/kg dry	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:24	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:24	SS
110-57-6	* trans-1,4-dichloro-2-butene	ND		ug/kg dry	250	500	100	EPA 8260C Certifications: CTDOH	09/18/2020 09:30	09/18/2020 16:24	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:24	SS



Sample Information

Client Sample ID: SP2 12.5-15

York Sample ID: 20I0727-04

York Project (SDG) No.
20I0727

Client Project ID
200101 E. 149th St.

Matrix
Soil

Collection Date/Time
September 15, 2020 12:00 am

Date Received
09/16/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND	IS-HI	ug/kg dry	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:24	SS
75-01-4	Vinyl Chloride	ND	IS-HI	ug/kg dry	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:24	SS
1330-20-7	Xylenes, Total	36000		ug/kg dry	750	1500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:24	SS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	28.9 %	S-03		77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	94.4 %			85-120						

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	244	486	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 23:26	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	244	486	10	EPA 8270D Certifications: NELAC-NY10854,PADEP	09/22/2020 07:26	09/22/2020 23:26	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	244	486	10	EPA 8270D Certifications: NELAC-NY10854,PADEP	09/22/2020 07:26	09/22/2020 23:26	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	244	486	10	EPA 8270D Certifications: NELAC-NY10854,PADEP	09/22/2020 07:26	09/22/2020 23:26	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	244	486	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 23:26	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	244	486	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 23:26	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	244	486	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 23:26	KH
91-57-6	2-Methylnaphthalene	44000		ug/kg dry	1220	2430	50	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 10:16	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/kg dry	244	486	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 23:26	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	486	971	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 23:26	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	244	486	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 23:26	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	244	486	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 23:26	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	244	486	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 23:26	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	486	971	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 23:26	KH



Sample Information

Client Sample ID: SP2 12.5-15

York Sample ID: 20I0727-04

York Project (SDG) No.
20I0727

Client Project ID
200101 E. 149th St.

Matrix
Soil

Collection Date/Time
September 15, 2020 12:00 am

Date Received
09/16/2020

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	365	J	ug/kg dry	244	486	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 23:26	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	244	486	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 23:26	KH
62-53-3	Aniline	ND		ug/kg dry	973	1950	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 23:26	KH
120-12-7	Anthracene	637		ug/kg dry	244	486	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 23:26	KH
56-55-3	Benzo(a)anthracene	1800		ug/kg dry	244	486	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 23:26	KH
50-32-8	Benzo(a)pyrene	2170		ug/kg dry	244	486	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 23:26	KH
205-99-2	Benzo(b)fluoranthene	1690		ug/kg dry	244	486	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 23:26	KH
191-24-2	Benzo(g,h,i)perylene	1550		ug/kg dry	244	486	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 23:26	KH
207-08-9	Benzo(k)fluoranthene	1550		ug/kg dry	244	486	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 23:26	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	244	486	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 23:26	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	244	486	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 23:26	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	244	486	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 23:26	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	244	486	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 23:26	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	244	486	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 23:26	KH
86-74-8	Carbazole	245	J	ug/kg dry	244	486	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 23:26	KH
218-01-9	Chrysene	2020		ug/kg dry	244	486	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 23:26	KH
53-70-3	Dibenzo(a,h)anthracene	478	J	ug/kg dry	244	486	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 23:26	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	244	486	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 23:26	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	244	486	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 23:26	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	244	486	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 23:26	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	244	486	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 23:26	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	244	486	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 23:26	KH



Sample Information

Client Sample ID: SP2 12.5-15

York Sample ID: 2010727-04

York Project (SDG) No.
2010727

Client Project ID
200101 E. 149th St.

Matrix
Soil

Collection Date/Time
September 15, 2020 12:00 am

Date Received
09/16/2020

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
206-44-0	Fluoranthene	3480		ug/kg dry	244	486	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 23:26	KH
86-73-7	Fluorene	474	J	ug/kg dry	244	486	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 23:26	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	244	486	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 23:26	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	244	486	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 23:26	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	244	486	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 23:26	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	244	486	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 23:26	KH
193-39-5	Indeno(1,2,3-cd)pyrene	1550		ug/kg dry	244	486	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 23:26	KH
78-59-1	Isophorone	ND		ug/kg dry	244	486	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 23:26	KH
91-20-3	Naphthalene	50800		ug/kg dry	1220	2430	50	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 10:16	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	244	486	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 23:26	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	244	486	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 23:26	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	244	486	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 23:26	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	244	486	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 23:26	KH
85-01-8	Phenanthrene	2640		ug/kg dry	244	486	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 23:26	KH
129-00-0	Pyrene	3690		ug/kg dry	244	486	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 23:26	KH
110-86-1	Pyridine	ND		ug/kg dry	973	1950	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 23:26	KH
Surrogate Recoveries		Result	Acceptance Range								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	46.0 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	70.0 %	21-113								
1718-51-0	Surrogate: SURR: Terphenyl-d14	74.0 %	24-116								

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	09/18/2020 08:49	09/18/2020 16:39	SK



Sample Information

Client Sample ID: SP2 12.5-15

York Sample ID: 20I0727-04

<u>York Project (SDG) No.</u> 20I0727	<u>Client Project ID</u> 200101 E. 149th St.	<u>Matrix</u> Soil	<u>Collection Date/Time</u> September 15, 2020 12:00 am	<u>Date Received</u> 09/16/2020

Sample Information

Client Sample ID: SP3 7.5-10

York Sample ID: 20I0727-05

<u>York Project (SDG) No.</u> 20I0727	<u>Client Project ID</u> 200101 E. 149th St.	<u>Matrix</u> Soil	<u>Collection Date/Time</u> September 15, 2020 12:00 am	<u>Date Received</u> 09/16/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 04:59	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 04:59	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 04:59	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 04:59	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 04:59	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 04:59	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 04:59	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/17/2020 12:30	09/18/2020 04:59	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/17/2020 12:30	09/18/2020 04:59	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/17/2020 12:30	09/18/2020 04:59	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 04:59	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 04:59	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 04:59	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 04:59	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 04:59	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 04:59	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 04:59	SS



Sample Information

Client Sample ID: SP3 7.5-10

York Sample ID: 20I0727-05

York Project (SDG) No.
20I0727

Client Project ID
200101 E. 149th St.

Matrix
Soil

Collection Date/Time
September 15, 2020 12:00 am

Date Received
09/16/2020

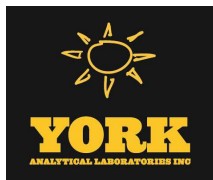
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 04:59	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 04:59	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	66	130	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/17/2020 12:30	09/18/2020 04:59	SS
78-93-3	2-Butanone	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 04:59	SS
591-78-6	2-Hexanone	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 04:59	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 04:59	SS
67-64-1	Acetone	26		ug/kg dry	6.6	13	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 04:59	SS
107-02-8	Acrolein	ND		ug/kg dry	6.6	13	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 04:59	SS
107-13-1	Acrylonitrile	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 04:59	SS
71-43-2	Benzene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 04:59	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/17/2020 12:30	09/18/2020 04:59	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 04:59	SS
75-25-2	Bromoform	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 04:59	SS
74-83-9	Bromomethane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 04:59	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 04:59	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 04:59	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 04:59	SS
75-00-3	Chloroethane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 04:59	SS
67-66-3	Chloroform	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 04:59	SS
74-87-3	Chloromethane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 04:59	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 04:59	SS



Sample Information

Client Sample ID: SP3 7.5-10

York Sample ID: 20I0727-05

York Project (SDG) No.
20I0727

Client Project ID
200101 E. 149th St.

Matrix
Soil

Collection Date/Time
September 15, 2020 12:00 am

Date Received
09/16/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 04:59	SS
110-82-7	Cyclohexane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/17/2020 12:30	09/18/2020 04:59	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/17/2020 12:30	09/18/2020 04:59	SS
74-95-3	Dibromomethane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/17/2020 12:30	09/18/2020 04:59	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/17/2020 12:30	09/18/2020 04:59	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 04:59	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/17/2020 12:30	09/18/2020 04:59	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 04:59	SS
79-20-9	Methyl acetate	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/17/2020 12:30	09/18/2020 04:59	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 04:59	SS
108-87-2	Methylcyclohexane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/17/2020 12:30	09/18/2020 04:59	SS
75-09-2	Methylene chloride	ND		ug/kg dry	6.6	13	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 04:59	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 04:59	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 04:59	SS
95-47-6	o-Xylene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/17/2020 12:30	09/18/2020 04:59	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	6.6	13	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/17/2020 12:30	09/18/2020 04:59	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 04:59	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 04:59	SS
100-42-5	Styrene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 04:59	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/17/2020 12:30	09/18/2020 04:59	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 04:59	SS



Sample Information

Client Sample ID: SP3 7.5-10

York Sample ID: 20I0727-05

York Project (SDG) No.
20I0727

Client Project ID
200101 E. 149th St.

Matrix
Soil

Collection Date/Time
September 15, 2020 12:00 am

Date Received
09/16/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 04:59	SS
108-88-3	Toluene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 04:59	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 04:59	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 04:59	SS
110-57-6	* trans-1,4-dichloro-2-butene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH	09/17/2020 12:30	09/18/2020 04:59	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 04:59	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 04:59	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	3.3	6.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 04:59	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	9.9	20	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 12:30	09/18/2020 04:59	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	96.6 %	77-125								

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	47.2	94.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 23:56	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	47.2	94.2	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	09/22/2020 07:26	09/22/2020 23:56	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	47.2	94.2	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	09/22/2020 07:26	09/22/2020 23:56	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	47.2	94.2	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	09/22/2020 07:26	09/22/2020 23:56	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	47.2	94.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 23:56	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	47.2	94.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 23:56	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	47.2	94.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 23:56	KH
91-57-6	2-Methylnaphthalene	154		ug/kg dry	47.2	94.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 23:56	KH



Sample Information

Client Sample ID: SP3 7.5-10

York Sample ID: 20I0727-05

York Project (SDG) No.
20I0727

Client Project ID
200101 E. 149th St.

Matrix
Soil

Collection Date/Time
September 15, 2020 12:00 am

Date Received
09/16/2020

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-94-1	3,3-Dichlorobenzidine	ND		ug/kg dry	47.2	94.2	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 23:56	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	94.2	188	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 23:56	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	47.2	94.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 23:56	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	47.2	94.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 23:56	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	47.2	94.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 23:56	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	94.2	188	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 23:56	KH
83-32-9	Acenaphthene	270		ug/kg dry	47.2	94.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 23:56	KH
208-96-8	Acenaphthylene	511		ug/kg dry	47.2	94.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 23:56	KH
62-53-3	Aniline	ND		ug/kg dry	189	377	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 23:56	KH
120-12-7	Anthracene	913		ug/kg dry	47.2	94.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 23:56	KH
56-55-3	Benzo(a)anthracene	2720		ug/kg dry	47.2	94.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 23:56	KH
50-32-8	Benzo(a)pyrene	3080		ug/kg dry	236	471	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 10:46	KH
205-99-2	Benzo(b)fluoranthene	2400		ug/kg dry	47.2	94.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 23:56	KH
191-24-2	Benzo(g,h,i)perylene	2010		ug/kg dry	47.2	94.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 23:56	KH
207-08-9	Benzo(k)fluoranthene	2220		ug/kg dry	47.2	94.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 23:56	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	47.2	94.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 23:56	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	47.2	94.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 23:56	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	47.2	94.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 23:56	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	47.2	94.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 23:56	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	47.2	94.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 23:56	KH
86-74-8	Carbazole	281		ug/kg dry	47.2	94.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 23:56	KH
218-01-9	Chrysene	2980		ug/kg dry	47.2	94.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 23:56	KH



Sample Information

Client Sample ID: SP3 7.5-10

York Sample ID: 20I0727-05

York Project (SDG) No.
20I0727

Client Project ID
200101 E. 149th St.

Matrix
Soil

Collection Date/Time
September 15, 2020 12:00 am

Date Received
09/16/2020

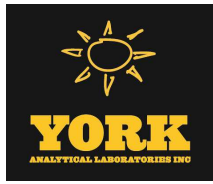
Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
53-70-3	Dibenzo(a,h)anthracene	691		ug/kg dry	47.2	94.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 23:56	KH
132-64-9	Dibenzofuran	104		ug/kg dry	47.2	94.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 23:56	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	47.2	94.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 23:56	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	47.2	94.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 23:56	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	47.2	94.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 23:56	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	47.2	94.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 23:56	KH
206-44-0	Fluoranthene	5090		ug/kg dry	236	471	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 10:46	KH
86-73-7	Fluorene	267		ug/kg dry	47.2	94.2	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 23:56	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	47.2	94.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 23:56	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	47.2	94.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 23:56	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	47.2	94.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 23:56	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	47.2	94.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 23:56	KH
193-39-5	Indeno(1,2,3-cd)pyrene	2120		ug/kg dry	47.2	94.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 23:56	KH
78-59-1	Isophorone	ND		ug/kg dry	47.2	94.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 23:56	KH
91-20-3	Naphthalene	224		ug/kg dry	47.2	94.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 23:56	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	47.2	94.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 23:56	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	47.2	94.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 23:56	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	47.2	94.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 23:56	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	47.2	94.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 23:56	KH
85-01-8	Phenanthrene	3670		ug/kg dry	236	471	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 10:46	KH
129-00-0	Pyrene	5870		ug/kg dry	236	471	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 10:46	KH
110-86-1	Pyridine	ND		ug/kg dry	189	377	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/22/2020 23:56	KH



Sample Information

Client Sample ID: SP3 7.5-10

York Sample ID: 20I0727-05

York Project (SDG) No.

