**1032 and 1036-1038 Manhattan Avenue**

**BROOKLYN, NEW YORK**

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# Remedial Investigation Report

**NYC VCP Site Number: 19EH-N399K**

**Prepared for:**

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# REMEDIAL INVESTIGATION REPORT

# TABLE OF CONTENTS


LIST OF ACRONYMS ..... 4
CERTIFICATION ..... 5
EXECUTIVE SUMMARY ..... 6
REMEDIAL INVESTIGATION REPORT ..... 9
1.0 SITE BACKGROUND ..... 9
2.0 SITE HISTORY ..... 11
3.0 PROJECT MANAGEMENT ..... 13
4.1 Geophysical Investigation ..... 14
4.2 Borings and Monitoring Wells ..... 14
4.3 Sample Collection and Chemical Analysis ..... 17
5.0 ENVIRONMENTAL EVALUATION ..... 22
5.1 Geological and Hydrogeological Conditions ..... 22
5.3 Groundwater Chemistry ..... 26
5.4 Soil Vapor Chemistry ..... 27
5.5 Prior Activity ..... 28
5.6 Impediments to Remedial Action ..... 28
6.0 References ..... 29

**FIGURES**

1. Site Location Map
2. Site Map
3. Redevelopment Plan
4. Surrounding Land Use Map
5. Location of Soil Borings, Wells, and Soil Vapor Samples
6. Groundwater Flow Map
7. Map of Soil Chemistry Results
8. Map of Groundwater Chemistry Results
9. Map of Soil Vapor Chemistry Results

**TABLES**

1. Soil Sample Details
2. Monitoring Well Details
3. Groundwater Elevations

4a through 4d. Soil Sample Analytical Data

5a through 5d. Groundwater Sample Analytical Data

6. Soil Vapor and Air Data

**APPENDICES**

A. Phase 1 ESA
B. Soil Boring Geologic Logs
C. Groundwater Logs
D. Soil Vapor Data Sheets
E. Laboratory Analytical Data for Groundwater and Soil Vapor Data

# 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, Rachel Ataman, PG, 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 1032 and 1036 – 1038 Manhattan Avenue in Brooklyn, New York (NYC VCP Site No. **19EH-N399K**). 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.

Rachel Ataman 8/14/19 Rachel

Qualified Environmental Professional Date Signature

# EXECUTIVE SUMMARY

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

**Site Location and Current Usage**

The Site is located in the Greenpoint Section of Brooklyn and is identified as Block 5213 and Lots 5, 6 and 8. The southern portion of the Subject Property is identified as 1032 Manhattan Avenue and is currently not used for any purposes but was recently occupied by a hardware store. This unit contains a vacant partial basement, a 275-gallon AST and are sump pump are located in the western portion. The central portion contains the 1036 Manhattan Avenue property, which consists of a three-story building and the 1038 Manhattan Avenue property contains a one-story building. The main floors of the 1036 and 1038 Manhattan Avenue buildings are connected and are both occupied by Nappa Auto and Truck Parts. Offices are located in the western portion of the building and the eastern portion is used to store automobile parts. A partial basement exists beneath all the 1036 and 1038 Manhattan Avenue buildings, but only the western 2/3rd of the property. These basements are partially empty and partially used for the storage of automobile parts. Two sump pumps are identified in the basements.

**Summary of Proposed Redevelopment Plan**

The development project consists of the construction of a new 8-story mixed use residential and commercial building. The building will most likely include the use of the current basement. The basement may extend one feet beyond the current basement level and may also extend to the eastern portion of the Site.

**Summary of Past Uses of Site and Areas of Concern**

The historic use of 1036 and 1038 Manhattan Avenue as Kelly Cleaners. The City Directory provides evidence this dry-cleaning facility as it is listed at the Subject Property (1036 and 1038 Manhattan Avenue) from 1949 to 1985. The EDR database reveals Kelly Dry Cleaners was generator of hazardous waste; therefore, laundering of clothes was done on-site. In addition, waste manifests for the disposal of spent halogenated solvents were listed in the EDR database.

**Summary of the Work Performed under the Remedial Investigation**

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Installed 6 soil borings across the entire project Site, and collected 13 soil samples for chemical analysis from the soil borings to evaluate soil quality;
3. Installed four groundwater monitoring wells throughout the Site to establish groundwater flow and collected four groundwater samples for chemical analysis to evaluate groundwater quality;
4. Installed 7 soil vapor probes around Site perimeter and collected 7 soil vapor samples, one indoor air and one outdoor air samples for chemical analysis.

**Summary of Environmental Findings**

1. Depth to groundwater ranges from 2.6 to 8.5 feet at the Site.
2. Groundwater flow is generally from east to west beneath the Site.
3. The stratigraphy of the Site consists of a layer of dry silty sand with fill material from surface to 12.5 feet below grade. Fine silty sand was identified beneath the basement slab from zero to approximately 2.5 feet. Moist silty clay is then present from 2.5 to approximately 4 feet. Wet fine-grained sand was identified at approximately 4 feet below the slab. No impacts were noted in the soil obtained from the site. Boring logs are provided in **Appendix B**.
4. Overall the soil results are consistent with fill material typically identified in sites containing urban fill material in NYC. Additionally, levels of chlorinated solvents, which may be related to historical dry-cleaning activities, were identified in the soil beneath the northern portion of the site at concentrations less than the UUSCO.
5. The overall results of the groundwater sampling event indicated the water present beneath the northwest and downgradient portion of the site appears to be impacted by the solvent, cis-1,2-Dichloroethylene. The source of the cis-1,2-Dichloroethylene is currently unknown. cis-1,2-Dichloroethylene was identified in the other downgradient well MW-2

and the upgradient well MW-4. The compounds cis-1,2-Dichloroethylene was also identified in the soil at a concentration less than the UUSCO in the northwest portion of the site (SP-5, 2 to 4 feet); however, this soil could have been impacted by the groundwater fluctuations and does not certainly serve as a source of the cis-1,2-Dichloroethylene in the groundwater.

Additionally, the groundwater beneath the northeast portion of the site has been impacted with levels of PAHs. The PAHS appear to be related to historic fill material identified in this area.

6. Soil gas samples showed petroleum-related VOCs and present at low concentrations. Total BTEX concentrations ranged from 5.36 in SV-1 to 107.0 in SV-6.

   Chlorinated solvents were detected in the vapor samples are generally at low concentrations with the exception of cis-1,2-Dichloroethylene which was detected at a concentration of 150,000 ug/$m^3$ in SV-6. The compounds cis-1,2-Dichloroethylene was detected in SV-5 at a concentration of 10 ug/$m^3$. It was not detected in any other vapor samples but was identified in the indoor air (0.790 ug/$m^3$) and outdoor air (.0990 ug/$m^3$).

# REMEDIAL INVESTIGATION REPORT

## 1.0 SITE BACKGROUND

ASH NYC has enrolled in the New York City Voluntary Cleanup Program (NYC VCP) to investigate and remediate an approximately .25-acre site located at 1032 and 1036-1038 Manhattan Avenue in the Greenpoint section of Brooklyn, New York. Mixed commercial residential use is proposed for the property. The RI work was performed between June 18th and June 26, 2019. This RIR summarizes the nature and extent of contamination and provides sufficient information for establishment of remedial action objectives, evaluation of remedial action alternatives, and selection of a remedy that is protective of human health and the environment consistent with the use of the property pursuant to RCNY§ 43-1407(f).

### 1.1 Site Location and Current Usage

The Site is located in the Greenpoint Section of Brooklyn and is identified as Block 5213 and Lots 5, 6 and 8. **Figure 1** provides a Site Location Map. The southern portion of the Subject Property is identified as 1032 Manhattan Avenue and is currently not used for any purposes, but was recently occupied by a hardware store. This unit contains a vacant partial basement, a 275-gallon AST and are sump pump are located in the western portion. The central portion contains the 1036 Manhattan Avenue property, which consists of a three-story building and the 1038 Manhattan Avenue property contains a one-story building. The main floors of the 1036 and 1038 Manhattan Avenue buildings are connected and are both occupied by Nappa Auto and Truck Parts. Offices are located in the western portion of the building and the eastern portion is used to store automobile parts. A partial basement exists beneath all the 1036 and 1038 Manhattan Avenue buildings, but only the western 2/3rd of the property. These basements are partially empty and partially used for the storage of automobile parts. Two sump pumps are identified in the basements. **Figure 2** provides a Site Plan.

### 1.2 Proposed Redevelopment Plan

The proposed future use of the Site will consist of new 8-story mixed use residential and commercial building. The building will most likely include the use of the current basement. The basement may extend one feet beyond the current basement level and may also extend to the eastern portion of the Site. There will be no open space.

Layout of the proposed site development is presented in **Figure 3**. The current zoning designation is R7A and C2-4. The zoning district R7A are medium-density apartment house districts in much of the Bronx as well as the Upper Side of Manhattan and Brighton Beach in Brooklyn. The height factor regulations encourage lower apartment buildings on smaller zoning lots and on large lots, taller building with less lot coverage. The zoning districts C1-1 through C1-5 and C2-1 through C2-5 districts are commercial overlays mapped within residence districts. Mapped along streets that serve local retail needs, they are found extensively throughout the city's lower- and medium-density areas and occasionally in higher-density districts. The proposed use is consistent with existing zoning for the property.

### 1.3 Description of Surrounding Property

The Subject Property is located in a residential and commercial area. The following properties are identified immediately adjacent to the Subject Property:

| Direction | Adjacent Parcel | Surrounding Parcels |
|---|---|---|
| North | Freeman Street | Multi-story residential and commercial |
| South | Multi-story residential and commercial 1026-1030 Manhattan Avenue | One-story medical |
| East | Multi-story residential | Multi-story residential |
| West | Manhattan Avenue | Multi-story residential and commercial |

The adjacent property to the south, 1026-1030 Manhattan Avenue, is listed in the New York City Office of Environmental Remediation Program (NYCOER) as an "E"-designated site. This site is not expected to impact upon the Subject Property.

The neighborhood is characterized by 4-story to 5-story mixed use residential buildings with store fronts. Based upon a review of google maps, sensitive receptors such as schools, hospitals and day care facilities don't appear to be located within a 500-foot radius of the Site.

**Figure 4** shows the surrounding land usage.

# 2.0 SITE HISTORY

## 2.1 Past Uses and Ownership

Based upon the Phase I ESA performed for the Site by SET dated May 21, 2019, the Site was first developed no later than 1887 and for residential and store purposes. The configuration of the Subject Property in 1887 is similar to the present-day. On the 1951 Sanborn Map the Site is listed as "Paints" and in 1965 is listed as "Paints" and "Dry Cleaner". The Sanborn Maps denote the Dry Cleaner from 1965 to 1996 and Paints from 1951 to 2007.

The City Directory provides further evidence of a dry-cleaning store, Kelly Dry Cleaners, as is listed at the Subject Property (1036 and 1038 Manhattan Avenue) from 1949 to 1985. The EDR database reveals Kelly Dry Cleaners was generator of hazardous waste; therefore, laundering of clothes was likely done on-site.

The Subject Property is located in a historically well-developed area of Brooklyn. Sanborn Maps reveal adjacent property usage has been solely for residential/dwelling and store purposes. An undertaker was noted north of the Subject Property across Freeman Street from 1942 to 2007. City Directory records reveal the adjacent property to the south, 1030 Manhattan Avenue, has been used for residential purposes and as restaurants.

The EDR database reveals the Subject Property is listed as an "E"-designated site, along with adjacent and many nearby properties. The "E"-designation for the Site (and general area) is for hazardous materials and/or noise. The Site was assigned an "E"-designation (E-232) during the Greenpoint-Williamburg Contextual Rezoning action completed by the City in July 2009 (CEQR No. 09CDP056K). Because the Site is listed as an "E"-designated site for hazardous materials, an investigation is required by the New York City Office of Environmental Remediation (NYCOER). Although an "E"-designation has been placed on a property, it does not mean the property is contaminated.

The remaining EDR listings (EDR Historical Cleaner, RCRA NonGen/NLR, FINDS, ECHO, and NY Manifest) are all listed as Kelly Dry Cleaners. Because the Subject Property was occupied by a dry cleaner it is expected that it would be listed in these databases.

## 2.2 Previous Investigations

Previous Investigations have not been performed.

## 2.3 Site Inspection

A Site inspection was performed by Rachel Ataman, PG a Qualified Environmental Professional (QEP) certifying this report to evaluate areas of concern on April 17, 2019

## 2.4 Areas of Concern

Describe areas of concern at the property based on the Phase 1, Phase 2 and site inspection. Areas of Concern generally include areas where existing or former activities are known or suspected to have resulted in generation, manufacture, refinement, transport, storage, handling, treatment, discharge, release and/or disposal of contaminated media. The AOCs identified for this site include:

1. The historic use of 1036 and 1038 Manhattan Avenue as Kelly Cleaners. The City Directory provides evidence this dry-cleaning facility as it is listed at the Subject Property (1036 and 1038 Manhattan Avenue) from 1949 to 1985. The EDR database reveals Kelly Dry Cleaners was generator of hazardous waste; therefore, laundering of clothes was done on-site. In addition, waste manifests for the disposal of spent halogenated solvents were listed in the EDR database. Contamination of the subsurface soils and a vapor intrusion condition cannot be ruled out. However, it should be noted that the current owner, Mr. Marshal Kesten, does not believe Dry Cleaning activities were being performed on-site.

Phase 1 Report is presented in Appendix A. A map showing areas of concern is presented in **Figure 2**.

# 3.0 PROJECT MANAGEMENT

## 3.1 Project Organization

The Qualified Environmental Profession (QEP) responsible for preparation of this RIR is Rachel Ataman, PG. PG Environmental of Hauppauge, New York performed the Ground Penetrating Radar Survey and all drilling operations.

## 3.2 Health and Safety

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

## 3.3 Materials Management

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

## 4.0 REMEDIAL INVESTIGATION ACTIVITIES

SET performed the following scope of work:

5. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
6. Installed 6 soil borings across the entire project Site, and collected 13 soil samples for chemical analysis from the soil borings to evaluate soil quality;
7. Installed four groundwater monitoring wells throughout the Site to establish groundwater flow and collected four groundwater samples for chemical analysis to evaluate groundwater quality;
8. Installed 7 soil vapor probes around Site perimeter and collected 7 soil vapor samples, one indoor air and one outdoor air samples for chemical analysis.

### 4.1 Geophysical Investigation

A Ground Penetrating Radar (GPR) Survey was be performed to determine the locations of the active USTs and underground piping. The GPR survey was also be used to locate any orphaned USTs. The GPR survey was be performed with a GSSI SIR-3000 control unit and a 400-megahertz shielded antenna by PG Environmental. The GPR survey was also be performed to clear the boring location of any underground utilities.

### 4.2 Borings and Monitoring Wells

**Drilling and Soil Logging**

The soil probes were designated SP-1 through SP-6. The soil probes were installed on June 13, 2019, June 14, 2019 and June 18, 2019. The soil probes were installed to properly characterize the site for potential environmental impacts from historic on-site/off-site uses, operations ect. Additionally, the soil probes are intended to address the REC identified during the Phase I ESA and historic fill, as well as to provide general horizontal/vertical characterization across the site for development purposes.

Specifically, soil probe SP-1 and SP-2 were installed in 1032 Manhattan Avenue located in the southern portion of the site. Both probes were installed in the basement of the building until groundwater was encountered at a depth of 4 feet below grade.

Soil probes SP-3 through SP-6 were installed at 1036-1038 in the former dry cleaner. SP-3 through SP-5 were installed in the basement until groundwater was encountered at a depth of 4 feet below grade and soil probe SP-6 was installed at within the building at sidewalk grade until the groundwater was encountered at a depth of 12 feet below grade. A map showing the location of soil borings **Figure** 5.

The borings were installed at 2.5-foot intervals by PG Environmental, Corp of Hauppauge, New York using a Geoprobe® DT22 and a remote geoprobe. Soil borings were sampled at 2.5-foot intervals. The soil samples were screened by visual and olfactory means and using a calibrated photoionization detector (PID).

Results of soil screening are recorded on the soil boring geologic logs. Boring logs were prepared by Rachel Ataman, P.G. 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 and mottling; presence of odor, vapors, soil discoloration; and presence of free and/or residual product. The general soil type consists of silt and sand. Fill material was noted in SP-6 from zero to 12 feet below grade. No levels of any organic vapors were identified in the soil. Soil probe logs are provided as **Appendix *B.***

**Table 1** provides details of the soil sampling event and includes the samples chosen for outside laboratory confirmation.

**Table 1**
**Soil Sample Details**
**1036 Manhattan Avenue, Brooklyn, New York**

| Soil Probe Designation | Total Depth | Date of Sampling | Samples Collected for Analysis | Analysis |
|---|---|---|---|---|
| SP-1 | 4 feet | 6/13/2019 | 0 to 2 feet and 2 to 4 feet | Volatile Organic Compounds by EPA Method 8260;<br><br>Semi-volatile organic compounds by EPA Method 8270;<br><br>Pesticides/PCBs by EPA Method 8081/8082; and<br><br>Target Analyte List metals by EPA Method |
| SP-2 | 4 feet | 6/14/2019 | 0 to 2 feet and 2 to 4 feet | |
| SP-3 | 4 feet | 6/14/2019 | 0 to 2 feet and 2 to 4 feet | |
| SP-4 | 4 feet | 6/14/2019 | 0 to 2 feet and 2 to 4 feet | |
| SP-5 | 4 feet | 6/18/2019 | 0 to 2 feet and 2 to 4 feet | |

| | | | | |
|---|---|---|---|---|
| SP-6 | 12 feet | 6/18/2019 | 0 to 2 feet, 2 to 4 feet and 10 to 12 feet | 6010 and 7471; |

**Figure 2** provides a sampling plan. Photographs of the fieldwork are provided in Appendix B.

**Groundwater Monitoring Well Construction**

Four permanent monitoring wells installed throughout the Site as part of the investigation and sampled. **Figure 5** provides the location of the monitoring wells. Monitoring Well MW-1 was installed in the southern portion, Monitoring Well MW-2 was installed in the central portion and Monitoring Wells MW-3 and MW-4 were installed in the northern portion. The monitoring wells were installed by PG Environmental of Hauppauge, New York on June 14, 2019 and June 18, 2019.

The monitoring wells (MW-1 through MW-4) were installed utilizing similar technology as the soil borings (ie. direct push). The monitoring wells were installed by using 1" solid PVC riser from the surface to a depth of 4 feet below grade and 1-inch riser with 0.01" slotted PVC screen from 4 feet to 15 feet below grade.

**Table 2**
**Monitoring Well Details**
**1036 Manhattan Avenue, Brooklyn, New York**

| Soil Probe Designation | Total Depth | Date of Sampling | Depth to Water | Samples Collected for Analysis | Analysis |
|---|---|---|---|---|---|
| MW-1 | 15 feet | 6/26/2019 | 2.6 feet | MW-1 | Volatile Organic Compounds by EPA Method 8260;Semi-volatile organic compounds by EPA Method 8270;Pesticides/PCBs by EPA Method 8081/8082; and Target Analyte List metals by EPA Method 6010 and 7471; |
| MW-2 | 15 feet | 6/26/2019 | 3.0 feet | MW-2 | |
| MW-3 | 15 feet | 6/26/2019 | 4.5 feet | MW-3 | |
| MW-4 | 22 feet | 6/26/2019 | 9.4 feet | MW-4 | |

**Water Level Measurement**

Approximate groundwater level measurements were collected using a Solinst oil/water interface meter to ensure the surface of the water table was within the screened section of the monitoring well.

The groundwater sampling was conducted on June 26, 2019. Prior to the collection of groundwater samples, the depth to water in each well was measured. Groundwater was encountered at depths ranging from 2.6 feet below basement grade in MW-1 to 4.5 feet below basement grade in MW-3. The groundwater was encountered below the surface grade in MW-4 at 9.4 feet. No free product was observed within the four monitoring wells. Details of the groundwater sampling are provided on Table 2.

## 4.3 Sample Collection and Chemical Analysis

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

**Soil Sampling**

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.

Thirteen soil samples were collected for chemical analysis during this RI. Data on soil sample collection for chemical analyses, including dates of collection and sample depths, is reported in Table 1. **Figure** 5 shows the location of samples collected in this investigation. Laboratories and analytical methods are shown below. Analytical data for soil samples is provided in Tables 4A through 4D.

The thirteen (13) soil samples were collected in pre-cleaned, laboratory supplied glassware, stored in a cooler with ice and submitted for analysis with proper chain of custody to York Analytical Laboratories (York) of 120 Research Drive, Stratford CT 06615, a New York State ELAP certified environmental laboratory (ELAP Certification No. 10854). All soil samples retained during SETs June 2019 sampling event were analyzed for the presence of volatile organic compounds (VOCs) by EPA Method 8260, semi-volatile organic compounds (SVOCs) by EPA Method 8270, pesticides/PCBs by EPA Methods 8081/8082, and target analyte list (TAL) metals.