20I0727

Client Project ID

200101 E. 149th St.

Matrix

Soil

Collection Date/Time

September 15, 2020 12:00 am

Date Received

09/16/2020

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
Surrogate Recoveries		Result			Acceptance Range						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	64.2 %				22-108					
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	65.2 %				21-113					
1718-51-0	Surrogate: SURR: Terphenyl-d14	77.3 %				24-116					

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	87.1		%	0.100	1	SM 2540G Certifications: CTDOH	09/18/2020 08:49	09/18/2020 16:39	SK

Sample Information

Client Sample ID: SP3 10-12.5

York Sample ID: 20I0727-06

York Project (SDG) No.

20I0727

Client Project ID

200101 E. 149th St.

Matrix

Soil

Collection Date/Time

September 15, 2020 12:00 am

Date Received

09/16/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	350	700	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:49	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	350	700	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:49	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	350	700	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:49	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	350	700	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:49	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	350	700	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:49	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	350	700	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:49	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	350	700	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:49	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	350	700	200	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/18/2020 09:30	09/18/2020 16:49	SS



Sample Information

Client Sample ID: SP3 10-12.5

York Sample ID: 20I0727-06

York Project (SDG) No.

20I0727

Client Project ID

200101 E. 149th St.

Matrix

Soil

Collection Date/Time

September 15, 2020 12:00 am

Date Received

09/16/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	350	700	200	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/18/2020 09:30	09/18/2020 16:49	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	350	700	200	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/18/2020 09:30	09/18/2020 16:49	SS
95-63-6	1,2,4-Trimethylbenzene	61000		ug/kg dry	1800	3500	1000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/22/2020 09:30	09/22/2020 12:27	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	350	700	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:49	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	350	700	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:49	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	350	700	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:49	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	350	700	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:49	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	350	700	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:49	SS
108-67-8	1,3,5-Trimethylbenzene	12000		ug/kg dry	350	700	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:49	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	350	700	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:49	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	350	700	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:49	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	7000	14000	200	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/18/2020 09:30	09/18/2020 16:49	SS
78-93-3	2-Butanone	ND		ug/kg dry	350	700	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:49	SS
591-78-6	2-Hexanone	ND		ug/kg dry	350	700	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:49	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	350	700	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:49	SS
67-64-1	Acetone	ND		ug/kg dry	700	1400	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:49	SS
107-02-8	Acrolein	ND		ug/kg dry	700	1400	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:49	SS
107-13-1	Acrylonitrile	ND		ug/kg dry	350	700	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:49	SS
71-43-2	Benzene	ND		ug/kg dry	350	700	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:49	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	350	700	200	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/18/2020 09:30	09/18/2020 16:49	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	350	700	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:49	SS
75-25-2	Bromoform	ND		ug/kg dry	350	700	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:49	SS



Sample Information

Client Sample ID: SP3 10-12.5

York Sample ID: 20I0727-06

York Project (SDG) No.
20I0727

Client Project ID
200101 E. 149th St.

Matrix
Soil

Collection Date/Time
September 15, 2020 12:00 am

Date Received
09/16/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-83-9	Bromomethane	ND		ug/kg dry	350	700	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:49	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	350	700	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:49	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	350	700	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:49	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	350	700	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:49	SS
75-00-3	Chloroethane	ND		ug/kg dry	350	700	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:49	SS
67-66-3	Chloroform	ND		ug/kg dry	350	700	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:49	SS
74-87-3	Chloromethane	ND		ug/kg dry	350	700	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:49	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	350	700	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:49	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	350	700	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:49	SS
110-82-7	Cyclohexane	ND		ug/kg dry	350	700	200	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/18/2020 09:30	09/18/2020 16:49	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	350	700	200	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/18/2020 09:30	09/18/2020 16:49	SS
74-95-3	Dibromomethane	ND		ug/kg dry	350	700	200	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/18/2020 09:30	09/18/2020 16:49	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	350	700	200	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/18/2020 09:30	09/18/2020 16:49	SS
100-41-4	Ethyl Benzene	4400		ug/kg dry	350	700	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:49	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	350	700	200	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/18/2020 09:30	09/18/2020 16:49	SS
98-82-8	Isopropylbenzene	3400		ug/kg dry	350	700	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:49	SS
79-20-9	Methyl acetate	ND		ug/kg dry	350	700	200	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/18/2020 09:30	09/18/2020 16:49	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	350	700	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:49	SS
108-87-2	Methylcyclohexane	8100		ug/kg dry	350	700	200	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/18/2020 09:30	09/18/2020 16:49	SS
75-09-2	Methylene chloride	ND		ug/kg dry	700	1400	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:49	SS
104-51-8	n-Butylbenzene	5000		ug/kg dry	350	700	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:49	SS
103-65-1	n-Propylbenzene	17000		ug/kg dry	350	700	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:49	SS



Sample Information

Client Sample ID: SP3 10-12.5

York Sample ID: 20I0727-06

York Project (SDG) No.
20I0727

Client Project ID
200101 E. 149th St.

Matrix
Soil

Collection Date/Time
September 15, 2020 12:00 am

Date Received
09/16/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-47-6	o-Xylene	ND		ug/kg dry	350	700	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/18/2020 09:30	09/18/2020 16:49	SS
179601-23-1	p- & m- Xylenes	3000		ug/kg dry	700	1400	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/18/2020 09:30	09/18/2020 16:49	SS
99-87-6	p-Isopropyltoluene	1800		ug/kg dry	350	700	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:49	SS
135-98-8	sec-Butylbenzene	2900		ug/kg dry	350	700	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:49	SS
100-42-5	Styrene	ND		ug/kg dry	350	700	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:49	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	350	3500	200	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/18/2020 09:30	09/18/2020 16:49	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	350	700	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:49	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	350	700	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:49	SS
108-88-3	Toluene	ND		ug/kg dry	350	700	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:49	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	350	700	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:49	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	350	700	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:49	SS
110-57-6	* trans-1,4-dichloro-2-butene	ND		ug/kg dry	350	700	200	EPA 8260C Certifications: CTDOH	09/18/2020 09:30	09/18/2020 16:49	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	350	700	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:49	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	350	700	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:49	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	350	700	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:49	SS
1330-20-7	Xylenes, Total	3000		ug/kg dry	1100	2100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 16:49	SS
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	62.0 %	S-03			77-125					
2037-26-5	Surrogate: SURR: Toluene-d8	96.6 %				85-120					

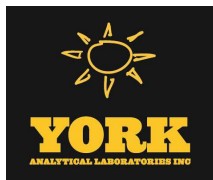
Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	44.9	89.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 00:25	KH



Sample Information

Client Sample ID: SP3 10-12.5

York Sample ID: 20I0727-06

York Project (SDG) No.
20I0727

Client Project ID
200101 E. 149th St.

Matrix
Soil

Collection Date/Time
September 15, 2020 12:00 am

Date Received
09/16/2020

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	44.9	89.6	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	09/22/2020 07:26	09/23/2020 00:25	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	44.9	89.6	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	09/22/2020 07:26	09/23/2020 00:25	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	44.9	89.6	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	09/22/2020 07:26	09/23/2020 00:25	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	44.9	89.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 00:25	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	44.9	89.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 00:25	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	44.9	89.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 00:25	KH
91-57-6	2-Methylnaphthalene	325		ug/kg dry	44.9	89.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 00:25	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/kg dry	44.9	89.6	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 00:25	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	89.6	179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 00:25	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	44.9	89.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 00:25	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	44.9	89.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 00:25	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	44.9	89.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 00:25	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	89.6	179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 00:25	KH
83-32-9	Acenaphthene	52.3	J	ug/kg dry	44.9	89.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 00:25	KH
208-96-8	Acenaphthylene	76.7	J	ug/kg dry	44.9	89.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 00:25	KH
62-53-3	Aniline	ND		ug/kg dry	179	359	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 00:25	KH
120-12-7	Anthracene	160		ug/kg dry	44.9	89.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 00:25	KH
56-55-3	Benzo(a)anthracene	464		ug/kg dry	44.9	89.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 00:25	KH
50-32-8	Benzo(a)pyrene	431		ug/kg dry	44.9	89.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 00:25	KH
205-99-2	Benzo(b)fluoranthene	373		ug/kg dry	44.9	89.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 00:25	KH
191-24-2	Benzo(g,h,i)perylene	265		ug/kg dry	44.9	89.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 00:25	KH
207-08-9	Benzo(k)fluoranthene	324		ug/kg dry	44.9	89.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 00:25	KH



Sample Information

Client Sample ID: SP3 10-12.5

York Sample ID: 20I0727-06

York Project (SDG) No.
20I0727

Client Project ID
200101 E. 149th St.

Matrix
Soil

Collection Date/Time
September 15, 2020 12:00 am

Date Received
09/16/2020

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	44.9	89.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 00:25	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	44.9	89.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 00:25	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	44.9	89.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 00:25	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	44.9	89.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 00:25	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	44.9	89.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 00:25	KH
86-74-8	Carbazole	46.6	J	ug/kg dry	44.9	89.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 00:25	KH
218-01-9	Chrysene	491		ug/kg dry	44.9	89.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 00:25	KH
53-70-3	Dibenzo(a,h)anthracene	89.6	J	ug/kg dry	44.9	89.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 00:25	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	44.9	89.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 00:25	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	44.9	89.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 00:25	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	44.9	89.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 00:25	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	44.9	89.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 00:25	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	44.9	89.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 00:25	KH
206-44-0	Fluoranthene	939		ug/kg dry	44.9	89.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 00:25	KH
86-73-7	Fluorene	55.9	J	ug/kg dry	44.9	89.6	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 00:25	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	44.9	89.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 00:25	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	44.9	89.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 00:25	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	44.9	89.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 00:25	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	44.9	89.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 00:25	KH
193-39-5	Indeno(1,2,3-cd)pyrene	279		ug/kg dry	44.9	89.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 00:25	KH
78-59-1	Isophorone	ND		ug/kg dry	44.9	89.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 00:25	KH
91-20-3	Naphthalene	590		ug/kg dry	44.9	89.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 00:25	KH



Sample Information

Client Sample ID: SP3 10-12.5

York Sample ID: 20I0727-06

York Project (SDG) No.
20I0727

Client Project ID
200101 E. 149th St.

Matrix
Soil

Collection Date/Time
September 15, 2020 12:00 am

Date Received
09/16/2020

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-95-3	Nitrobenzene	ND		ug/kg dry	44.9	89.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 00:25	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	44.9	89.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 00:25	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	44.9	89.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 00:25	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	44.9	89.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 00:25	KH
85-01-8	Phenanthrene	774		ug/kg dry	44.9	89.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 00:25	KH
129-00-0	Pyrene	956		ug/kg dry	44.9	89.6	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 00:25	KH
110-86-1	Pyridine	ND		ug/kg dry	179	359	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 00:25	KH
Surrogate Recoveries		Result			Acceptance Range						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	64.2 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	59.4 %			21-113						
1718-51-0	Surrogate: SURR: Terphenyl-d14	71.6 %			24-116						

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	91.5		%	0.100	1	SM 2540G Certifications: CTDOH	09/18/2020 08:49	09/18/2020 16:39	SK

Sample Information

Client Sample ID: SP4 5-7.5

York Sample ID: 20I0727-07

York Project (SDG) No.
20I0727

Client Project ID
200101 E. 149th St.

Matrix
Soil

Collection Date/Time
September 15, 2020 12:00 am

Date Received
09/16/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:14	SS



Sample Information

Client Sample ID: SP4 5-7.5

York Sample ID: 20I0727-07

York Project (SDG) No.
20I0727

Client Project ID
200101 E. 149th St.

Matrix
Soil

Collection Date/Time
September 15, 2020 12:00 am

Date Received
09/16/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:14	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:14	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:14	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:14	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:14	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:14	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAE	09/18/2020 09:30	09/18/2020 17:14	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/18/2020 09:30	09/18/2020 17:14	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAE	09/18/2020 09:30	09/18/2020 17:14	SS
95-63-6	1,2,4-Trimethylbenzene	420	J	ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:14	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:14	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:14	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:14	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:14	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:14	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:14	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:14	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:14	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	4500	9000	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAE	09/18/2020 09:30	09/18/2020 17:14	SS
78-93-3	2-Butanone	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:14	SS
591-78-6	2-Hexanone	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:14	SS



Sample Information

Client Sample ID: SP4 5-7.5

York Sample ID: 20I0727-07

York Project (SDG) No.
20I0727

Client Project ID
200101 E. 149th St.

Matrix
Soil

Collection Date/Time
September 15, 2020 12:00 am

Date Received
09/16/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:14	SS
67-64-1	Acetone	ND		ug/kg dry	450	900	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:14	SS
107-02-8	Acrolein	ND		ug/kg dry	450	900	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:14	SS
107-13-1	Acrylonitrile	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:14	SS
71-43-2	Benzene	470		ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:14	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/18/2020 09:30	09/18/2020 17:14	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:14	SS
75-25-2	Bromoform	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:14	SS
74-83-9	Bromomethane	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:14	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:14	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:14	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:14	SS
75-00-3	Chloroethane	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:14	SS
67-66-3	Chloroform	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:14	SS
74-87-3	Chloromethane	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:14	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:14	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:14	SS
110-82-7	Cyclohexane	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/18/2020 09:30	09/18/2020 17:14	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/18/2020 09:30	09/18/2020 17:14	SS
74-95-3	Dibromomethane	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/18/2020 09:30	09/18/2020 17:14	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/18/2020 09:30	09/18/2020 17:14	SS
100-41-4	Ethyl Benzene	250	J	ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:14	SS



Sample Information

Client Sample ID: SP4 5-7.5

York Sample ID: 20I0727-07

York Project (SDG) No.
20I0727

Client Project ID
200101 E. 149th St.