**Groundwater Sampling**

Four (4) permeant 1-inch diameter groundwater wells were installed by PG Environmental of Hauppauge, New York on June 13, 2019, June 14, 2019 and June 18, 2019. The wells were sampled by SET on June 26, 2019. The samples were collected from the monitoring wells utilizing dedicated polyethylene tubing and a peristaltic pump. Groundwater samples were not collected until at least three well volumes were purged and the groundwater same out of the well less turbid. Groundwater sampling logs are included in this documents as Appendix C. Once the wells were purged, four (4) groundwater samples were collected in pre-cleaned, laboratory supplied glassware stored in a cooler with ice and submitted to York for analysis by presence of

volatile organic compounds (VOCs) by EPA Method 8260, semi-volatile organic compounds (SVOCs) by EPA Method 8270, pesticides/PCBs by EPA Methods 8081/8082, and target analyte list (TAL) metals. **Figure 5** shows the location of groundwater sampling. Laboratories and analytical methods are shown provided on Table 2 and groundwater analytical data is presented on Tables 5A through 5D.

**Soil Vapor Sampling**

Seven soil vapor probes were installed June 13, 2019, June 14, 2019 and June 18, 2019 and seven soil vapor samples were collected for chemical analysis on June 26, 2019. during this RI. Soil vapor sampling locations are shown in **Figure 5**. Soil vapor sample collection data is reported in Table 6. Soil vapor sampling logs are included in Appendix D. Methodologies used for soil vapor assessment conform to the *NYS DOH Final Guidance on Soil Vapor Intrusion, October 2006.*

The soil vapor points installed in the cellar (SV-1, SV-2, SV-4, SV-5 and SV-6) were installed to 2 feet below cellar grade; approximately 2 feet above the water table. The soil vapor point installed in the in the grade level portion of the property (SV-3) was installed 10 feet below sidewalk grade. The approximate locations of each of the soil vapor sample locations are shown on **Figure 5**. The soil vapor probes were installed with the Jack Hammer and are constructed of a 6-inch length of double woven stainless steel wire. The probes were attached to ¼ inch polyethylene tubing which extended approximately 18 inches beyond that needed to reach the surface. The tubing was capped with a ¼ inch plastic end to prevent the infiltration of foreign particles into the tube. Glass beads were placed around the probe to a height of approximately 1 foot above the bottom of the probe. The remainder of the borehole was sealed air tight with a bentonite slurry to the surface.

Prior to sampling, each sampling location was tested to ensure that a proper surface seal had been accomplished. In accordance with NYSDOH guidance (NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York, February 2005), a tracer gas (helium) was used as a quality assurance/quality control device to verify the integrity of the sampling point seal prior to collecting the samples. Prior to testing and collecting samples, the surface immediately surrounding the polyethylene tubing of the vapor implant was sealed using a 1 foot ft by 1 ft square sheet of 2 mil HDPE plastic firmly adhered to a wetted layer of granular bentonite.

Following verification that the surface seal was tight, one to three volumes (i.e., the volume of the sample probe and tube) of air was purged from the implant using a calibrated vacuum pump. After purging, a 6-liter Summa® canister, fitted with a 2-hour flow regulator, was attached to the surface tube of each of the three vapor implants. Prior to initiating sample collection, sample identification, canister number, date and start time were recorded on tags attached to each canister and in a bound field note book. Sampling then proceeded by fully opening the flow control valve on each canister in turn. Immediately after opening the flow control valve on a canister, the initial vacuum (inches of mercury) was recorded in the field book and on the sample tag. When the vacuum level in the canister was between 5 and 6 inches of mercury (approx 2 hours), the flow controller valve was closed, and the final vacuum recorded in the field notebook and on the sample tag.

The soil gas sample identification, date, start time, start vacuum, end time and end vacuum were recorded on tags attached to each canister and on a sample log sheet (**Attachment D**). Samples were submitted to York Lab for laboratory analysis of VOCs EPA Method TO-15.

**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 Rachel Ataman, PG. |
| Chemical Analytical Laboratory | Chemical analytical laboratory(s) used in the RI is NYS ELAP certified and were York Analytical Laboratories. |
| Chemical Analytical Methods | Soil analytical methods:<br>• TAL Metals by EPA Method 6010C (rev. 2007);<br>• VOCs by EPA Method 8260C (rev. 2006);<br>• SVOCs by EPA Method 8270D (rev. 2007);<br>• Pesticides by EPA Method 8081B (rev. 2000);<br>• PCBs by EPA Method 8082A (rev. 2000);<br>Groundwater analytical methods:<br>• TAL Metals by EPA Method 6010C (rev. 2007);<br>• VOCs by EPA Method 8260C (rev. 2006); |

| | |
|---|---|
| | • SVOCs by EPA Method 8270D (rev. 2007);<br>• Pesticides by EPA Method 8081B (rev. 2000);<br>• PCBs by EPA Method 8082A (rev. 2000);<br>Soil vapor analytical methods:<br>• VOCs by TO-15 VOC parameters. |

**Results of Chemical Analyses**

Laboratory data for soil, groundwater and soil vapor are summarized in Table 4A through Table 6 respectively. Laboratory data deliverables for all samples evaluated in this RIR are provided in digital form in Appendix E.

# 5.0 ENVIRONMENTAL EVALUATION

## 5.1 Geological and Hydrogeological Conditions

**Stratigraphy**

The stratigraphy of the Site consists of a layer of dry silty sand with fill material from surface to 12.5 feet below grade. Fine silty sand was identified beneath the basement slab from zero to approximately 2.5 feet. Moist silty clay is then present from 2.5 to approximately 4 feet. Wet fine-grained sand was identified at approximately 4 feet below the slab. No impacts were noted in the soil obtained from the site. Boring logs are provided in **Appendix B**.

**Hydrogeology**

Groundwater was encountered at depths ranging from 2.6 feet below basement grade in MW-1 to 4.5 feet below basement grade in MW-3. The groundwater was encountered below the surface grade in MW-4 at 9.4 feet. 5.2

Soil Chemistry

Soil sample results from the June 2019 Subsurface Investigation were compared to the New York State Department of Environmental Conservation (NYSDEC) Unrestricted Use Soil Cleanup Objectives (UUSCO) and Restricted Residential Use Soil Cleanup Objectives (RUSCO) as presented in 6NYCRR Part 375-6.8. No exceedances of VOCs or PCBs were detected in any of the soil samples collected. The results are summarized below.

- Acetone, a common laboratory contaminant, was identified in soil samples SP-1 (zero to 2 feet), SP-1 (2 to 4 feet), SP03 (2 to 4 feet), SP-4 (zero to 2 feet), and SP-8 (2 to 4 feet) at concentrations ranging from 0.0040 mg/kg in SP-4 (zero to 2 feet) to 0.0170 mg/kg in SP-1 (zero to 2 feet). All of the concentrations of Acetone detected are less than the unrestricted use soil cleanup objective (UUSCO) for Acetone of 0.05 mg/kg.
- Methylene chloride, a common laboratory contaminant, was identified in soil samples SP-5 (zero to 2 feet), SP-5 (2 to 4 feet), SP-6 (zero to 2 feet), SP-6 (2 to 4 feet), SP-6 (10-12 feet). The concentrations of Methylene chloride range from 0.00890 mg/kg in SP-5 (zero to 2 feet) to 0.0130 in SP-5 (2 to 4 feet). All of the concentrations of Methylene chloride detected are less than the UUSCO Methylene chloride of 0.05 mg/kg.
- Three types of chlorinated solvents were detected in the soil probes SP-4 and SP-5 collected from the historical dry-cleaning area at concentrations less than the UUSCO.

Specifically, cis- 1,2-Dichloroethylene was detected in SP-5 (2 to 4 feet) at a concentration of 0.210 mg/kg which is less its UUSCO of 0.25 mg/kg. Tetrachloroethylene was detected in SP-3 (2 to 4 feet), SP-4 (0 to 2 feet), SP-4 (2 to 4 feet), SP-5 (2 to 4 feet) at concentrations ranging from 0.00370 mg/kg in SP-5 (2 to 4 feet) to 0.0160 mg/kg in SP-3 (2 to 4 feet). All of the concentrations of tetrachloroethylene detected were less than its UUSCO of 1.3 mg/kg. The compound, trans-1,2-Dichloroethylenewas detected in SP-5 (2 to 4 feet) at a concentration of 0.00330 mg/kg which is less its UUSCO of 0.19 mg/kg.

- Fill material containing Poly Aromatic Hydrocarbons (PAHs) were identified in the soil beneath the eastern portion of the site as evidenced by the results of SP-1, SP-4 and SP-6. The PAHS detected in SP-1 (zero to 2) included Benzo(b)fluoranthene (0.0885 mg/kg), Benzo(g,h,i)perylene (0.0705 mg/kg), Benzo(k)fluoranthene (0.0952 mg/kg), Chrysene (0.115 mg/kg), Fluoranthene (0.244 mg/kg), Indeno (1,2,3-cd) pyrene (0.0555 mg/kg), Phenanthrene (0.240 mg/kg) and Pyrene 0.231 mg/kg. None of the compounds detected in SP-1 were greater than the UUSCO. The PAHS identified in the zero to 2 foot sample of SP-1 do not extend to the 2 to 4 foot sample from SP-1.

  PAHs detected in SP-4 (zero to 2 feet) included Acenaphthene (3.29 mg/kg), Acenaphthylene (1.880 mg/kg), Anthracene (7.730 mg/kg), Benzo(a)anthracene (20.60 mg/kg), Benzo(a)pyrene (19.5 mg/kg), Benzo(b)fluoranthene (19.5 mg/kg), Benzo(g,h,i)perylene (10.20 mg/kg), Benzo(k)fluoranthene (14.70 mg/kg), Chrysene (19.1 mg/kg), Fluoranthene (45.4 mg/kg), Florene (3.080 mg/kg) and Indeno (1,2,3-cd)pyrene (10.5 mg/kg). Several of these PAHS including Benzo(a)anthracen, Benzo(a)pyrene, Benzo(b)fluoranthene, and Benzo(k)fluoranthene were detected at concentrations exceeding the UUSCO and Restricted Use Soil Cleanup Objective (RUSCO). The PAHS identified in the zero to 2-foot sample of SP-4 do not extend to the 2 to 4 foot sample from SP-4.

  PAHs detected in SP-6 (zero to 2 feet) included Acenaphthene (0.148 mg/kg), Acenaphthylene (0.0983 mg/kg), Anthracene (0.446 mg/kg), Benzo(a)anthracene (1.520 mg/kg), Benzo(a)pyrene (1.590 mg/kg), Benzo(b)fluoranthene (1.550 mg/kg), Benzo(g,h,i)perylene (1.050 mg/kg), Benzo(k)fluoranthene (1.330 mg/kg), Bis(2-ethylhexyl)phthalate (0.0946 mg/kg), Chrysene (1.4 mg/kg), Dibenzo(a,h)anthracene (0.272 mg/kg), Dibenzofuran (0.106 mg/kg), Fluoranthene (2.830 mg/kg), Florene (0.150

mg/kg), Indeno (1,2,3-cd)pyrene (1.010 mg/kg), Phenanthrene (1.970 mg/kg) and Pyrene (2.390 mg/kg). Several of these PAHS including Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene and Chrysene were detected at concentrations exceeding the UUSCO and Restricted Use Soil Cleanup Objective (RUSCO). The PAHS identified in the zero to 2-foot sample of SP-6 extend to the 2 to 4 foot sample and 10 to 12 foot sample from SP-6. These sample results are discussed further in the two paragraphs below.

PAHs detected in SP-6 (2 to 4 feet) included Acenaphthene (0.300 mg/kg), Acenaphthylene (0.228 mg/kg), Anthracene (0.947 mg/kg), Benzo(a)anthracene (2.430 mg/kg), Benzo(a)pyrene (2.070 mg/kg), Benzo(b)fluoranthene (1.940 mg/kg), Benzo(g,h,i)perylene (1.090 mg/kg), Benzo(k)fluoranthene (1.670 mg/kg), Chrysene (2.230 mg/kg), Dibenzo(a,h)anthracene (0.379 mg/kg), Dibenzofuran (0.106 mg/kg), Fluoranthene (4.960 mg/kg), Indeno (1,2,3-cd)pyrene (1.050mg/kg), Phenanthrene (2.960 mg/kg) and Pyrene (4.530 mg/kg). Several of these PAHS including Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene and Dibenzo(a,h)anthracene, were detected at concentrations exceeding the UUSCO and RUSCO.

PAHs detected in SP-6 (10 to 12 feet) included Benzo(a)anthracene (0.0623 mg/kg), Benzo(a)pyrene (0.0606 mg/kg), Benzo(b)fluoranthene (0.0532 mg/kg), Chrysene (0.0623 mg/kg), Fluoranthene (0.143 mg/kg), Phenanthrene (0.141 mg/kg) and Pyrene (0.124 mg/kg). None of the PAHs in SP-6 (10 to 12 feet) were detected at concentrations exceeding the UUSCO.

- Naphthalene was detected in SP-1 (zero to 2 feet), SP-6 (zero to 2 feet) and SP-6 (2 to 4 feet) at concentrations ranging from .0735 mg/kg in SP-6 (zero to 2) to 2.310 mg/kg SP-4 (zero to 2). The concentrations are less than the UUSCO for Naphthalene of 12 mg/kg.
- Other SVOCs including 2,4-Dimethylphenol (0.141 mg/kg), 2-Methylphenol (0.0762 mg/kg), 3- & 4-Methylphenols (0.173 mg/kg), Carbazole (3.300 mg/kg) were detected in SP-4 (zero to 2) at concentrations less than their respective UUSCO.
- Other SVOCs including 2-Methylnaphthalene was detected in SP-6 (2 to 4 feet) at a concentration of 0.0841 mg/kg. The compound 2-Methylnaphthalene does not have a UUSCO or RUSCO standard.

- One Pesticide 4,4'-DDT was detected in the SP-6 (2 to 4) at a concentration of 0.0190 mg/kg which exceeds its UUSCO of 0.0033 mg/kg but is less than its RUSCO of 1.7 mg/kg.
- Several metals including Arsenic, Copper, Lead and Mercury were detected in SP-1 (zero to 2 feet), SP-4 (zero to 2 and 2 to 4 feet), SP-6 (zero to 2 feet and 2 to 4 feet) at concentrations exceeding their respective UUSCO.

  Specifically, Arsenic was detected in the zero to 2-foot sample from SP-6 at a concentration of 16.4 mg/kg which exceeds its UUSCO of 12 mg/kg and its RUSCO of 16 mg/kg. Copper was detected in SP-4, zero to 2 feet (233 mg/kg), SP-4, 2 to 4 feet, 327 mg/kg and SP-6, zero to 2 feet (345 mg/kg) at concentrations exceeding its UUSCO of 50 mg/kg. Additionally, the levels of copper detected in SP-4, 2 to 4 feet and SP-6, 0 to 2 feet also exceed its RUSCO of 270 m mg/kg. Lead was detected in the SP-4, 0 to 4 feet (734 mg/kg), the SP-4, 2 to 4 feet (214 mg/kg), SP-6, 0 to 2 feet (271 mg/kg) and SP-6, 2 to 4 feet (327 mg/kg) at concentrations exceeding its UUSCO of 63 mg/kg. Additionally, the concentration of lead detected in SP-4 (zero to 2 feet) also exceeds its RUSCO of 400 mg/kg. Mercury was detected in SP-1 zero to 2 feet (0.477 mg/kg), SP-4 zero to 2 feet (1.330 mg/kg) and 2 to 4 feet (0.595 mg/kg) and SP-6 zero to 2 feet (0.342 mg/kg) and 2 to 4 feet (1.1 mg/kg) at concentrations exceeding its respective UUSCO of 0.18 mg/kg. The concentrations detected in SP-4, zero to 2 feet and SP-6, 2 to 4 feet also exceed its RUSCO of 0.81 mg/kg.
- Overall the soil results are consistent with fill material typically identified in sites containing urban fill material in NYC. Additionally, levels of chlorinated solvents, which may be related to historical dry-cleaning activities, were identified in the soil beneath the northern portion of the site at concentrations less than the UUSCO.

Data collected during the RI is sufficient to delineate the vertical and horizontal distribution of contaminants in soil/fill at the Site. A summary table of data for chemical analyses performed on soil samples is included in Table 4A through 4D. **Figure 7** shows the location and posts the values for soil/fill that exceed the 6NYCRR Part 375-6.8 Track 2 Soil Cleanup Objectives.

## 5.3 Groundwater Chemistry

Groundwater sample results from SET June 2019 Subsurface Investigation were compared to New York State 6NYCRR Part 703.5 Class GA groundwater quality standards (GQS).

- The VOC, cis-1,2-Dichloroethylene was detected in MW-2 (27 ug/L), MW-3 (8,000 ug/L) and MW-4 (47 ug/L) which exceeds its GQS of 5 ug/L. Additionally, the VOC, Trichloroethylene was detected in MW-1 (2.2 ug/L), MW-2 (2.8 ug/L), MW-3 (1.1 ug/L) and MW-4 (13 ug/L). The concentration of Trichloroethylene detected in MW-4 exceeds its GQS of 5 ug/L.

  Other VOCs including Benzene, Carbon Disulfide, Naphthalene and O-Xylene were detected in the groundwater samples at concentrations less than their respective GQS.

- Several SVOCs including Benzo(a)anthracene (1.720 ug/L), Benzo(a)pyrene (1.440 ug/L), Benzo(b)fluoranthene (1.7 ug/L), Benzo(k)fluoranthene (1.380 ug/L), Chrysene (1.5 ug/L) and Indeno(1,2,3-cd)pyrene (0.6 ug/L) were detected in MW-4 at concentrations exceeding their respective GQS. Other SVOCs including Acenaphthylene, Benzo (g,h,i)perylene, Fluoranthene, Phenanthrene and Pyrene were detected in MW-4 at concentrations less than their respective GQS.

  The SVOC, Bis(2-ethylhexyl)phthalate, was detected in all four groundwater samples at a concentration less than its respective GQS.

  No other SVOCs were detected in the four groundwater samples collected.

- No PCBs, pesticides or elevated metals of concern were detected in the groundwater samples.

- The overall results of the groundwater sampling event indicated the water present beneath the northwest and downgradient portion of the site appears to be impacted by the solvent, cis-1,2-Dichloroethylene. The source of the cis-1,2-Dichloroethylene is currently unknown. cis-1,2-Dichloroethylene was identified in the other downgradient well MW-2 and the upgradient well MW-4. The compounds cis-1,2-Dichloroethylene was also identified in the soil at a concentration less than the UUSCO in the northwest portion of the site (SP-5, 2 to 4 feet); however, this soil could have been impacted by the

groundwater fluctuations and does not certainly serve as a source of the cis-1,2-Dichloroethylene in the groundwater.

Additionally, the groundwater beneath the northeast portion of the site has been impacted with levels of PAHs. The PAHS appear to be related to historic fill material identified in this area.

Data collected during the RI is sufficient to delineate the distribution of contaminants in groundwater at the Site. A summary table of data for chemical analyses performed on groundwater samples is included in Tables 5A through 5D. Exceedances of applicable groundwater standards are shown.

**Figure 8** shows the location and posts the values for groundwater that exceed the New York State 6NYCRR Part 703.5 Class GA groundwater standards.

## 5.4 Soil Vapor Chemistry

Soil vapor samples collected during the June 2019 Subsurface Investigation were compared to the compounds listed in Table 3.1 of the Air Guideline Values Derived by the NYSDOH located in the New York State Department of Health (NYSDOH) Final Guidance for Evaluating Soil Vapor Intrusion dated October 2006. Soil gas samples showed petroleum-related VOCs and present at low concentrations. Total BTEX concentrations ranged from 5.36 in SV-1 to 107.0 in SV-6.

Chlorinated solvents were detected in the vapor samples are generally at low concentrations with the exception of cis-1,2-Dichloroethylene which was detected at a concentration of 150,000 ug/m$^3$ in SV-6 located in the northwest portion of the property. The compounds cis-1,2-Dichloroethylene was detected in SV-5 at a concentration of 10 ug/m$^3$. It was not detected in any other vapor samples but was identified in the indoor air (0.790 ug/m$^3$) and outdoor air (.0990 ug/m$^3$). The concentrations of Tetrachloroethylene range from not detected in SV-1, SV-2, SV-3 and SV-5 to 94 ug/m$^3$ in SP-4. None of the concentrations detected exceed the NYSDOH guidance level for Tetrachloroethylene of 100 ug/m$^3$. The concentrations of Trichlorethylene range from not detected in SV-1, SV-2, SV-3 and SV-7 to 250 ug/m$^3$ in SP-6. Lower levels of Trichloroethylene were detected in SV-4 (4.7 ug/m$^3$), SV-5, (1.3 ug/m$^3$). The concentration of Trichloroethylene detected in SV-6 exceeds the NYSDOH guidance for Trichloroethylene of 5.0 ug/m$^3$. Concentrations of Vinyl Chloride in the vapor samples range from none detected in SV-

1 through SV-4 and SV-7 to 510 ug/$m^3$ in SP-6. The concentration of Vinyl Chloride in SV-5 is 2.10 ug/$m^3$.