Matrix
Soil

Collection Date/Time
September 15, 2020 12:00 am

Date Received
09/16/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/18/2020 09:30	09/18/2020 17:14	SS
98-82-8	Isopropylbenzene	300	J	ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:14	SS
79-20-9	Methyl acetate	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/18/2020 09:30	09/18/2020 17:14	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:14	SS
108-87-2	Methylcyclohexane	720		ug/kg dry	220	450	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/18/2020 09:30	09/18/2020 17:14	SS
75-09-2	Methylene chloride	ND		ug/kg dry	450	900	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:14	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:14	SS
103-65-1	n-Propylbenzene	780		ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:14	SS
95-47-6	o-Xylene	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/18/2020 09:30	09/18/2020 17:14	SS
179601-23-1	p- & m- Xylenes	690	J	ug/kg dry	450	900	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/18/2020 09:30	09/18/2020 17:14	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:14	SS
135-98-8	sec-Butylbenzene	400	J	ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:14	SS
100-42-5	Styrene	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:14	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	220	2200	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/18/2020 09:30	09/18/2020 17:14	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:14	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:14	SS
108-88-3	Toluene	510		ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:14	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:14	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:14	SS
110-57-6	* trans-1,4-dichloro-2-butene	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH	09/18/2020 09:30	09/18/2020 17:14	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:14	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:14	SS



Sample Information

Client Sample ID: SP4 5-7.5

York Sample ID: 20I0727-07

York Project (SDG) No.
20I0727

Client Project ID
200101 E. 149th St.

Matrix
Soil

Collection Date/Time
September 15, 2020 12:00 am

Date Received
09/16/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/kg dry	220	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:14	SS
1330-20-7	Xylenes, Total	690	J	ug/kg dry	670	1300	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:14	SS
	Surrogate Recoveries	Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	88.3 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	96.4 %			85-120						

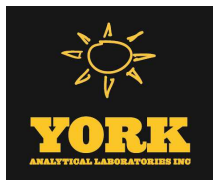
Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	44.8	89.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 00:54	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	44.8	89.4	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	09/22/2020 07:26	09/23/2020 00:54	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	44.8	89.4	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	09/22/2020 07:26	09/23/2020 00:54	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	44.8	89.4	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	09/22/2020 07:26	09/23/2020 00:54	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	44.8	89.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 00:54	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	44.8	89.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 00:54	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	44.8	89.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 00:54	KH
91-57-6	2-Methylnaphthalene	2790		ug/kg dry	44.8	89.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 00:54	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/kg dry	44.8	89.4	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 00:54	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	89.4	179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 00:54	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	44.8	89.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 00:54	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	44.8	89.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 00:54	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	44.8	89.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 00:54	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	89.4	179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 00:54	KH
83-32-9	Acenaphthene	3070		ug/kg dry	1120	2230	50	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 11:15	KH



Sample Information

Client Sample ID: SP4 5-7.5

York Sample ID: 20I0727-07

York Project (SDG) No.
20I0727

Client Project ID
200101 E. 149th St.

Matrix
Soil

Collection Date/Time
September 15, 2020 12:00 am

Date Received
09/16/2020

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
208-96-8	Acenaphthylene	264		ug/kg dry	44.8	89.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 00:54	KH
62-53-3	Aniline	ND		ug/kg dry	179	358	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 00:54	KH
120-12-7	Anthracene	10600		ug/kg dry	1120	2230	50	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 11:15	KH
56-55-3	Benzo(a)anthracene	19700		ug/kg dry	1120	2230	50	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 11:15	KH
50-32-8	Benzo(a)pyrene	21000		ug/kg dry	1120	2230	50	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 11:15	KH
205-99-2	Benzo(b)fluoranthene	15900		ug/kg dry	1120	2230	50	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 11:15	KH
191-24-2	Benzo(g,h,i)perylene	13900		ug/kg dry	1120	2230	50	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 11:15	KH
207-08-9	Benzo(k)fluoranthene	14800		ug/kg dry	1120	2230	50	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 11:15	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	44.8	89.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 00:54	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	44.8	89.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 00:54	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	44.8	89.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 00:54	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	44.8	89.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 00:54	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	44.8	89.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 00:54	KH
86-74-8	Carbazole	647		ug/kg dry	44.8	89.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 00:54	KH
218-01-9	Chrysene	18200		ug/kg dry	1120	2230	50	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 11:15	KH
53-70-3	Dibenzo(a,h)anthracene	1130	J	ug/kg dry	1120	2230	50	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 11:15	KH
132-64-9	Dibenzofuran	2210		ug/kg dry	44.8	89.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 00:54	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	44.8	89.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 00:54	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	44.8	89.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 00:54	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	44.8	89.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 00:54	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	44.8	89.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 00:54	KH
206-44-0	Fluoranthene	46600		ug/kg dry	1120	2230	50	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 11:15	KH



Sample Information

Client Sample ID: SP4 5-7.5

York Sample ID: 20I0727-07

York Project (SDG) No.
20I0727

Client Project ID
200101 E. 149th St.

Matrix
Soil

Collection Date/Time
September 15, 2020 12:00 am

Date Received
09/16/2020

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	3860		ug/kg dry	1120	2230	50	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 11:15	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	44.8	89.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 00:54	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	44.8	89.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 00:54	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	44.8	89.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 00:54	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	44.8	89.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 00:54	KH
193-39-5	Indeno(1,2,3-cd)pyrene	14700		ug/kg dry	1120	2230	50	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 11:15	KH
78-59-1	Isophorone	ND		ug/kg dry	44.8	89.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 00:54	KH
91-20-3	Naphthalene	1590		ug/kg dry	44.8	89.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 00:54	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	44.8	89.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 00:54	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	44.8	89.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 00:54	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	44.8	89.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 00:54	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	44.8	89.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 00:54	KH
85-01-8	Phenanthrene	32700		ug/kg dry	1120	2230	50	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 11:15	KH
129-00-0	Pyrene	40900		ug/kg dry	1120	2230	50	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 11:15	KH
110-86-1	Pyridine	ND		ug/kg dry	179	358	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 00:54	KH
Surrogate Recoveries		Result	Acceptance Range								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	98.6 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	72.0 %	21-113								
1718-51-0	Surrogate: SURR: Terphenyl-d14	91.0 %	24-116								

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	91.8		%	0.100	1	SM 2540G Certifications: CTDOH	09/18/2020 08:49	09/18/2020 16:39	SK



Sample Information

Client Sample ID: SP4 10-12.5

York Sample ID: 20I0727-08

York Project (SDG) No.
20I0727

Client Project ID
200101 E. 149th St.

Matrix
Soil

Collection Date/Time
September 15, 2020 12:00 am

Date Received
09/16/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	310	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:40	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	310	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:40	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	310	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:40	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	310	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:40	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	310	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:40	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	310	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:40	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	310	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:40	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	310	610	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/18/2020 09:30	09/18/2020 17:40	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	310	610	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/18/2020 09:30	09/18/2020 17:40	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	310	610	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/18/2020 09:30	09/18/2020 17:40	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	310	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:40	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	310	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:40	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	310	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:40	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	310	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:40	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	310	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:40	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	310	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:40	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	310	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:40	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	310	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:40	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	310	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:40	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	6100	12000	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/18/2020 09:30	09/18/2020 17:40	SS
78-93-3	2-Butanone	ND		ug/kg dry	310	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:40	SS



Sample Information

Client Sample ID: SP4 10-12.5

York Sample ID: 20I0727-08

York Project (SDG) No.
20I0727

Client Project ID
200101 E. 149th St.

Matrix
Soil

Collection Date/Time
September 15, 2020 12:00 am

Date Received
09/16/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/kg dry	310	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:40	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	310	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:40	SS
67-64-1	Acetone	ND		ug/kg dry	610	1200	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:40	SS
107-02-8	Acrolein	ND		ug/kg dry	610	1200	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:40	SS
107-13-1	Acrylonitrile	ND		ug/kg dry	310	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:40	SS
71-43-2	Benzene	950		ug/kg dry	310	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:40	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	310	610	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/18/2020 09:30	09/18/2020 17:40	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	310	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:40	SS
75-25-2	Bromoform	ND		ug/kg dry	310	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:40	SS
74-83-9	Bromomethane	ND		ug/kg dry	310	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:40	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	310	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:40	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	310	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:40	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	310	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:40	SS
75-00-3	Chloroethane	ND		ug/kg dry	310	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:40	SS
67-66-3	Chloroform	ND		ug/kg dry	310	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:40	SS
74-87-3	Chloromethane	ND		ug/kg dry	310	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:40	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	310	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:40	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	310	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:40	SS
110-82-7	Cyclohexane	16000		ug/kg dry	310	610	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/18/2020 09:30	09/18/2020 17:40	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	310	610	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/18/2020 09:30	09/18/2020 17:40	SS
74-95-3	Dibromomethane	ND		ug/kg dry	310	610	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/18/2020 09:30	09/18/2020 17:40	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	310	610	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/18/2020 09:30	09/18/2020 17:40	SS



Sample Information

Client Sample ID: SP4 10-12.5

York Sample ID: 20I0727-08

York Project (SDG) No.
20I0727

Client Project ID
200101 E. 149th St.

Matrix
Soil

Collection Date/Time
September 15, 2020 12:00 am

Date Received
09/16/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/kg dry	310	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:40	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	310	610	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/18/2020 09:30	09/18/2020 17:40	SS
98-82-8	Isopropylbenzene	1600		ug/kg dry	310	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:40	SS
79-20-9	Methyl acetate	ND		ug/kg dry	310	610	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/18/2020 09:30	09/18/2020 17:40	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	310	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:40	SS
108-87-2	Methylcyclohexane	38000		ug/kg dry	610	1200	200	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/22/2020 09:30	09/22/2020 12:54	SS
75-09-2	Methylene chloride	ND		ug/kg dry	610	1200	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:40	SS
104-51-8	n-Butylbenzene	950		ug/kg dry	310	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:40	SS
103-65-1	n-Propylbenzene	3100		ug/kg dry	310	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:40	SS
95-47-6	o-Xylene	ND		ug/kg dry	310	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/18/2020 09:30	09/18/2020 17:40	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	610	1200	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/18/2020 09:30	09/18/2020 17:40	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	310	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:40	SS
135-98-8	sec-Butylbenzene	510	J	ug/kg dry	310	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:40	SS
100-42-5	Styrene	ND		ug/kg dry	310	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:40	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	310	3100	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/18/2020 09:30	09/18/2020 17:40	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	310	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:40	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	310	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:40	SS
108-88-3	Toluene	ND		ug/kg dry	310	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:40	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	310	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:40	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	310	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:40	SS
110-57-6	* trans-1,4-dichloro-2-butene	ND		ug/kg dry	310	610	100	EPA 8260C Certifications: CTDOH	09/18/2020 09:30	09/18/2020 17:40	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	310	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:40	SS



Sample Information

Client Sample ID: SP4 10-12.5

York Sample ID: 20I0727-08

York Project (SDG) No.
20I0727

Client Project ID
200101 E. 149th St.

Matrix
Soil

Collection Date/Time
September 15, 2020 12:00 am

Date Received
09/16/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	310	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:40	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	310	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:40	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	920	1800	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/18/2020 09:30	09/18/2020 17:40	SS
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	82.9 %		77-125							

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	86.2	172	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 01:24	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	86.2	172	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	09/22/2020 07:26	09/23/2020 01:24	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	86.2	172	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	09/22/2020 07:26	09/23/2020 01:24	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	86.2	172	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	09/22/2020 07:26	09/23/2020 01:24	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	86.2	172	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 01:24	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	86.2	172	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 01:24	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	86.2	172	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 01:24	KH
91-57-6	2-Methylnaphthalene	120	J	ug/kg dry	86.2	172	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 01:24	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/kg dry	86.2	172	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 01:24	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	172	344	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 01:24	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	86.2	172	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 01:24	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	86.2	172	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 01:24	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	86.2	172	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 01:24	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	172	344	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 01:24	KH



Sample Information

Client Sample ID: SP4 10-12.5

York Sample ID: 20I0727-08

York Project (SDG) No.
20I0727

Client Project ID
200101 E. 149th St.

Matrix
Soil

Collection Date/Time
September 15, 2020 12:00 am

Date Received
09/16/2020

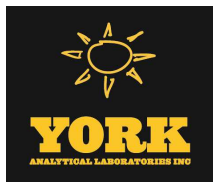
Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	604		ug/kg dry	86.2	172	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 01:24	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	86.2	172	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 01:24	KH
62-53-3	Aniline	ND		ug/kg dry	345	689	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 01:24	KH
120-12-7	Anthracene	679		ug/kg dry	86.2	172	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 01:24	KH
56-55-3	Benzo(a)anthracene	2670		ug/kg dry	86.2	172	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 01:24	KH
50-32-8	Benzo(a)pyrene	3250		ug/kg dry	86.2	172	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 01:24	KH
205-99-2	Benzo(b)fluoranthene	2520		ug/kg dry	86.2	172	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 01:24	KH
191-24-2	Benzo(g,h,i)perylene	2130		ug/kg dry	86.2	172	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 01:24	KH
207-08-9	Benzo(k)fluoranthene	2110		ug/kg dry	86.2	172	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 01:24	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	86.2	172	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 01:24	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	86.2	172	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 01:24	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	86.2	172	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 01:24	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	86.2	172	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 01:24	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	86.2	172	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 01:24	KH
86-74-8	Carbazole	ND		ug/kg dry	86.2	172	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 01:24	KH
218-01-9	Chrysene	3030		ug/kg dry	86.2	172	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 01:24	KH
53-70-3	Dibenzo(a,h)anthracene	657		ug/kg dry	86.2	172	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 01:24	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	86.2	172	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 01:24	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	86.2	172	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 01:24	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	86.2	172	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 01:24	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	86.2	172	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 01:24	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	86.2	172	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 01:24	KH



Sample Information

Client Sample ID: SP4 10-12.5

York Sample ID: 20I0727-08

York Project (SDG) No.