Data collected during the RI is sufficient to delineate the distribution of contaminants in soil vapor at the Site. A summary table of data for chemical analyses performed on soil vapor samples is included in Table 6.

**Figure 9** shows the location and posts the values for soil vapor samples with detected concentrations.

## 5.5 Prior Activity

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

## 5.6 Impediments to Remedial Action

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

## 6.0 References


- 6 NYCRR Part 371 - Identification and Listing of Hazardous Wastes
- 6 NYCRR Part 375 - Inactive Hazardous Waste Disposal Sites
- 6 NYCRR Parts 700-706 - Water Quality Standards (June 1998)
- STARS #1 - Petroleum-Contaminated Soil Guidance Policy
- TOGS 1.1.1 - Ambient Water Quality Standards & Guidance Values and Groundwater Effluent Limitations
- Fish and Wildlife Impact Analysis for Inactive Hazardous Waste Sites (October 1994)
- Technical Guidance for Screening Contaminated Sediments (January 1999)
- NYSDOH Indoor Air Sampling & Analysis Guidance (August 8, 2001 or subsequent update)
- NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York (draft October 2004 or subsequent final draft)
- DER Interim Strategy for Groundwater Remediation at Contaminated Sites in New York State
- 6 NYCRR Part 612 - Registration of Petroleum Storage Facilities (February 1992)
- 6 NYCRR Part 613 - Handling and Storage of Petroleum (February 1992)
- 6 NYCRR Part 614 - Standards for New and Substantially Modified Petroleum Storage Tanks (February 1992)
- 40 CFR Part 280 - Technical Standards and Corrective Action Requirements for Owners and Operators of Underground Storage Tanks

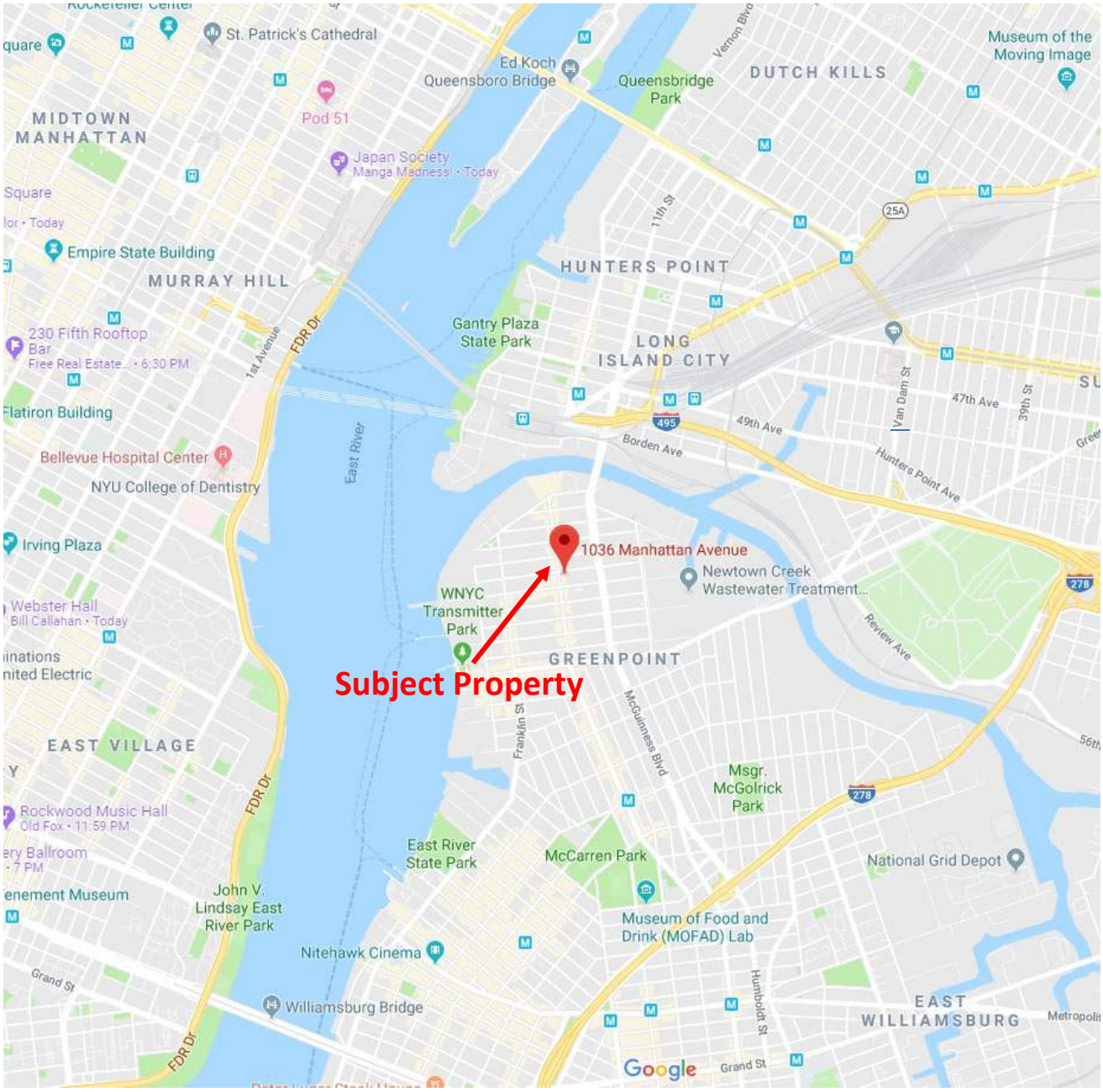
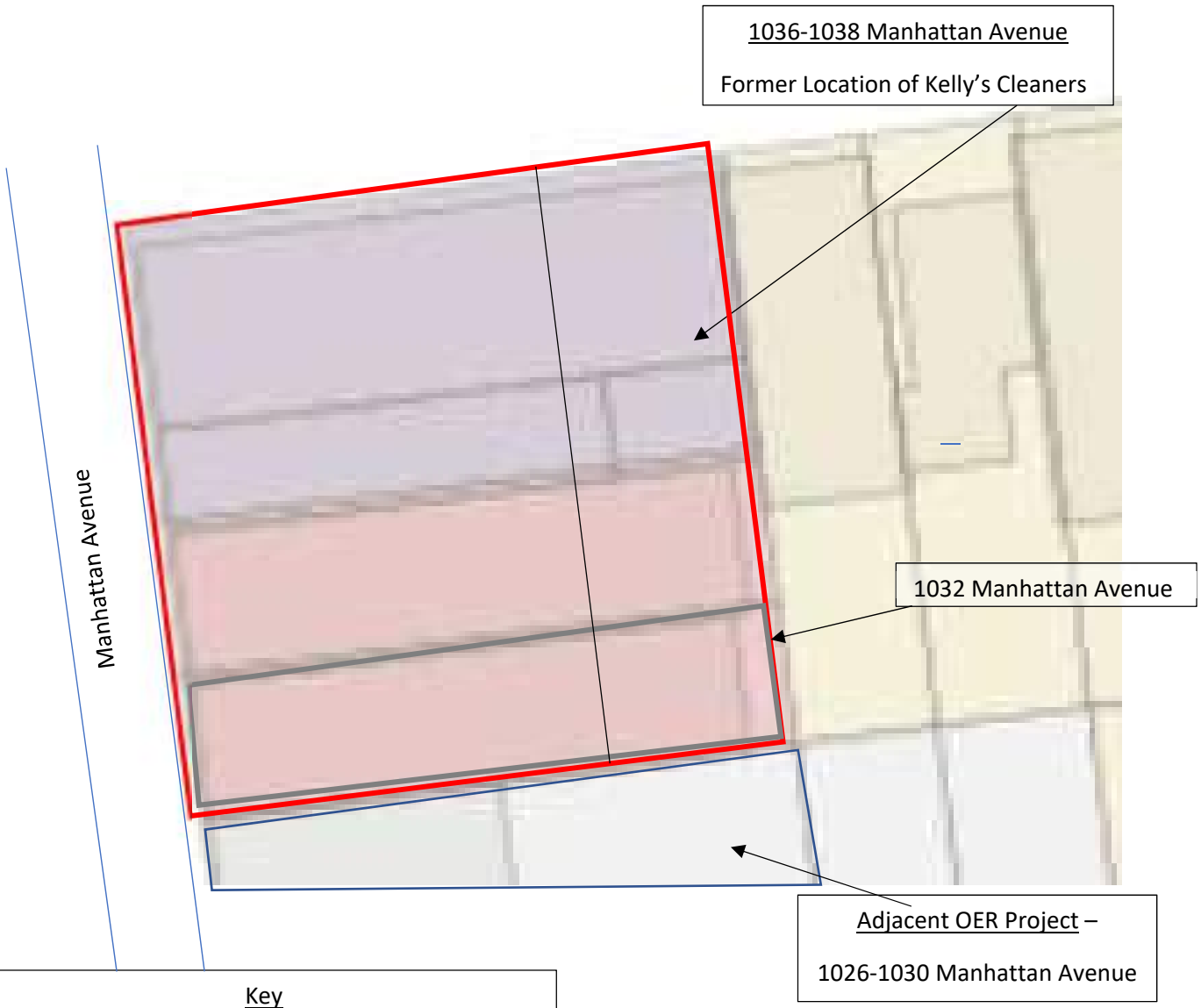



**Figure 1 Site Location Map**
1036 Manhattan Avenue
Brooklyn, New York

STRUCTURAL ENGINEERING TECHNOLOGIES, P.C.




Key

Subject Property Boundary

**Figure 2 Site Map**
1036 Manhattan Avenue
Brooklyn, New York

STRUCTURAL ENGINEERING TECHNOLOGIES, P.C.