20I0727

Client Project ID

200101 E. 149th St.

Matrix

Soil

Collection Date/Time

September 15, 2020 12:00 am

Date Received

09/16/2020

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
206-44-0	Fluoranthene	4200		ug/kg dry	86.2	172	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 01:24	KH
86-73-7	Fluorene	378		ug/kg dry	86.2	172	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 01:24	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	86.2	172	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 01:24	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	86.2	172	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 01:24	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	86.2	172	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 01:24	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	86.2	172	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 01:24	KH
193-39-5	Indeno(1,2,3-cd)pyrene	2220		ug/kg dry	86.2	172	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 01:24	KH
78-59-1	Isophorone	ND		ug/kg dry	86.2	172	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 01:24	KH
91-20-3	Naphthalene	ND		ug/kg dry	86.2	172	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 01:24	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	86.2	172	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 01:24	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	86.2	172	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 01:24	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	86.2	172	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 01:24	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	86.2	172	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 01:24	KH
85-01-8	Phenanthrene	2700		ug/kg dry	86.2	172	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 01:24	KH
129-00-0	Pyrene	5360		ug/kg dry	86.2	172	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 01:24	KH
110-86-1	Pyridine	ND		ug/kg dry	345	689	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 07:26	09/23/2020 01:24	KH
Surrogate Recoveries		Result	Acceptance Range								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	71.0 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	73.1 %	21-113								
1718-51-0	Surrogate: SURR: Terphenyl-d14	84.7 %	24-116								

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	72.3		%	0.100	1	SM 2540G Certifications: CTDOH	09/18/2020 08:49	09/18/2020 16:39	SK



Sample Information

Client Sample ID: **SP4 10-12.5**

York Sample ID: **20I0727-08**

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
20I0727	200101 E. 149th St.	Soil	September 15, 2020 12:00 am	09/16/2020



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
20I0727-01	SP1 2.5-5	40mL Vial with Stir Bar-Cool 4° C
20I0727-02	SP1 7.5-10	40mL Vial with Stir Bar-Cool 4° C
20I0727-03	SP2 2.5-5	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C
20I0727-04	SP2 12.5-15	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C
20I0727-05	SP3 7.5-10	40mL Vial with Stir Bar-Cool 4° C
20I0727-06	SP3 10-12.5	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C
20I0727-07	SP4 5-7.5	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C
20I0727-08	SP4 10-12.5	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

S-03	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect. This effect was confirmed by reanalysis.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
IS-HI	The internal std associated with this target compound did not meet acceptance criteria (area >200% CCV) at the stated dilution due to matrix effects. Sample was rerun to confirm matrix effects.
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

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



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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

Field Chain-of-Custody Record

YORK Project No.

2010727

Page of

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

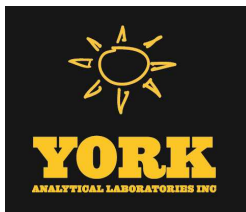
YOUR Information		Report To:		Invoice To:		YOUR Project Number		Turn-Around Time	
Company:	Touchstone Envr.	Company:	Touchstone Envr.	Company:	Touchstone Envr.	200105		RUSH - Next Day	
Address:		Address:		Address:		ENVIRONMENTAL		RUSH - Two Day	
Phone.:		Phone.:		Phone.:		YOUR Project Name		RUSH - Three Day	
Contact:		Contact:		Contact:		E. 149th St.		RUSH - Four Day	
								Standard (5-7 Day)	

E-mail:	E-mail:	E-mail:	YOUR PO#:		
Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.		Compared to the following Regulation(s): (please fill in)			
Samples Collected by: (print your name above and sign below) 	Matrix Codes	Samples From	Report / EDD Type (circle selections)	YORK Reg. Comp.	
	S - soil / solid	New York	Summary Report	CT RCP	Standard Excel EDD
	GW - groundwater	New Jersey	QA Report	CT RCP DQA/DUE	EQuls (Standard)
	DW - drinking water	Connecticut	NY ASP A Package	NJDEP Reduced Deliverables	NYSDEC EQuls
	WW - wastewater	Pennsylvania	NY ASP B Package	NJDKQp	NJDEP SRP HazSite
	O - Oil ; Other	Other			Other:

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
SP1 2.5-5	S	9/15/20	EPA Method 8260 and 8270BN	1-802 and 4 vials
SP1 7.5-10	S	9/15/20	EPA Method 8260 and 8270BN	1-802 and 4 vials
SP2 2.5-5	S	9/15/20	EPA Method 8260 and 8270BN	1-802 and 4 vials
SP2 12.5-15	S	9/15/20	EPA Method 8260 and 8270BN	1-802 and 4 vials
SP3 7.5-10	S	9/15/20	EPA Method 8260 and 8270BN	1-802 and 4 vials
SP3 10-12.5	S	9/15/20	EPA Method 8260 and 8270BN	1-802 and 4 vials
SP4 5-7.5	S	9/15/20	EPA Method 8260 and 8270BN	1-802 and 4 vials
SP4 10-12.5	S	9/15/20	EPA Method 8260 and 8270BN	1-802 and 4 vials

Comments:	Preservation: (check all that apply)						Special Instruction
	HCl ___ Ascorbic Acid ___	MeOH ___ Other: _____	HNO ₃ ___ H ₂ SO ₄ ___	NaOH ___	ZnAc ___	Field Filtered Lab to Filter ____	
Samples Relinquished by / Company <i>Touchstone cooler</i>	Date/Time <i>9/16/20 140pm</i>	Samples Received by / Company <i>K Badhwarok</i>	Date/Time <i>9/16/20 140pm</i>	Samples Relinquished by / Company	Date/Time	<i>9/16/20 1700</i>	
Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time		
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received in LAB by <i>H Blocker</i>	Date/Time <i>9/16/20 1700</i>	Temp. Received at Lab <i>24.8</i>	Degrees C

Page 58 of 58



Technical Report

prepared for:

Touchstone Environmental Geology, PC
8 Dolphin Drive
Centereach NY, 11720
Attention: Rachel Ataman

Report Date: 09/23/2020
Client Project ID: 200101 E. 149th St.
York Project (SDG) No.: 2010725

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

120 RESEARCH DRIVE
www.YORKLAB.com

STRATFORD, CT 06615
(203) 325-1371

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

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 09/23/2020
Client Project ID: 200101 E. 149th St.
York Project (SDG) No.: 20I0725

Touchstone Environmental Geology, PC
8 Dolphin Drive
Centereach NY, 11720
Attention: Rachel Ataman

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 September 16, 2020 with a temperature of 4.8 C. The project was identified as your project: **200101 E. 149th St.**

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

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

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

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

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

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
20I0725-01	MW1	Water	09/15/2020	09/16/2020
20I0725-02	MW2	Water	09/15/2020	09/16/2020
20I0725-03	MW3	Water	09/15/2020	09/16/2020
20I0725-04	MW4	Water	09/15/2020	09/16/2020
20I0725-05	MW5	Water	09/15/2020	09/16/2020

General Notes for York Project (SDG) No.: 20I0725

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

Approved By:



Benjamin Gulizia
Laboratory Director

Date: 09/23/2020





Sample Information

Client Sample ID: MW1

York Sample ID: 2010725-01

York Project (SDG) No.

2010725

Client Project ID

200101 E. 149th St.

Matrix

Water

Collection Date/Time

September 15, 2020 12:00 am

Date Received

09/16/2020

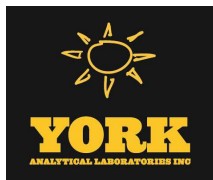
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:24	CLO
71-55-6	1,1,1-Trichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:24	CLO
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:24	CLO
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:24	CLO
79-00-5	1,1,2-Trichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:24	CLO
75-34-3	1,1-Dichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:24	CLO
75-35-4	1,1-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:24	CLO
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/17/2020 09:30	09/17/2020 16:24	CLO
96-18-4	1,2,3-Trichloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/17/2020 09:30	09/17/2020 16:24	CLO
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/17/2020 09:30	09/17/2020 16:24	CLO
95-63-6	1,2,4-Trimethylbenzene	4.9	J	ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:24	CLO
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:24	CLO
106-93-4	1,2-Dibromoethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:24	CLO
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:24	CLO
107-06-2	1,2-Dichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:24	CLO
78-87-5	1,2-Dichloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:24	CLO
108-67-8	1,3,5-Trimethylbenzene	84		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:24	CLO
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:24	CLO
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:24	CLO
123-91-1	1,4-Dioxane	ND		ug/L	400	400	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/17/2020 09:30	09/17/2020 16:24	CLO
78-93-3	2-Butanone	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:24	CLO



Sample Information

Client Sample ID: MW1

York Sample ID: 20I0725-01

York Project (SDG) No.
20I0725

Client Project ID
200101 E. 149th St.

Matrix
Water

Collection Date/Time
September 15, 2020 12:00 am

Date Received
09/16/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:24	CLO
108-10-1	4-Methyl-2-pentanone	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:24	CLO
67-64-1	Acetone	ND		ug/L	10	20	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:24	CLO
107-02-8	Acrolein	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:24	CLO
107-13-1	Acrylonitrile	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:24	CLO
71-43-2	Benzene	5.3		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:24	CLO
74-97-5	Bromochloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/17/2020 09:30	09/17/2020 16:24	CLO
75-27-4	Bromodichloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:24	CLO
75-25-2	Bromoform	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:24	CLO
74-83-9	Bromomethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:24	CLO
75-15-0	Carbon disulfide	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:24	CLO
56-23-5	Carbon tetrachloride	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:24	CLO
108-90-7	Chlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:24	CLO
75-00-3	Chloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:24	CLO
67-66-3	Chloroform	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:24	CLO
74-87-3	Chloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:24	CLO
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:24	CLO
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:24	CLO
110-82-7	Cyclohexane	320		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/17/2020 09:30	09/17/2020 16:24	CLO
124-48-1	Dibromochloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:24	CLO
74-95-3	Dibromomethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/17/2020 09:30	09/17/2020 16:24	CLO
75-71-8	Dichlorodifluoromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/17/2020 09:30	09/17/2020 16:24	CLO



Sample Information

Client Sample ID: MW1

York Sample ID: 20I0725-01

York Project (SDG) No.
20I0725

Client Project ID
200101 E. 149th St.

Matrix
Water

Collection Date/Time
September 15, 2020 12:00 am

Date Received
09/16/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	120		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:24	CLO
87-68-3	Hexachlorobutadiene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/17/2020 09:30	09/17/2020 16:24	CLO
98-82-8	Isopropylbenzene	33		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:24	CLO
79-20-9	Methyl acetate	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/17/2020 09:30	09/17/2020 16:24	CLO
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:24	CLO
108-87-2	Methylcyclohexane	560		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/17/2020 09:30	09/17/2020 16:24	CLO
75-09-2	Methylene chloride	ND		ug/L	10	20	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:24	CLO
104-51-8	n-Butylbenzene	20		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:24	CLO
103-65-1	n-Propylbenzene	87		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:24	CLO
95-47-6	o-Xylene	9.0		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/17/2020 09:30	09/17/2020 16:24	CLO
179601-23-1	p- & m- Xylenes	31		ug/L	5.0	10	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/17/2020 09:30	09/17/2020 16:24	CLO
99-87-6	p-Isopropyltoluene	8.2		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:24	CLO
135-98-8	sec-Butylbenzene	8.7		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:24	CLO
100-42-5	Styrene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:24	CLO
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	5.0	25	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/17/2020 09:30	09/17/2020 16:24	CLO
98-06-6	tert-Butylbenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:24	CLO
127-18-4	Tetrachloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:24	CLO
108-88-3	Toluene	11		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:24	CLO
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:24	CLO
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:24	CLO
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:24	CLO
79-01-6	Trichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:24	CLO



Sample Information

Client Sample ID: MW1

York Sample ID: 20I0725-01

York Project (SDG) No.
20I0725

Client Project ID
200101 E. 149th St.

Matrix
Water

Collection Date/Time
September 15, 2020 12:00 am

Date Received
09/16/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:24	CLO
75-01-4	Vinyl Chloride	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:24	CLO
1330-20-7	Xylenes, Total	40		ug/L	6.0	15	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:24	CLO
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	82.4 %			69-130						
2037-26-5	Surrogate: SURR: Toluene-d8	118 %	S-04		81-117						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	94.0 %			79-122						

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes:

Sample Notes: EXT-D, EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.74	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 18:41	OW
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.77	5.56	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	09/18/2020 07:58	09/21/2020 18:41	OW
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.90	5.56	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	09/18/2020 07:58	09/21/2020 18:41	OW
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.46	5.56	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	09/18/2020 07:58	09/21/2020 18:41	OW
121-14-2	2,4-Dinitrotoluene	ND		ug/L	1.79	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 18:41	OW
606-20-2	2,6-Dinitrotoluene	ND		ug/L	1.79	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 18:41	OW
91-58-7	2-Chloronaphthalene	ND		ug/L	2.44	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 18:41	OW
91-57-6	2-Methylnaphthalene	12.6		ug/L	3.07	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 18:41	OW
88-74-4	2-Nitroaniline	ND		ug/L	1.87	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 18:41	OW
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	1.41	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 18:41	OW
99-09-2	3-Nitroaniline	ND		ug/L	1.87	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 18:41	OW
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	1.48	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 18:41	OW
106-47-8	4-Chloroaniline	ND		ug/L	3.31	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 18:41	OW



Sample Information

Client Sample ID: MW1

York Sample ID: 20I0725-01

York Project (SDG) No.
20I0725

Client Project ID
200101 E. 149th St.

Matrix
Water

Collection Date/Time
September 15, 2020 12:00 am

Date Received
09/16/2020

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes:

Sample Notes: EXT-D, EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.72	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 18:41	OW
100-01-6	4-Nitroaniline	ND		ug/L	2.98	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 18:41	OW
83-32-9	Acenaphthene	0.789		ug/L	0.0556	0.0556	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/18/2020 18:50	OW
208-96-8	Acenaphthylene	0.0778		ug/L	0.0556	0.0556	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/18/2020 18:50	OW
62-53-3	Aniline	ND		ug/L	1.67	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 18:41	OW
120-12-7	Anthracene	0.344		ug/L	0.0556	0.0556	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/18/2020 18:50	OW
56-55-3	Benzo(a)anthracene	0.267		ug/L	0.0556	0.0556	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/18/2020 18:50	OW
50-32-8	Benzo(a)pyrene	0.178		ug/L	0.0556	0.0556	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/18/2020 18:50	OW
205-99-2	Benzo(b)fluoranthene	0.156		ug/L	0.0556	0.0556	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/18/2020 18:50	OW
191-24-2	Benzo(g,h,i)perylene	0.0889		ug/L	0.0556	0.0556	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/18/2020 18:50	OW
207-08-9	Benzo(k)fluoranthene	0.167		ug/L	0.0556	0.0556	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/18/2020 18:50	OW
85-68-7	Benzyl butyl phthalate	ND		ug/L	0.947	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 18:41	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	1.97	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 18:41	OW
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.67	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 18:41	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	3.32	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 18:41	OW
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.556	0.556	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/18/2020 18:50	OW
86-74-8	Carbazole	ND		ug/L	1.46	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 18:41	OW
218-01-9	Chrysene	0.222		ug/L	0.0556	0.0556	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/18/2020 18:50	OW
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0556	0.0556	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/18/2020 18:50	OW
132-64-9	Dibenzofuran	ND		ug/L	2.68	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 18:41	OW
84-66-2	Diethyl phthalate	ND		ug/L	2.84	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 18:41	OW
131-11-3	Dimethyl phthalate	ND		ug/L	2.12	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 18:41	OW



Sample Information

Client Sample ID: MW1

York Sample ID: 20I0725-01

York Project (SDG) No.
20I0725

Client Project ID
200101 E. 149th St.

Matrix
Water

Collection Date/Time
September 15, 2020 12:00 am

Date Received
09/16/2020

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes:

Sample Notes: EXT-D, EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.28	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 18:41	OW
117-84-0	Di-n-octyl phthalate	ND		ug/L	1.24	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 18:41	OW
206-44-0	Fluoranthene	1.01		ug/L	0.0556	0.0556	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/18/2020 18:50	OW
86-73-7	Fluorene	0.711		ug/L	0.0556	0.0556	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/18/2020 18:50	OW
118-74-1	Hexachlorobenzene	ND		ug/L	0.0222	0.0222	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/18/2020 18:50	OW
87-68-3	Hexachlorobutadiene	ND		ug/L	0.556	0.556	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/18/2020 18:50	OW
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	2.81	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 18:41	OW
67-72-1	Hexachloroethane	ND		ug/L	0.556	0.556	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 18:41	OW
193-39-5	Indeno(1,2,3-cd)pyrene	0.0778		ug/L	0.0556	0.0556	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/18/2020 18:50	OW
78-59-1	Isophorone	ND		ug/L	2.98	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 18:41	OW
91-20-3	Naphthalene	46.6		ug/L	5.56	11.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/22/2020 23:22	OW
98-95-3	Nitrobenzene	ND		ug/L	0.278	0.278	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/18/2020 18:50	OW
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.556	0.556	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/18/2020 18:50	OW
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.84	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 18:41	OW
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	5.56	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 18:41	OW
85-01-8	Phenanthrene	1.93		ug/L	0.0556	0.0556	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/18/2020 18:50	OW
129-00-0	Pyrene	0.811		ug/L	0.0556	0.0556	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/18/2020 18:50	OW
110-86-1	Pyridine	ND		ug/L	4.34	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 18:41	OW
Surrogate Recoveries		Result		Acceptance Range							
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	42.9 %	S-08	50.2-113							
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	46.5 %		39.9-105							
1718-51-0	Surrogate: SURR: Terphenyl-d14	40.0 %		30.7-106							



Sample Information

Client Sample ID: MW2

York Sample ID: 20I0725-02

York Project (SDG) No.
20I0725

Client Project ID
200101 E. 149th St.

Matrix
Water

Collection Date/Time
September 15, 2020 12:00 am

Date Received
09/16/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:53	CLO
71-55-6	1,1,1-Trichloroethane	ND		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:53	CLO
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:53	CLO
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:53	CLO
79-00-5	1,1,2-Trichloroethane	ND		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:53	CLO
75-34-3	1,1-Dichloroethane	ND		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:53	CLO
75-35-4	1,1-Dichloroethylene	ND		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:53	CLO
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	40	100	200	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/17/2020 09:30	09/17/2020 16:53	CLO
96-18-4	1,2,3-Trichloropropane	ND		ug/L	40	100	200	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/17/2020 09:30	09/17/2020 16:53	CLO
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	40	100	200	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/17/2020 09:30	09/17/2020 16:53	CLO
95-63-6	1,2,4-Trimethylbenzene	120		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:53	CLO
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:53	CLO
106-93-4	1,2-Dibromoethane	ND		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:53	CLO
95-50-1	1,2-Dichlorobenzene	ND		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:53	CLO
107-06-2	1,2-Dichloroethane	ND		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:53	CLO
78-87-5	1,2-Dichloropropane	ND		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:53	CLO
108-67-8	1,3,5-Trimethylbenzene	210		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:53	CLO
541-73-1	1,3-Dichlorobenzene	ND		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:53	CLO
106-46-7	1,4-Dichlorobenzene	ND		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:53	CLO
123-91-1	1,4-Dioxane	ND		ug/L	8000	8000	200	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/17/2020 09:30	09/17/2020 16:53	CLO
78-93-3	2-Butanone	ND		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:53	CLO



Sample Information

Client Sample ID: MW2

York Sample ID: 20I0725-02

York Project (SDG) No.
20I0725

Client Project ID
200101 E. 149th St.

Matrix
Water

Collection Date/Time
September 15, 2020 12:00 am

Date Received
09/16/2020

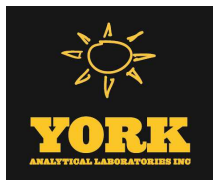
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:53	CLO
108-10-1	4-Methyl-2-pentanone	ND		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:53	CLO
67-64-1	Acetone	ND		ug/L	200	400	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:53	CLO
107-02-8	Acrolein	ND		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:53	CLO
107-13-1	Acrylonitrile	ND		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:53	CLO
71-43-2	Benzene	520		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:53	CLO
74-97-5	Bromochloromethane	ND		ug/L	40	100	200	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/17/2020 09:30	09/17/2020 16:53	CLO
75-27-4	Bromodichloromethane	ND		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:53	CLO
75-25-2	Bromoform	ND		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:53	CLO
74-83-9	Bromomethane	ND		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:53	CLO
75-15-0	Carbon disulfide	ND		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:53	CLO
56-23-5	Carbon tetrachloride	ND		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:53	CLO
108-90-7	Chlorobenzene	ND		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:53	CLO
75-00-3	Chloroethane	ND		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:53	CLO
67-66-3	Chloroform	ND		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:53	CLO
74-87-3	Chloromethane	ND		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:53	CLO
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:53	CLO
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:53	CLO
110-82-7	Cyclohexane	530		ug/L	40	100	200	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/17/2020 09:30	09/17/2020 16:53	CLO
124-48-1	Dibromochloromethane	ND		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:53	CLO
74-95-3	Dibromomethane	ND		ug/L	40	100	200	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/17/2020 09:30	09/17/2020 16:53	CLO
75-71-8	Dichlorodifluoromethane	ND		ug/L	40	100	200	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/17/2020 09:30	09/17/2020 16:53	CLO



Sample Information

Client Sample ID: MW2

York Sample ID: 20I0725-02

York Project (SDG) No.
20I0725

Client Project ID
200101 E. 149th St.

Matrix
Water

Collection Date/Time
September 15, 2020 12:00 am

Date Received
09/16/2020

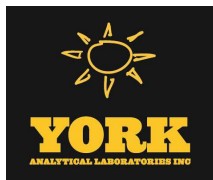
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	400		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:53	CLO
87-68-3	Hexachlorobutadiene	ND		ug/L	40	100	200	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/17/2020 09:30	09/17/2020 16:53	CLO
98-82-8	Isopropylbenzene	84	J	ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:53	CLO
79-20-9	Methyl acetate	ND		ug/L	40	100	200	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/17/2020 09:30	09/17/2020 16:53	CLO
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:53	CLO
108-87-2	Methylcyclohexane	570		ug/L	40	100	200	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/17/2020 09:30	09/17/2020 16:53	CLO
75-09-2	Methylene chloride	ND		ug/L	200	400	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:53	CLO
104-51-8	n-Butylbenzene	42	J	ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:53	CLO
103-65-1	n-Propylbenzene	210		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:53	CLO
95-47-6	o-Xylene	ND		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/17/2020 09:30	09/17/2020 16:53	CLO
179601-23-1	p- & m- Xylenes	260		ug/L	100	200	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/17/2020 09:30	09/17/2020 16:53	CLO
99-87-6	p-Isopropyltoluene	ND		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:53	CLO
135-98-8	sec-Butylbenzene	ND		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:53	CLO
100-42-5	Styrene	ND		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:53	CLO
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	100	500	200	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/17/2020 09:30	09/17/2020 16:53	CLO
98-06-6	tert-Butylbenzene	ND		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:53	CLO
127-18-4	Tetrachloroethylene	ND		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:53	CLO
108-88-3	Toluene	100		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:53	CLO
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:53	CLO
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:53	CLO
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:53	CLO
79-01-6	Trichloroethylene	ND		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:53	CLO



Sample Information

Client Sample ID: MW2

York Sample ID: 20I0725-02

York Project (SDG) No.
20I0725

Client Project ID
200101 E. 149th St.

Matrix
Water

Collection Date/Time
September 15, 2020 12:00 am

Date Received
09/16/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:53	CLO
75-01-4	Vinyl Chloride	ND		ug/L	40	100	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:53	CLO
1330-20-7	Xylenes, Total	260	J	ug/L	120	300	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 16:53	CLO
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	104 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	112 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	105 %	79-122								

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes:

Sample Notes: EXT-D, EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.91	5.88	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 19:11	OW
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.93	5.88	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	09/18/2020 07:58	09/21/2020 19:11	OW
541-73-1	1,3-Dichlorobenzene	ND		ug/L	3.07	5.88	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	09/18/2020 07:58	09/21/2020 19:11	OW
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.60	5.88	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	09/18/2020 07:58	09/21/2020 19:11	OW
121-14-2	2,4-Dinitrotoluene	ND		ug/L	1.89	5.88	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 19:11	OW
606-20-2	2,6-Dinitrotoluene	ND		ug/L	1.89	5.88	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 19:11	OW
91-58-7	2-Chloronaphthalene	ND		ug/L	2.59	5.88	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 19:11	OW
91-57-6	2-Methylnaphthalene	40.1		ug/L	3.25	5.88	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 19:11	OW
88-74-4	2-Nitroaniline	ND		ug/L	1.98	5.88	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 19:11	OW
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	1.49	5.88	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 19:11	OW
99-09-2	3-Nitroaniline	ND		ug/L	1.98	5.88	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 19:11	OW
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	1.56	5.88	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 19:11	OW
106-47-8	4-Chloroaniline	ND		ug/L	3.51	5.88	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 19:11	OW



Sample Information

Client Sample ID: MW2

York Sample ID: 20I0725-02

York Project (SDG) No.
20I0725

Client Project ID
200101 E. 149th St.

Matrix
Water

Collection Date/Time
September 15, 2020 12:00 am

Date Received
09/16/2020

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes:

Sample Notes: EXT-D, EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.88	5.88	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 19:11	OW
100-01-6	4-Nitroaniline	ND		ug/L	3.15	5.88	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 19:11	OW
83-32-9	Acenaphthene	0.671		ug/L	0.0588	0.0588	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/18/2020 19:22	OW
208-96-8	Acenaphthylene	0.0588	J	ug/L	0.0588	0.0588	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/18/2020 19:22	OW
62-53-3	Aniline	ND		ug/L	1.76	5.88	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 19:11	OW
120-12-7	Anthracene	0.247		ug/L	0.0588	0.0588	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/18/2020 19:22	OW
56-55-3	Benzo(a)anthracene	0.188		ug/L	0.0588	0.0588	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/18/2020 19:22	OW
50-32-8	Benzo(a)pyrene	0.188		ug/L	0.0588	0.0588	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/18/2020 19:22	OW
205-99-2	Benzo(b)fluoranthene	0.141		ug/L	0.0588	0.0588	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/18/2020 19:22	OW
191-24-2	Benzo(g,h,i)perylene	0.129		ug/L	0.0588	0.0588	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/18/2020 19:22	OW
207-08-9	Benzo(k)fluoranthene	0.141		ug/L	0.0588	0.0588	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/18/2020 19:22	OW
85-68-7	Benzyl butyl phthalate	ND		ug/L	1.00	5.88	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 19:11	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.08	5.88	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 19:11	OW
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.76	5.88	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 19:11	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	3.52	5.88	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 19:11	OW
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.588	0.588	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/18/2020 19:22	OW
86-74-8	Carbazole	ND		ug/L	1.54	5.88	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 19:11	OW
218-01-9	Chrysene	0.176		ug/L	0.0588	0.0588	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/18/2020 19:22	OW
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0588	0.0588	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/18/2020 19:22	OW
132-64-9	Dibenzofuran	ND		ug/L	2.84	5.88	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 19:11	OW
84-66-2	Diethyl phthalate	ND		ug/L	3.01	5.88	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 19:11	OW
131-11-3	Dimethyl phthalate	ND		ug/L	2.25	5.88	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 19:11	OW



Sample Information

Client Sample ID: MW2

York Sample ID: 20I0725-02

York Project (SDG) No.
20I0725

Client Project ID
200101 E. 149th St.