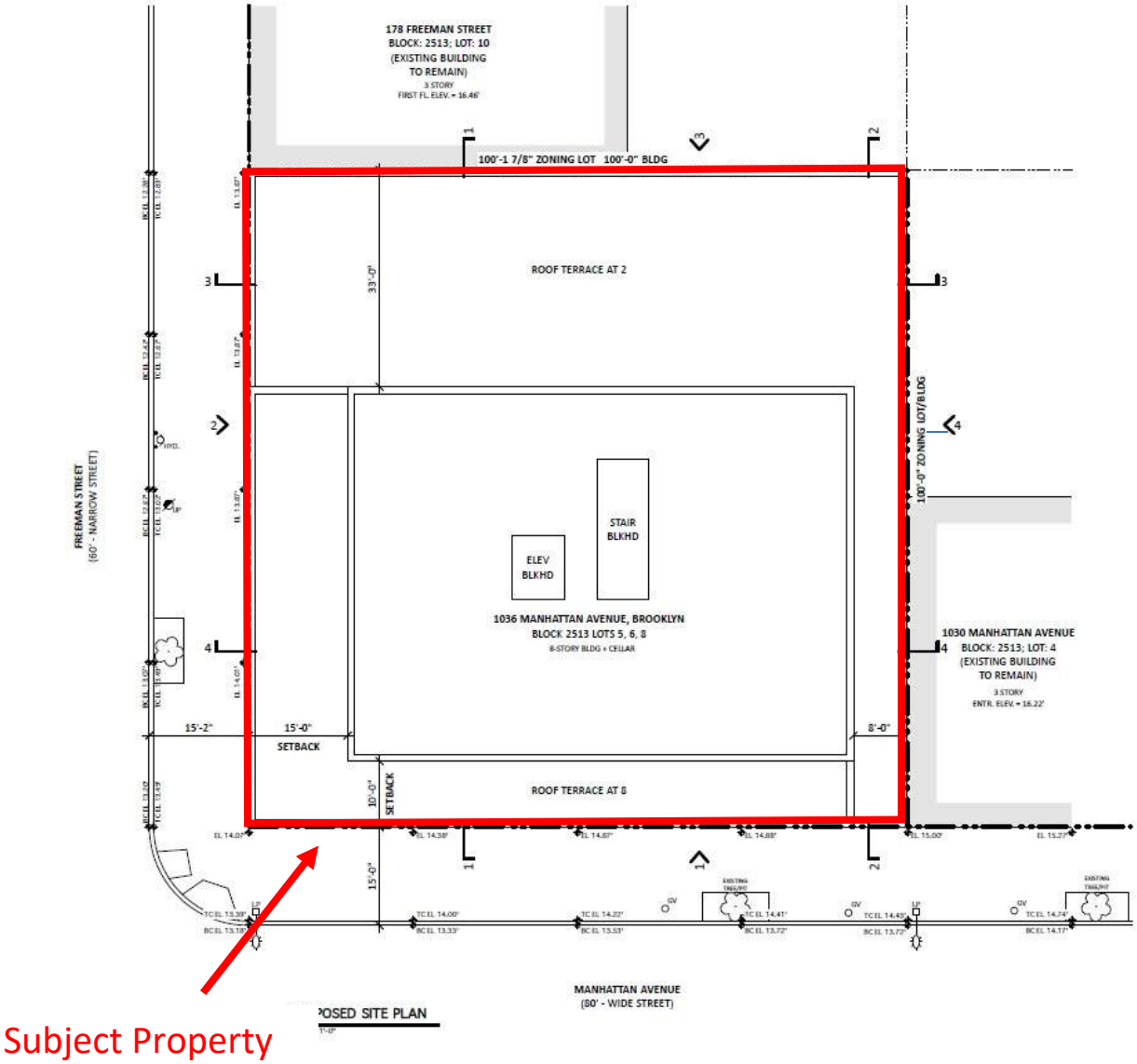
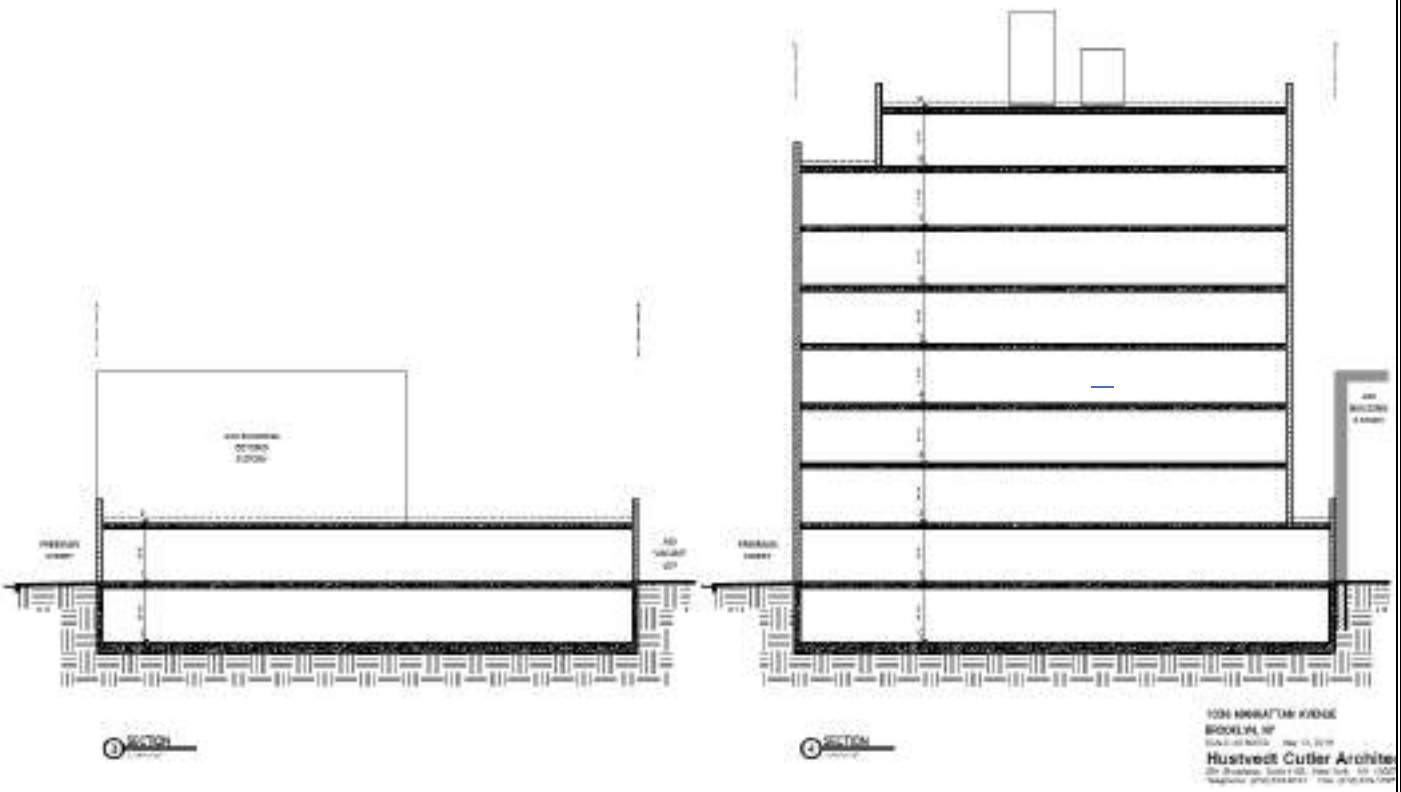



**Figure 3A: Redevelopment Plan**
1036 Manhattan Avenue
Brooklyn, New York

STRUCTURAL ENGINEERING TECHNOLOGIES, P.C.




Side View

**Figure 3B: Redevelopment Plan**
1036 Manhattan Avenue
Brooklyn, New York

STRUCTURAL ENGINEERING TECHNOLOGIES, P.C.

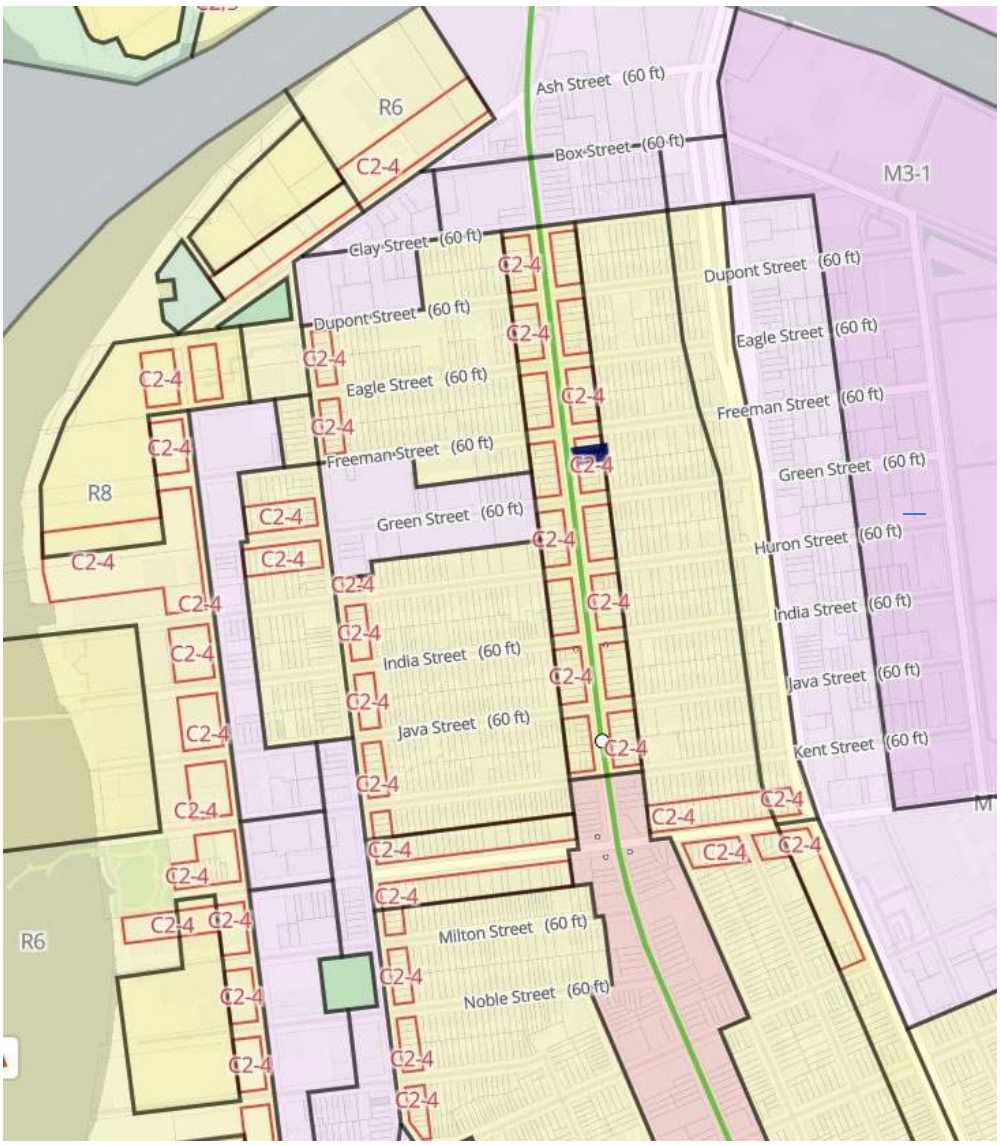



**Figure 4: Surrounding Land Use Map**

1036 Manhattan Avenue
Brooklyn, New York

Zoning Districts

- Commercial Districts
- Manufacturing Districts
- Residential Districts
- Parks
- Battery Park City
- Commercial Overlays
  - C1-1 through C1-5
  - C2-1 through C2-5