Matrix
Water

Collection Date/Time
September 15, 2020 12:00 am

Date Received
09/16/2020

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes:

Sample Notes: EXT-D, EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.41	5.88	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 19:11	OW
117-84-0	Di-n-octyl phthalate	ND		ug/L	1.32	5.88	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 19:11	OW
206-44-0	Fluoranthene	0.647		ug/L	0.0588	0.0588	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/18/2020 19:22	OW
86-73-7	Fluorene	0.471		ug/L	0.0588	0.0588	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/18/2020 19:22	OW
118-74-1	Hexachlorobenzene	ND		ug/L	0.0235	0.0235	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/18/2020 19:22	OW
87-68-3	Hexachlorobutadiene	ND		ug/L	0.588	0.588	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/18/2020 19:22	OW
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	2.98	5.88	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 19:11	OW
67-72-1	Hexachloroethane	ND		ug/L	0.588	0.588	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/18/2020 19:22	OW
193-39-5	Indeno(1,2,3-cd)pyrene	0.129		ug/L	0.0588	0.0588	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/18/2020 19:22	OW
78-59-1	Isophorone	ND		ug/L	3.15	5.88	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 19:11	OW
91-20-3	Naphthalene	203		ug/L	29.4	58.8	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/22/2020 23:53	OW
98-95-3	Nitrobenzene	ND		ug/L	0.294	0.294	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/18/2020 19:22	OW
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.588	0.588	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/18/2020 19:22	OW
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	3.01	5.88	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 19:11	OW
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	5.88	5.88	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 19:11	OW
85-01-8	Phenanthrene	1.00		ug/L	0.0588	0.0588	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/18/2020 19:22	OW
129-00-0	Pyrene	0.541		ug/L	0.0588	0.0588	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/18/2020 19:22	OW
110-86-1	Pyridine	ND		ug/L	4.60	5.88	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 19:11	OW
Surrogate Recoveries		Result	Acceptance Range								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	76.0 %	50.2-113								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	80.8 %	39.9-105								
1718-51-0	Surrogate: SURR: Terphenyl-d14	65.4 %	30.7-106								



Sample Information

Client Sample ID: MW3

York Sample ID: 20I0725-03

York Project (SDG) No.
20I0725

Client Project ID
200101 E. 149th St.

Matrix
Water

Collection Date/Time
September 15, 2020 12:00 am

Date Received
09/16/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	5.0	12	25	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:22	CLO
71-55-6	1,1,1-Trichloroethane	ND		ug/L	5.0	12	25	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:22	CLO
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	5.0	12	25	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:22	CLO
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	5.0	12	25	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:22	CLO
79-00-5	1,1,2-Trichloroethane	ND		ug/L	5.0	12	25	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:22	CLO
75-34-3	1,1-Dichloroethane	ND		ug/L	5.0	12	25	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:22	CLO
75-35-4	1,1-Dichloroethylene	ND		ug/L	5.0	12	25	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:22	CLO
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	5.0	12	25	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/17/2020 09:30	09/17/2020 17:22	CLO
96-18-4	1,2,3-Trichloropropane	ND		ug/L	5.0	12	25	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/17/2020 09:30	09/17/2020 17:22	CLO
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	5.0	12	25	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/17/2020 09:30	09/17/2020 17:22	CLO
95-63-6	1,2,4-Trimethylbenzene	26		ug/L	5.0	12	25	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:22	CLO
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	5.0	12	25	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:22	CLO
106-93-4	1,2-Dibromoethane	ND		ug/L	5.0	12	25	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:22	CLO
95-50-1	1,2-Dichlorobenzene	ND		ug/L	5.0	12	25	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:22	CLO
107-06-2	1,2-Dichloroethane	ND		ug/L	5.0	12	25	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:22	CLO
78-87-5	1,2-Dichloropropane	ND		ug/L	5.0	12	25	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:22	CLO
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	5.0	12	25	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:22	CLO
541-73-1	1,3-Dichlorobenzene	ND		ug/L	5.0	12	25	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:22	CLO
106-46-7	1,4-Dichlorobenzene	ND		ug/L	5.0	12	25	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:22	CLO
123-91-1	1,4-Dioxane	ND		ug/L	1000	1000	25	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/17/2020 09:30	09/17/2020 17:22	CLO
78-93-3	2-Butanone	ND		ug/L	5.0	12	25	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:22	CLO



Sample Information

Client Sample ID: MW3

York Sample ID: 20I0725-03

York Project (SDG) No.
20I0725

Client Project ID
200101 E. 149th St.

Matrix
Water

Collection Date/Time
September 15, 2020 12:00 am

Date Received
09/16/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	5.0	12	25	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:22	CLO
108-10-1	4-Methyl-2-pentanone	ND		ug/L	5.0	12	25	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:22	CLO
67-64-1	Acetone	ND		ug/L	25	50	25	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:22	CLO
107-02-8	Acrolein	ND		ug/L	5.0	12	25	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:22	CLO
107-13-1	Acrylonitrile	ND		ug/L	5.0	12	25	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:22	CLO
71-43-2	Benzene	9.0	J	ug/L	5.0	12	25	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:22	CLO
74-97-5	Bromochloromethane	ND		ug/L	5.0	12	25	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/17/2020 09:30	09/17/2020 17:22	CLO
75-27-4	Bromodichloromethane	ND		ug/L	5.0	12	25	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:22	CLO
75-25-2	Bromoform	ND		ug/L	5.0	12	25	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:22	CLO
74-83-9	Bromomethane	ND		ug/L	5.0	12	25	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:22	CLO
75-15-0	Carbon disulfide	ND		ug/L	5.0	12	25	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:22	CLO
56-23-5	Carbon tetrachloride	ND		ug/L	5.0	12	25	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:22	CLO
108-90-7	Chlorobenzene	ND		ug/L	5.0	12	25	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:22	CLO
75-00-3	Chloroethane	ND		ug/L	5.0	12	25	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:22	CLO
67-66-3	Chloroform	ND		ug/L	5.0	12	25	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:22	CLO
74-87-3	Chloromethane	ND		ug/L	5.0	12	25	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:22	CLO
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	5.0	12	25	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:22	CLO
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	5.0	12	25	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:22	CLO
110-82-7	Cyclohexane	42		ug/L	5.0	12	25	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/17/2020 09:30	09/17/2020 17:22	CLO
124-48-1	Dibromochloromethane	ND		ug/L	5.0	12	25	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:22	CLO
74-95-3	Dibromomethane	ND		ug/L	5.0	12	25	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/17/2020 09:30	09/17/2020 17:22	CLO
75-71-8	Dichlorodifluoromethane	ND		ug/L	5.0	12	25	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/17/2020 09:30	09/17/2020 17:22	CLO



Sample Information

Client Sample ID: MW3

York Sample ID: 20I0725-03

York Project (SDG) No.
20I0725

Client Project ID
200101 E. 149th St.

Matrix
Water

Collection Date/Time
September 15, 2020 12:00 am

Date Received
09/16/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	20		ug/L	5.0	12	25	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:22	CLO
87-68-3	Hexachlorobutadiene	ND		ug/L	5.0	12	25	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/17/2020 09:30	09/17/2020 17:22	CLO
98-82-8	Isopropylbenzene	16		ug/L	5.0	12	25	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:22	CLO
79-20-9	Methyl acetate	ND		ug/L	5.0	12	25	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/17/2020 09:30	09/17/2020 17:22	CLO
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	5.0	12	25	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:22	CLO
108-87-2	Methylcyclohexane	20		ug/L	5.0	12	25	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/17/2020 09:30	09/17/2020 17:22	CLO
75-09-2	Methylene chloride	ND		ug/L	25	50	25	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:22	CLO
104-51-8	n-Butylbenzene	7.8	J	ug/L	5.0	12	25	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:22	CLO
103-65-1	n-Propylbenzene	45		ug/L	5.0	12	25	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:22	CLO
95-47-6	o-Xylene	ND		ug/L	5.0	12	25	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/17/2020 09:30	09/17/2020 17:22	CLO
179601-23-1	p- & m- Xylenes	ND		ug/L	12	25	25	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/17/2020 09:30	09/17/2020 17:22	CLO
99-87-6	p-Isopropyltoluene	ND		ug/L	5.0	12	25	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:22	CLO
135-98-8	sec-Butylbenzene	14		ug/L	5.0	12	25	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:22	CLO
100-42-5	Styrene	ND		ug/L	5.0	12	25	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:22	CLO
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	12	62	25	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/17/2020 09:30	09/17/2020 17:22	CLO
98-06-6	tert-Butylbenzene	ND		ug/L	5.0	12	25	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:22	CLO
127-18-4	Tetrachloroethylene	ND		ug/L	5.0	12	25	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:22	CLO
108-88-3	Toluene	ND		ug/L	5.0	12	25	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:22	CLO
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	5.0	12	25	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:22	CLO
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	5.0	12	25	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:22	CLO
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	5.0	12	25	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:22	CLO
79-01-6	Trichloroethylene	ND		ug/L	5.0	12	25	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:22	CLO



Sample Information

Client Sample ID: MW3

York Sample ID: 20I0725-03

York Project (SDG) No.
20I0725

Client Project ID
200101 E. 149th St.

Matrix
Water

Collection Date/Time
September 15, 2020 12:00 am

Date Received
09/16/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	5.0	12	25	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:22	CLO
75-01-4	Vinyl Chloride	ND		ug/L	5.0	12	25	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:22	CLO
1330-20-7	Xylenes, Total	ND		ug/L	15	38	25	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:22	CLO
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	101 %			69-130						
2037-26-5	Surrogate: SURR: Toluene-d8	112 %			81-117						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	108 %			79-122						

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes:

Sample Notes: EXT-D, EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.47	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 19:41	OW
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.49	5.00	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	09/18/2020 07:58	09/21/2020 19:41	OW
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.61	5.00	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	09/18/2020 07:58	09/21/2020 19:41	OW
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.21	5.00	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	09/18/2020 07:58	09/21/2020 19:41	OW
121-14-2	2,4-Dinitrotoluene	ND		ug/L	1.61	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 19:41	OW
606-20-2	2,6-Dinitrotoluene	ND		ug/L	1.61	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 19:41	OW
91-58-7	2-Chloronaphthalene	ND		ug/L	2.20	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 19:41	OW
91-57-6	2-Methylnaphthalene	ND		ug/L	2.76	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 19:41	OW
88-74-4	2-Nitroaniline	ND		ug/L	1.68	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 19:41	OW
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	1.27	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 19:41	OW
99-09-2	3-Nitroaniline	ND		ug/L	1.68	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 19:41	OW
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	1.33	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 19:41	OW
106-47-8	4-Chloroaniline	ND		ug/L	2.98	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 19:41	OW



Sample Information

Client Sample ID: MW3

York Sample ID: 20I0725-03

York Project (SDG) No.
20I0725

Client Project ID
200101 E. 149th St.

Matrix
Water

Collection Date/Time
September 15, 2020 12:00 am

Date Received
09/16/2020

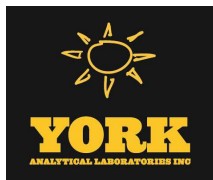
Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes:

Sample Notes: EXT-D, EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.45	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 19:41	OW
100-01-6	4-Nitroaniline	ND		ug/L	2.68	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 19:41	OW
83-32-9	Acenaphthene	0.120		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/18/2020 19:54	OW
208-96-8	Acenaphthylene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/18/2020 19:54	OW
62-53-3	Aniline	ND		ug/L	1.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 19:41	OW
120-12-7	Anthracene	0.0600		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/18/2020 19:54	OW
56-55-3	Benzo(a)anthracene	0.0500	J	ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/18/2020 19:54	OW
50-32-8	Benzo(a)pyrene	0.0600		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/18/2020 19:54	OW
205-99-2	Benzo(b)fluoranthene	0.0800		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/18/2020 19:54	OW
191-24-2	Benzo(g,h,i)perylene	0.0600		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/18/2020 19:54	OW
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/18/2020 19:54	OW
85-68-7	Benzyl butyl phthalate	ND		ug/L	0.852	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 19:41	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	1.77	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 19:41	OW
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 19:41	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.99	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 19:41	OW
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.500	0.500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/18/2020 19:54	OW
86-74-8	Carbazole	ND		ug/L	1.31	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 19:41	OW
218-01-9	Chrysene	0.0600		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/18/2020 19:54	OW
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/18/2020 19:54	OW
132-64-9	Dibenzofuran	ND		ug/L	2.41	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 19:41	OW
84-66-2	Diethyl phthalate	ND		ug/L	2.56	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 19:41	OW
131-11-3	Dimethyl phthalate	ND		ug/L	1.91	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 19:41	OW



Sample Information

Client Sample ID: MW3

York Sample ID: 20I0725-03

York Project (SDG) No.
20I0725

Client Project ID
200101 E. 149th St.

Matrix
Water

Collection Date/Time
September 15, 2020 12:00 am

Date Received
09/16/2020

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes:

Sample Notes: EXT-D, EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.05	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 19:41	OW
117-84-0	Di-n-octyl phthalate	ND		ug/L	1.12	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 19:41	OW
206-44-0	Fluoranthene	0.240		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/18/2020 19:54	OW
86-73-7	Fluorene	0.120		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/18/2020 19:54	OW
118-74-1	Hexachlorobenzene	ND		ug/L	0.0200	0.0200	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/18/2020 19:54	OW
87-68-3	Hexachlorobutadiene	ND		ug/L	0.500	0.500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/18/2020 19:54	OW
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	2.53	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 19:41	OW
67-72-1	Hexachloroethane	ND		ug/L	0.500	0.500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/18/2020 19:54	OW
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/18/2020 19:54	OW
78-59-1	Isophorone	ND		ug/L	2.68	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 19:41	OW
91-20-3	Naphthalene	2.85		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/18/2020 19:54	OW
98-95-3	Nitrobenzene	ND		ug/L	0.250	0.250	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/18/2020 19:54	OW
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.500	0.500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/18/2020 19:54	OW
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.56	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 19:41	OW
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	5.00	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 19:41	OW
85-01-8	Phenanthrene	0.140		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/18/2020 19:54	OW
129-00-0	Pyrene	0.230		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/18/2020 19:54	OW
110-86-1	Pyridine	ND		ug/L	3.91	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 19:41	OW
Surrogate Recoveries		Result		Acceptance Range							
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	47.2 %	S-08	50.2-113							
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	51.4 %		39.9-105							
1718-51-0	Surrogate: SURR: Terphenyl-d14	39.6 %		30.7-106							



Sample Information

Client Sample ID: MW4

York Sample ID: 20I0725-04

York Project (SDG) No.
20I0725

Client Project ID
200101 E. 149th St.

Matrix
Water

Collection Date/Time
September 15, 2020 12:00 am

Date Received
09/16/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:51	CLO
71-55-6	1,1,1-Trichloroethane	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:51	CLO
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:51	CLO
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:51	CLO
79-00-5	1,1,2-Trichloroethane	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:51	CLO
75-34-3	1,1-Dichloroethane	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:51	CLO
75-35-4	1,1-Dichloroethylene	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:51	CLO
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	20	50	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAE	09/17/2020 09:30	09/17/2020 17:51	CLO
96-18-4	1,2,3-Trichloropropane	ND		ug/L	20	50	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAE	09/17/2020 09:30	09/17/2020 17:51	CLO
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	20	50	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAE	09/17/2020 09:30	09/17/2020 17:51	CLO
95-63-6	1,2,4-Trimethylbenzene	42	J	ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:51	CLO
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:51	CLO
106-93-4	1,2-Dibromoethane	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:51	CLO
95-50-1	1,2-Dichlorobenzene	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:51	CLO
107-06-2	1,2-Dichloroethane	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:51	CLO
78-87-5	1,2-Dichloropropane	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:51	CLO
108-67-8	1,3,5-Trimethylbenzene	38	J	ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:51	CLO
541-73-1	1,3-Dichlorobenzene	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:51	CLO
106-46-7	1,4-Dichlorobenzene	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:51	CLO
123-91-1	1,4-Dioxane	ND		ug/L	4000	4000	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAE	09/17/2020 09:30	09/17/2020 17:51	CLO
78-93-3	2-Butanone	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:51	CLO



Sample Information

Client Sample ID: MW4

York Sample ID: 20I0725-04

York Project (SDG) No.
20I0725

Client Project ID
200101 E. 149th St.

Matrix
Water

Collection Date/Time
September 15, 2020 12:00 am

Date Received
09/16/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:51	CLO
108-10-1	4-Methyl-2-pentanone	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:51	CLO
67-64-1	Acetone	ND		ug/L	100	200	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:51	CLO
107-02-8	Acrolein	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:51	CLO
107-13-1	Acrylonitrile	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:51	CLO
71-43-2	Benzene	820		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:51	CLO
74-97-5	Bromochloromethane	ND		ug/L	20	50	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/17/2020 09:30	09/17/2020 17:51	CLO
75-27-4	Bromodichloromethane	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:51	CLO
75-25-2	Bromoform	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:51	CLO
74-83-9	Bromomethane	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:51	CLO
75-15-0	Carbon disulfide	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:51	CLO
56-23-5	Carbon tetrachloride	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:51	CLO
108-90-7	Chlorobenzene	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:51	CLO
75-00-3	Chloroethane	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:51	CLO
67-66-3	Chloroform	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:51	CLO
74-87-3	Chloromethane	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:51	CLO
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:51	CLO
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:51	CLO
110-82-7	Cyclohexane	530		ug/L	20	50	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/17/2020 09:30	09/17/2020 17:51	CLO
124-48-1	Dibromochloromethane	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:51	CLO
74-95-3	Dibromomethane	ND		ug/L	20	50	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/17/2020 09:30	09/17/2020 17:51	CLO
75-71-8	Dichlorodifluoromethane	ND		ug/L	20	50	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/17/2020 09:30	09/17/2020 17:51	CLO



Sample Information

Client Sample ID: MW4

York Sample ID: 20I0725-04

York Project (SDG) No.
20I0725

Client Project ID
200101 E. 149th St.

Matrix
Water

Collection Date/Time
September 15, 2020 12:00 am

Date Received
09/16/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	130		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:51	CLO
87-68-3	Hexachlorobutadiene	ND		ug/L	20	50	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAE	09/17/2020 09:30	09/17/2020 17:51	CLO
98-82-8	Isopropylbenzene	88		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:51	CLO
79-20-9	Methyl acetate	ND		ug/L	20	50	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAE	09/17/2020 09:30	09/17/2020 17:51	CLO
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:51	CLO
108-87-2	Methylcyclohexane	520		ug/L	20	50	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAE	09/17/2020 09:30	09/17/2020 17:51	CLO
75-09-2	Methylene chloride	ND		ug/L	100	200	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:51	CLO
104-51-8	n-Butylbenzene	37	J	ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:51	CLO
103-65-1	n-Propylbenzene	200		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:51	CLO
95-47-6	o-Xylene	28	J	ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/17/2020 09:30	09/17/2020 17:51	CLO
179601-23-1	p- & m- Xylenes	120		ug/L	50	100	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/17/2020 09:30	09/17/2020 17:51	CLO
99-87-6	p-Isopropyltoluene	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:51	CLO
135-98-8	sec-Butylbenzene	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:51	CLO
100-42-5	Styrene	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:51	CLO
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	50	250	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAE	09/17/2020 09:30	09/17/2020 17:51	CLO
98-06-6	tert-Butylbenzene	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:51	CLO
127-18-4	Tetrachloroethylene	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:51	CLO
108-88-3	Toluene	73		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:51	CLO
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:51	CLO
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:51	CLO
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:51	CLO
79-01-6	Trichloroethylene	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:51	CLO



Sample Information

Client Sample ID: MW4

York Sample ID: 20I0725-04

York Project (SDG) No.
20I0725

Client Project ID
200101 E. 149th St.

Matrix
Water

Collection Date/Time
September 15, 2020 12:00 am

Date Received
09/16/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:51	CLO
75-01-4	Vinyl Chloride	ND		ug/L	20	50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:51	CLO
1330-20-7	Xylenes, Total	140	J	ug/L	60	150	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 17:51	CLO
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	101 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	113 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	106 %	79-122								

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes:

Sample Notes: EXT-D, EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.74	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 12:11	09/22/2020 19:04	OW
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.77	5.56	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	09/22/2020 12:11	09/22/2020 19:04	OW
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.90	5.56	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	09/22/2020 12:11	09/22/2020 19:04	OW
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.46	5.56	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	09/22/2020 12:11	09/22/2020 19:04	OW
121-14-2	2,4-Dinitrotoluene	ND		ug/L	1.79	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 12:11	09/22/2020 19:04	OW
606-20-2	2,6-Dinitrotoluene	ND		ug/L	1.79	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 12:11	09/22/2020 19:04	OW
91-58-7	2-Chloronaphthalene	ND		ug/L	2.44	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 12:11	09/22/2020 19:04	OW
91-57-6	2-Methylnaphthalene	24.9		ug/L	3.07	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 12:11	09/22/2020 19:04	OW
88-74-4	2-Nitroaniline	ND		ug/L	1.87	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 12:11	09/22/2020 19:04	OW
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	1.41	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 12:11	09/22/2020 19:04	OW
99-09-2	3-Nitroaniline	ND		ug/L	1.87	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 12:11	09/22/2020 19:04	OW
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	1.48	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 12:11	09/22/2020 19:04	OW
106-47-8	4-Chloroaniline	ND		ug/L	3.31	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 12:11	09/22/2020 19:04	OW



Sample Information

Client Sample ID: MW4

York Sample ID: 20I0725-04

York Project (SDG) No.
20I0725

Client Project ID
200101 E. 149th St.

Matrix
Water

Collection Date/Time
September 15, 2020 12:00 am

Date Received
09/16/2020

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes:

Sample Notes: EXT-D, EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.72	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 12:11	09/22/2020 19:04	OW
100-01-6	4-Nitroaniline	ND		ug/L	2.98	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 12:11	09/22/2020 19:04	OW
83-32-9	Acenaphthene	0.367		ug/L	0.0556	0.0556	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 12:11	09/22/2020 22:53	OW
208-96-8	Acenaphthylene	ND		ug/L	0.0556	0.0556	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 12:11	09/22/2020 22:53	OW
62-53-3	Aniline	ND		ug/L	1.67	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/22/2020 12:11	09/22/2020 19:04	OW
120-12-7	Anthracene	0.100		ug/L	0.0556	0.0556	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 12:11	09/22/2020 22:53	OW
56-55-3	Benzo(a)anthracene	0.100		ug/L	0.0556	0.0556	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 12:11	09/22/2020 22:53	OW
50-32-8	Benzo(a)pyrene	0.0889		ug/L	0.0556	0.0556	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 12:11	09/22/2020 22:53	OW
205-99-2	Benzo(b)fluoranthene	0.0667		ug/L	0.0556	0.0556	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 12:11	09/22/2020 22:53	OW
191-24-2	Benzo(g,h,i)perylene	0.0556	J	ug/L	0.0556	0.0556	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 12:11	09/22/2020 22:53	OW
207-08-9	Benzo(k)fluoranthene	0.0667		ug/L	0.0556	0.0556	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 12:11	09/22/2020 22:53	OW
85-68-7	Benzyl butyl phthalate	ND		ug/L	0.947	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 12:11	09/22/2020 19:04	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	1.97	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 12:11	09/22/2020 19:04	OW
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.67	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 12:11	09/22/2020 19:04	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	3.32	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 12:11	09/22/2020 19:04	OW
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.556	0.556	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 12:11	09/22/2020 22:53	OW
86-74-8	Carbazole	ND		ug/L	1.46	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 12:11	09/22/2020 19:04	OW
218-01-9	Chrysene	0.0889		ug/L	0.0556	0.0556	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 12:11	09/22/2020 22:53	OW
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0556	0.0556	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 12:11	09/22/2020 22:53	OW
132-64-9	Dibenzofuran	ND		ug/L	2.68	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 12:11	09/22/2020 19:04	OW
84-66-2	Diethyl phthalate	ND		ug/L	2.84	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 12:11	09/22/2020 19:04	OW
131-11-3	Dimethyl phthalate	ND		ug/L	2.12	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 12:11	09/22/2020 19:04	OW



Sample Information

Client Sample ID: MW4

York Sample ID: 20I0725-04

York Project (SDG) No.
20I0725

Client Project ID
200101 E. 149th St.

Matrix
Water

Collection Date/Time
September 15, 2020 12:00 am

Date Received
09/16/2020

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes:

Sample Notes: EXT-D, EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.28	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 12:11	09/22/2020 19:04	OW
117-84-0	Di-n-octyl phthalate	ND		ug/L	1.24	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 12:11	09/22/2020 19:04	OW
206-44-0	Fluoranthene	0.311		ug/L	0.0556	0.0556	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 12:11	09/22/2020 22:53	OW
86-73-7	Fluorene	0.211		ug/L	0.0556	0.0556	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/22/2020 12:11	09/22/2020 22:53	OW
118-74-1	Hexachlorobenzene	ND		ug/L	0.0222	0.0222	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 12:11	09/22/2020 22:53	OW
87-68-3	Hexachlorobutadiene	ND		ug/L	0.556	0.556	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 12:11	09/22/2020 22:53	OW
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	2.81	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 12:11	09/22/2020 19:04	OW
67-72-1	Hexachloroethane	ND		ug/L	0.556	0.556	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 12:11	09/22/2020 22:53	OW
193-39-5	Indeno(1,2,3-cd)pyrene	0.0556	J	ug/L	0.0556	0.0556	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 12:11	09/22/2020 22:53	OW
78-59-1	Isophorone	ND		ug/L	2.98	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 12:11	09/22/2020 19:04	OW
91-20-3	Naphthalene	85.8		ug/L	13.9	27.8	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/23/2020 09:41	OW
98-95-3	Nitrobenzene	ND		ug/L	0.278	0.278	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 12:11	09/22/2020 22:53	OW
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.556	0.556	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 12:11	09/22/2020 22:53	OW
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.84	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 12:11	09/22/2020 19:04	OW
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	5.56	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 12:11	09/22/2020 19:04	OW
85-01-8	Phenanthrene	0.456		ug/L	0.0556	0.0556	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 12:11	09/22/2020 22:53	OW
129-00-0	Pyrene	0.311		ug/L	0.0556	0.0556	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 12:11	09/22/2020 22:53	OW
110-86-1	Pyridine	ND		ug/L	4.34	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/22/2020 12:11	09/22/2020 19:04	OW
Surrogate Recoveries		Result	Acceptance Range								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	50.4 %	50.2-113								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	50.4 %	39.9-105								
1718-51-0	Surrogate: SURR: Terphenyl-d14	39.6 %	30.7-106								



Sample Information

Client Sample ID: MW5

York Sample ID: 20I0725-05

York Project (SDG) No.
20I0725

Client Project ID
200101 E. 149th St.

Matrix
Water

Collection Date/Time
September 15, 2020 12:00 am

Date Received
09/16/2020

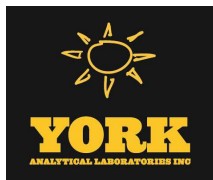
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 18:20	CLO
71-55-6	1,1,1-Trichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 18:20	CLO
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 18:20	CLO
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 18:20	CLO
79-00-5	1,1,2-Trichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 18:20	CLO
75-34-3	1,1-Dichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 18:20	CLO
75-35-4	1,1-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 18:20	CLO
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/17/2020 09:30	09/17/2020 18:20	CLO
96-18-4	1,2,3-Trichloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/17/2020 09:30	09/17/2020 18:20	CLO
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/17/2020 09:30	09/17/2020 18:20	CLO
95-63-6	1,2,4-Trimethylbenzene	210		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 18:20	CLO
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 18:20	CLO
106-93-4	1,2-Dibromoethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 18:20	CLO
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 18:20	CLO
107-06-2	1,2-Dichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 18:20	CLO
78-87-5	1,2-Dichloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 18:20	CLO
108-67-8	1,3,5-Trimethylbenzene	100		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 18:20	CLO
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 18:20	CLO
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 18:20	CLO
123-91-1	1,4-Dioxane	ND		ug/L	400	400	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/17/2020 09:30	09/17/2020 18:20	CLO
78-93-3	2-Butanone	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 18:20	CLO



Sample Information

Client Sample ID: MW5

York Sample ID: 20I0725-05

York Project (SDG) No.
20I0725

Client Project ID
200101 E. 149th St.