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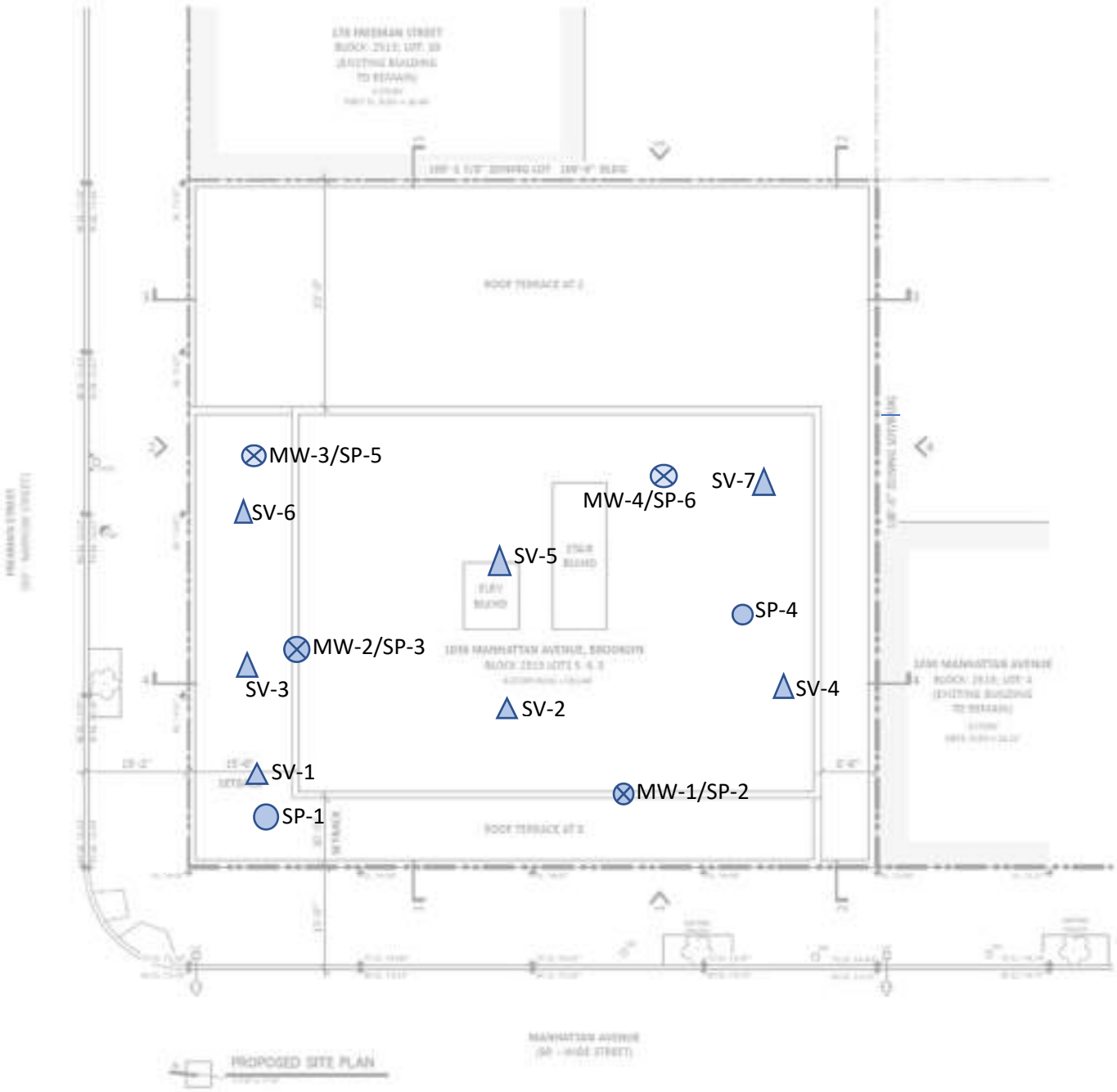


**Figure 4: Sampling Plan**
1036 Manhattan Avenue
Brooklyn, New York

STRUCTURAL ENGINEERING TECHNOLOGIES, P.C.