Matrix
Water

Collection Date/Time
September 15, 2020 12:00 am

Date Received
09/16/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 18:20	CLO
108-10-1	4-Methyl-2-pentanone	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 18:20	CLO
67-64-1	Acetone	ND		ug/L	10	20	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 18:20	CLO
107-02-8	Acrolein	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 18:20	CLO
107-13-1	Acrylonitrile	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 18:20	CLO
71-43-2	Benzene	88		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 18:20	CLO
74-97-5	Bromochloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/17/2020 09:30	09/17/2020 18:20	CLO
75-27-4	Bromodichloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 18:20	CLO
75-25-2	Bromoform	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 18:20	CLO
74-83-9	Bromomethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 18:20	CLO
75-15-0	Carbon disulfide	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 18:20	CLO
56-23-5	Carbon tetrachloride	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 18:20	CLO
108-90-7	Chlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 18:20	CLO
75-00-3	Chloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 18:20	CLO
67-66-3	Chloroform	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 18:20	CLO
74-87-3	Chloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 18:20	CLO
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 18:20	CLO
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 18:20	CLO
110-82-7	Cyclohexane	260		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/17/2020 09:30	09/17/2020 18:20	CLO
124-48-1	Dibromochloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 18:20	CLO
74-95-3	Dibromomethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/17/2020 09:30	09/17/2020 18:20	CLO
75-71-8	Dichlorodifluoromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/17/2020 09:30	09/17/2020 18:20	CLO



Sample Information

Client Sample ID: MW5

York Sample ID: 20I0725-05

York Project (SDG) No.
20I0725

Client Project ID
200101 E. 149th St.

Matrix
Water

Collection Date/Time
September 15, 2020 12:00 am

Date Received
09/16/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	180		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 18:20	CLO
87-68-3	Hexachlorobutadiene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/17/2020 09:30	09/17/2020 18:20	CLO
98-82-8	Isopropylbenzene	78		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 18:20	CLO
79-20-9	Methyl acetate	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/17/2020 09:30	09/17/2020 18:20	CLO
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 18:20	CLO
108-87-2	Methylcyclohexane	400		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/17/2020 09:30	09/17/2020 18:20	CLO
75-09-2	Methylene chloride	ND		ug/L	10	20	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 18:20	CLO
104-51-8	n-Butylbenzene	29		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 18:20	CLO
103-65-1	n-Propylbenzene	220		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 18:20	CLO
95-47-6	o-Xylene	88		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/17/2020 09:30	09/17/2020 18:20	CLO
179601-23-1	p- & m- Xylenes	490		ug/L	5.0	10	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	09/17/2020 09:30	09/17/2020 18:20	CLO
99-87-6	p-Isopropyltoluene	3.2	J	ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 18:20	CLO
135-98-8	sec-Butylbenzene	13		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 18:20	CLO
100-42-5	Styrene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 18:20	CLO
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	5.0	25	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	09/17/2020 09:30	09/17/2020 18:20	CLO
98-06-6	tert-Butylbenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 18:20	CLO
127-18-4	Tetrachloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 18:20	CLO
108-88-3	Toluene	70		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 18:20	CLO
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 18:20	CLO
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 18:20	CLO
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 18:20	CLO
79-01-6	Trichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 18:20	CLO



Sample Information

Client Sample ID: MW5

York Sample ID: 20I0725-05

York Project (SDG) No.
20I0725

Client Project ID
200101 E. 149th St.

Matrix
Water

Collection Date/Time
September 15, 2020 12:00 am

Date Received
09/16/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 18:20	CLO
75-01-4	Vinyl Chloride	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 18:20	CLO
1330-20-7	Xylenes, Total	580		ug/L	6.0	15	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	09/17/2020 09:30	09/17/2020 18:20	CLO
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	87.4 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	117 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	98.1 %	79-122								

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes:

Sample Notes: EXT-D, EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.47	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 20:42	OW
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.49	5.00	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	09/18/2020 07:58	09/21/2020 20:42	OW
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.61	5.00	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	09/18/2020 07:58	09/21/2020 20:42	OW
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.21	5.00	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	09/18/2020 07:58	09/21/2020 20:42	OW
121-14-2	2,4-Dinitrotoluene	ND		ug/L	1.61	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 20:42	OW
606-20-2	2,6-Dinitrotoluene	ND		ug/L	1.61	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 20:42	OW
91-58-7	2-Chloronaphthalene	ND		ug/L	2.20	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 20:42	OW
91-57-6	2-Methylnaphthalene	48.7		ug/L	5.52	10.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/23/2020 14:20	OW
88-74-4	2-Nitroaniline	ND		ug/L	1.68	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 20:42	OW
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	1.27	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 20:42	OW
99-09-2	3-Nitroaniline	ND		ug/L	1.68	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 20:42	OW
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	1.33	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 20:42	OW
106-47-8	4-Chloroaniline	ND		ug/L	2.98	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 20:42	OW



Sample Information

Client Sample ID: MW5

York Sample ID: 20I0725-05

York Project (SDG) No.
20I0725

Client Project ID
200101 E. 149th St.

Matrix
Water

Collection Date/Time
September 15, 2020 12:00 am

Date Received
09/16/2020

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes:

Sample Notes: EXT-D, EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.45	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 20:42	OW
100-01-6	4-Nitroaniline	ND		ug/L	2.68	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 20:42	OW
83-32-9	Acenaphthene	0.310		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/18/2020 20:25	OW
208-96-8	Acenaphthylene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/18/2020 20:25	OW
62-53-3	Aniline	ND		ug/L	1.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 20:42	OW
120-12-7	Anthracene	0.0700		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/18/2020 20:25	OW
56-55-3	Benzo(a)anthracene	0.0500	J	ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/18/2020 20:25	OW
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/18/2020 20:25	OW
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/18/2020 20:25	OW
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/18/2020 20:25	OW
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/18/2020 20:25	OW
85-68-7	Benzyl butyl phthalate	ND		ug/L	0.852	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 20:42	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	1.77	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 20:42	OW
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 20:42	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.99	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 20:42	OW
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.500	0.500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/18/2020 20:25	OW
86-74-8	Carbazole	ND		ug/L	1.31	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 20:42	OW
218-01-9	Chrysene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/18/2020 20:25	OW
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/18/2020 20:25	OW
132-64-9	Dibenzofuran	ND		ug/L	2.41	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 20:42	OW
84-66-2	Diethyl phthalate	ND		ug/L	2.56	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 20:42	OW
131-11-3	Dimethyl phthalate	ND		ug/L	1.91	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 20:42	OW



Sample Information

Client Sample ID: MW5

York Sample ID: 20I0725-05

York Project (SDG) No.
20I0725

Client Project ID
200101 E. 149th St.

Matrix
Water

Collection Date/Time
September 15, 2020 12:00 am

Date Received
09/16/2020

Semi-Volatiles, 8270 Base/Neutrals

Log-in Notes:

Sample Notes: EXT-D, EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.05	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 20:42	OW
117-84-0	Di-n-octyl phthalate	ND		ug/L	1.12	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 20:42	OW
206-44-0	Fluoranthene	0.210		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/18/2020 20:25	OW
86-73-7	Fluorene	0.200		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/18/2020 20:25	OW
118-74-1	Hexachlorobenzene	ND		ug/L	0.0200	0.0200	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/18/2020 20:25	OW
87-68-3	Hexachlorobutadiene	ND		ug/L	0.500	0.500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/18/2020 20:25	OW
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	2.53	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 20:42	OW
67-72-1	Hexachloroethane	ND		ug/L	0.500	0.500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 20:42	OW
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/18/2020 20:25	OW
78-59-1	Isophorone	ND		ug/L	2.68	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 20:42	OW
91-20-3	Naphthalene	175		ug/L	25.0	50.0	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/23/2020 00:53	OW
98-95-3	Nitrobenzene	ND		ug/L	0.250	0.250	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/18/2020 20:25	OW
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.500	0.500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/18/2020 20:25	OW
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.56	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 20:42	OW
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	5.00	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 20:42	OW
85-01-8	Phenanthrene	0.400		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/18/2020 20:25	OW
129-00-0	Pyrene	0.180		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/18/2020 20:25	OW
110-86-1	Pyridine	ND		ug/L	3.91	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/18/2020 07:58	09/21/2020 20:42	OW
Surrogate Recoveries		Result	Acceptance Range								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	60.2 %	50.2-113								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	66.0 %	39.9-105								
1718-51-0	Surrogate: SURR: Terphenyl-d14	68.6 %	30.7-106								



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
20I0725-01	MW1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
20I0725-02	MW2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
20I0725-03	MW3	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
20I0725-04	MW4	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
20I0725-05	MW5	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

S-08	The recovery of this surrogate was outside of QC limits.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
EXT-EM	The sample exhibited emulsion formation during the extraction process. This may affect surrogate recoveries.
EXT-D	The sample submitted contained sediment. The aqueous portion was decanted off, the volume measured and used for the extraction. The sediment was not included in the extraction.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

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



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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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



Field Chain-of-Custody Record

2010725

Page _____ of _____

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

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

YOUR Information		Report To:		Invoice To:		YOUR Project Number		Turn-Around Time	
Company:	Touchstone	Company:	Touchstone	Company:	Touchstone	200101		RUSH - Next Day	
Address:		Address:		Address:				RUSH - Two Day	
Phone:		Phone:		Phone:		YOUR Project Name		RUSH - Three Day	
Contact:		Contact:		Contact:		E.149th St.		RUSH - Four Day	
								Standard (5-7 Day)	

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

Uebung 1
First
Ataman

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

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested				Container Description
			NY ASP B Package	NJDEP Reduced Deliverables	NJDEP SRP HazSite	Other:	
	GW	9/15/20	EPA Method 8260 and 8270BN			2 vials and 2 vials	
	GW	9/15/20	EPA Method 8260 and 8270BN			2 vials and 2 vials	
	GW	9/15/20	EPA Method 8260 and 8270BN			2 vials and 2 vials	
	GW	9/15/20	EPA Method 8260 and 8270BN			2 vials and 2 vials	
	GW	9/15/20	EPA Method 8260 and 8270BN			2 vials and 2 vials	

Comments:

Comments:	Preservation: (check all that apply)						Special Instruction
	HCl	MeOH	HNO ₃	H ₂ SO ₄	NaOH	ZnAc	
Samples Relinquished by / Company Date/Time	Samples Received by / Company Date/Time	Samples Relinquished by / Company Date/Time	Samples Received by / Company Date/Time	Samples Relinquished by / Company Date/Time	Samples Received by / Company Date/Time	Field Filtered _____ Lab to Filter _____	
ToughTore Cooler 9/16/20 140pm	KB Burkhardt 9/16/20 140pm	KB Burkhardt 9/16/20 140pm	KB Burkhardt 9/16/20 1700				
Samples Relinquished by / Company Date/Time	Samples Received by / Company Date/Time	Samples Relinquished by / Company Date/Time	Samples Received by / Company Date/Time	Samples Relinquished by / Company Date/Time	Samples Received by / Company Date/Time	Temp. Received at Lab 4-8	
Samples Relinquished by / Company Date/Time	Samples Received by / Company Date/Time	Samples Relinquished by / Company Date/Time	Samples Received by / Company Date/Time	Samples Relinquished by / Company Date/Time	Samples Received by / Company Date/Time	Decreases C	

Appendix E
Waste Manifest

NON-HAZARDOUS WASTE MANIFEST #16

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. N Y V S O G		Manifest Document No. 100341		2. Page 1 of 1	
3. Generator's Name and Mailing Address TONY BOEMI 5 EAST 22ND STREET NEW YORK NY 10010				100 EAST 140TH STREET BRONX NY 10451			
4. Generator's Phone (631) 901-1885							
5. Transporter 1 Company Name ISLAND PUMP & TANK CORP		6. US EPA ID Number N Y R 0 0 0 1 0 1 7 2 0		A. State Transporter's ID			
7. Transporter 2 Company Name REPUBLIC ENVIRONMENTAL SYSTEMS		8. US EPA ID Number P A D 0 3 2 6 6 1 3 8 1		B. Transporter 1 Phone 571 162 3220			
9. Designated Facility Name and Site Address NORTHLAND ENVIRONMENTAL 275 ALLENS AVENUE PROVIDENCE RI 02305				C. State Transporter's ID			
				D. Transporter 2 Phone 900 665 5011			
				E. State Facility's ID			
				F. Facility's Phone 401 781-6340			
11. WASTE DESCRIPTION		Containers		13. Total Quantity		14. Unit Wt./Vol.	
		No. Type					
a. NON-RCRA & NON-DOT REGULATED MATERIALS (SOIL CUTTINGS)		001 DM		0 0 3 0 0		P	
b.							
c.							
d.							
G. Additional Descriptions for Materials Listed Above				H. Handling Codes for Wastes Listed Above			
a.				a. R015			
b.				b.			
c.				c.			
d.				d.			
15. Special Handling Instructions and Additional Information 1)							
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.							
Printed/Typed Name				Signature			
				Date Month Day Year 10 26 22			
17. Transporter 1 Acknowledgement of Receipt of Materials				Date			
Printed/Typed Name				Signature			
				Date Month Day Year 10 26 22			
18. Transporter 2 Acknowledgement of Receipt of Materials				Date			
Printed/Typed Name				Signature			
				Date Month Day Year			
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.							
Printed/Typed Name				Signature			
				Date Month Day Year			

NON-HAZARDOUS WASTE

TRANSPORTER

FACILITY