**Table 4A**
**Volatile Organic Compounds Detected in Soil**
**1036 Manhattan Avenue, Brooklyn, New York**

| Sample ID | SP-1 (0-2) | | SP-1 (2-4) | | SP-2 (0-2) | | SP-2 (2-4) | | SP-3 (0-2) | | SP-3 (2-4) | | SP-4 (0-2) | | SP-4 (2-4) | | SP-5 (0-2) | | SP-5 (2-4) | | SP-6 (0-2) | | SP-6 (10-12) | | SP-6 (2-4) | | NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives | NYSDEC Part 375 Restricted Use Soil Cleanup Objectives-Residential |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Date | 6/13/2019 | | 6/13/2019 | | 6/14/2019 | | 6/14/2019 | | 6/14/2019 | | 6/14/2019 | | 6/14/2019 | | 6/14/2019 | | 6/18/2019 | | 6/18/2019 | | 6/18/2019 | | 6/18/2019 | | 6/18/2019 | | | |
| Matrix | Soil | | Soil | | Soil | | Soil | | Soil | | Soil | | Soil | | Soil | | Soil | | Soil | | Soil | | Soil | | Soil | | | |
| Unit | 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 | | | |
| Compound | Results | Q | Results | Q | Result | Q | Result | Q | Result | Q | Result | Q | Result | Q | Result | Q | Result | Q | Result | Q | Result | Q | Result | Q | Result | Q | | |
| 1,1,1,2-Tetrachloroethane | 0.00240 | U | 0.00250 | U | 0.00280 | U | 0.00210 | U | 0.00240 | U | 0.00220 | U | 0.00190 | U | 0.00250 | U | 0.00320 | U | 0.00320 | U | 0.00270 | U | 0.00310 | U | 0.00280 | U | ~ | ~ |
| 1,1,1-Trichloroethane | 0.00240 | U | 0.00250 | U | 0.00280 | U | 0.00210 | U | 0.00240 | U | 0.00220 | U | 0.00190 | U | 0.00250 | U | 0.00320 | U | 0.00320 | U | 0.00270 | U | 0.00310 | U | 0.00280 | U | 0.68 | 100 |
| 1,1,2,2-Tetrachloroethane | 0.00240 | U | 0.00250 | U | 0.00280 | U | 0.00210 | U | 0.00240 | U | 0.00220 | U | 0.00190 | U | 0.00250 | U | 0.00320 | U | 0.00320 | U | 0.00270 | U | 0.00310 | U | 0.00280 | U | ~ | ~ |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113 | 0.00240 | U | 0.00250 | U | 0.00280 | U | 0.00210 | U | 0.00240 | U | 0.00220 | U | 0.00190 | U | 0.00250 | U | 0.00320 | U | 0.00320 | U | 0.00270 | U | 0.00310 | U | 0.00280 | U | ~ | ~ |
| 1,1,2-Trichloroethane | 0.00240 | U | 0.00250 | U | 0.00280 | U | 0.00210 | U | 0.00240 | U | 0.00220 | U | 0.00190 | U | 0.00250 | U | 0.00320 | U | 0.00320 | U | 0.00270 | U | 0.00310 | U | 0.00280 | U | ~ | ~ |
| 1,1-Dichloroethane | 0.00240 | U | 0.00250 | U | 0.00280 | U | 0.00210 | U | 0.00240 | U | 0.00220 | U | 0.00190 | U | 0.00250 | U | 0.00320 | U | 0.00320 | U | 0.00270 | U | 0.00310 | U | 0.00280 | U | 0.27 | 19 |
| 1,1-Dichloroethylene | 0.00240 | U | 0.00250 | U | 0.00280 | U | 0.00210 | U | 0.00240 | U | 0.00220 | U | 0.00190 | U | 0.00250 | U | 0.00320 | U | 0.00320 | U | 0.00270 | U | 0.00310 | U | 0.00280 | U | 0.33 | 100 |
| 1,2,3-Trichlorobenzene | 0.00240 | U | 0.00250 | U | 0.00280 | U | 0.00210 | U | 0.00240 | U | 0.00220 | U | 0.00190 | U | 0.00250 | U | 0.00320 | U | 0.00320 | U | 0.00270 | U | 0.00310 | U | 0.00280 | U | ~ | ~ |
| 1,2,3-Trichloropropane | 0.00240 | U | 0.00250 | U | 0.00280 | U | 0.00210 | U | 0.00240 | U | 0.00220 | U | 0.00190 | U | 0.00250 | U | 0.00320 | U | 0.00320 | U | 0.00270 | U | 0.00310 | U | 0.00280 | U | ~ | ~ |
| 1,2,4-Trichlorobenzene | 0.00240 | U | 0.00250 | U | 0.00280 | U | 0.00210 | U | 0.00240 | U | 0.00220 | U | 0.00190 | U | 0.00250 | U | 0.00320 | U | 0.00320 | U | 0.00270 | U | 0.00310 | U | 0.00280 | U | ~ | ~ |
| 1,2,4-Trimethylbenzene | 0.00240 | U | 0.00250 | U | 0.00280 | U | 0.00210 | U | 0.00240 | U | 0.00220 | U | 0.00190 | U | 0.00250 | U | 0.00320 | U | 0.00320 | U | 0.00270 | U | 0.00310 | U | 0.00280 | U | 3.6 | 47 |
| 1,2-Dibromo-3-chloropropane | 0.00240 | U | 0.00250 | U | 0.00280 | U | 0.00210 | U | 0.00240 | U | 0.00220 | U | 0.00190 | U | 0.00250 | U | 0.00320 | U | 0.00320 | U | 0.00270 | U | 0.00310 | U | 0.00280 | U | ~ | ~ |
| 1,2-Dibromoethane | 0.00240 | U | 0.00250 | U | 0.00280 | U | 0.00210 | U | 0.00240 | U | 0.00220 | U | 0.00190 | U | 0.00250 | U | 0.00320 | U | 0.00320 | U | 0.00270 | U | 0.00310 | U | 0.00280 | U | ~ | ~ |
| 1,2-Dichlorobenzene | 0.00240 | U | 0.00250 | U | 0.00280 | U | 0.00210 | U | 0.00240 | U | 0.00220 | U | 0.00190 | U | 0.00250 | U | 0.00320 | U | 0.00320 | U | 0.00270 | U | 0.00310 | U | 0.00280 | U | 1.1 | 100 |
| 1,2-Dichloroethane | 0.00240 | U | 0.00250 | U | 0.00280 | U | 0.00210 | U | 0.00240 | U | 0.00220 | U | 0.00190 | U | 0.00250 | U | 0.00320 | U | 0.00320 | U | 0.00270 | U | 0.00310 | U | 0.00280 | U | 0.02 | 2.3 |
| 1,2-Dichloropropane | 0.00240 | U | 0.00250 | U | 0.00280 | U | 0.00210 | U | 0.00240 | U | 0.00220 | U | 0.00190 | U | 0.00250 | U | 0.00320 | U | 0.00320 | U | 0.00270 | U | 0.00310 | U | 0.00280 | U | ~ | ~ |
| 1,3,5-Trimethylbenzene | 0.00240 | U | 0.00250 | U | 0.00280 | U | 0.00210 | U | 0.00240 | U | 0.00220 | U | 0.00190 | U | 0.00250 | U | 0.00320 | U | 0.00320 | U | 0.00270 | U | 0.00310 | U | 0.00280 | U | 8.4 | 47 |
| 1,3-Dichlorobenzene | 0.00240 | U | 0.00250 | U | 0.00280 | U | 0.00210 | U | 0.00240 | U | 0.00220 | U | 0.00190 | U | 0.00250 | U | 0.00320 | U | 0.00320 | U | 0.00270 | U | 0.00310 | U | 0.00280 | U | 2.4 | 17 |
| 1,4-Dichlorobenzene | 0.00240 | U | 0.00250 | U | 0.00280 | U | 0.00210 | U | 0.00240 | U | 0.00220 | U | 0.00190 | U | 0.00250 | U | 0.00320 | U | 0.00320 | U | 0.00270 | U | 0.00310 | U | 0.00280 | U | 1.8 | 9.8 |
| 1,4-Dioxane | 0.0470 | U | 0.0500 | U | 0.0560 | U | 0.0420 | U | 0.0490 | U | 0.0450 | U | 0.0370 | U | 0.0510 | U | 0.0630 | U | 0.0640 | U | 0.0550 | U | 0.0620 | U | 0.0570 | U | 0.1 | 9.8 |
| 2-Butanone | 0.00240 | U | 0.00250 | U | 0.00280 | U | 0.00210 | U | 0.00240 | U | 0.00220 | U | 0.00190 | U | 0.00250 | U | 0.00320 | U | 0.00320 | U | 0.00270 | U | 0.00310 | U | 0.00280 | U | 0.12 | 100 |
| 2-Hexanone | 0.00240 | U | 0.00250 | U | 0.00280 | U | 0.00210 | U | 0.00240 | U | 0.00220 | U | 0.00190 | U | 0.00250 | U | 0.00320 | U | 0.00320 | U | 0.00270 | U | 0.00310 | U | 0.00280 | U | ~ | ~ |
| 4-Methyl-2-pentanone | 0.00240 | U | 0.00250 | U | 0.00280 | U | 0.00210 | U | 0.00240 | U | 0.00220 | U | 0.00190 | U | 0.00250 | U | 0.00320 | U | 0.00320 | U | 0.00270 | U | 0.00310 | U | 0.00280 | U | ~ | ~ |
| Acetone | **0.0170** | | **0.0160** | | 0.00560 | U | **0.00570** | J | 0.00490 | U | **0.0330** | | **0.00400** | J | 0.00510 | U | 0.00630 | U | **0.0120** | J | 0.00550 | U | 0.00620 | U | 0.00570 | U | 0.05 | 100 |
| Acrolein | 0.00470 | U | 0.00500 | U | 0.00560 | U | 0.00420 | U | 0.00490 | U | 0.00450 | U | 0.00370 | U | 0.00510 | U | 0.00630 | U | 0.00640 | U | 0.00550 | U | 0.00620 | U | 0.00570 | U | ~ | ~ |
| Acrylonitrile | 0.00240 | U | 0.00250 | U | 0.00280 | U | 0.00210 | U | 0.00240 | U | 0.00220 | U | 0.00190 | U | 0.00250 | U | 0.00320 | U | 0.00320 | U | 0.00270 | U | 0.00310 | U | 0.00280 | U | ~ | ~ |
| Benzene | 0.00240 | U | 0.00250 | U | 0.00280 | U | 0.00210 | U | 0.00240 | U | 0.00220 | U | 0.00190 | U | 0.00250 | U | 0.00320 | U | 0.00320 | U | 0.00270 | U | 0.00310 | U | 0.00280 | U | 0.06 | 2.9 |
| Bromochloromethane | 0.00240 | U | 0.00250 | U | 0.00280 | U | 0.00210 | U | 0.00240 | U | 0.00220 | U | 0.00190 | U | 0.00250 | U | 0.00320 | U | 0.00320 | U | 0.00270 | U | 0.00310 | U | 0.00280 | U | ~ | ~ |
| Bromodichloromethane | 0.00240 | U | 0.00250 | U | 0.00280 | U | 0.00210 | U | 0.00240 | U | 0.00220 | U | 0.00190 | U | 0.00250 | U | 0.00320 | U | 0.00320 | U | 0.00270 | U | 0.00310 | U | 0.00280 | U | ~ | ~ |
| Bromoform | 0.00240 | U | 0.00250 | U | 0.00280 | U | 0.00210 | U | 0.00240 | U | 0.00220 | U | 0.00190 | U | 0.00250 | U | 0.00320 | U | 0.00320 | U | 0.00270 | U | 0.00310 | U | 0.00280 | U | ~ | ~ |
| Bromomethane | 0.00240 | U | 0.00250 | U | 0.00280 | U | 0.00210 | U | 0.00240 | U | 0.00220 | U | 0.00190 | U | 0.00250 | U | 0.00320 | U | 0.00320 | U | 0.00270 | U | 0.00310 | U | 0.00280 | U | ~ | ~ |
| Carbon disulfide | 0.00240 | U | 0.00250 | U | 0.00280 | U | 0.00210 | U | 0.00240 | U | 0.00220 | U | 0.00190 | U | 0.00250 | U | 0.00320 | U | 0.00320 | U | 0.00270 | U | 0.00310 | U | 0.00280 | U | ~ | ~ |
| Carbon tetrachloride | 0.00240 | U | 0.00250 | U | 0.00280 | U | 0.00210 | U | 0.00240 | U | 0.00220 | U | 0.00190 | U | 0.00250 | U | 0.00320 | U | 0.00320 | U | 0.00270 | U | 0.00310 | U | 0.00280 | U | 0.76 | 1.4 |
| Chlorobenzene | 0.00240 | U | 0.00250 | U | 0.00280 | U | 0.00210 | U | 0.00240 | U | 0.00220 | U | 0.00190 | U | 0.00250 | U | 0.00320 | U | 0.00320 | U | 0.00270 | U | 0.00310 | U | 0.00280 | U | 1.1 | 100 |
| Chloroethane | 0.00240 | U | 0.00250 | U | 0.00280 | U | 0.00210 | U | 0.00240 | U | 0.00220 | U | 0.00190 | U | 0.00250 | U | 0.00320 | U | 0.00320 | U | 0.00270 | U | 0.00310 | U | 0.00280 | U | ~ | ~ |
| Chloroform | 0.00240 | U | 0.00250 | U | 0.00280 | U | 0.00210 | U | 0.00240 | U | 0.00220 | U | 0.00190 | U | 0.00250 | U | 0.00320 | U | 0.00320 | U | 0.00270 | U | 0.00310 | U | 0.00280 | U | 0.37 | 10 |
| Chloromethane | 0.00240 | U | 0.00250 | U | 0.00280 | U | 0.00210 | U | 0.00240 | U | 0.00220 | U | 0.00190 | U | 0.00250 | U | 0.00320 | U | 0.00320 | U | 0.00270 | U | 0.00310 | U | 0.00280 | U | ~ | ~ |
| cis-1,2-Dichloroethylene | 0.00240 | U | 0.00250 | U | 0.00280 | U | 0.00210 | U | 0.00240 | U | 0.00220 | U | 0.00190 | U | 0.00250 | U | 0.00320 | U | **0.210** | | 0.00270 | U | 0.00310 | U | 0.00280 | U | 0.250 | 59 |
| cis-1,3-Dichloropropylene | 0.00240 | U | 0.00250 | U | 0.00280 | U | 0.00210 | U | 0.00240 | U | 0.00220 | U | 0.00190 | U | 0.00250 | U | 0.00320 | U | 0.00320 | U | 0.00270 | U | 0.00310 | U | 0.00280 | U | ~ | ~ |
| Cyclohexane | 0.00240 | U | 0.00250 | U | 0.00280 | U | 0.00210 | U | 0.00240 | U | 0.00220 | U | 0.00190 | U | 0.00250 | U | 0.00320 | U | 0.00320 | U | 0.00270 | U | 0.00310 | U | 0.00280 | U | ~ | ~ |
| Dibromochloromethane | 0.00240 | U | 0.00250 | U | 0.00280 | U | 0.00210 | U | 0.00240 | U | 0.00220 | U | 0.00190 | U | 0.00250 | U | 0.00320 | U | 0.00320 | U | 0.00270 | U | 0.00310 | U | 0.00280 | U | ~ | ~ |
| Dibromomethane | 0.00240 | U | 0.00250 | U | 0.00280 | U | 0.00210 | U | 0.00240 | U | 0.00220 | U | 0.00190 | U | 0.00250 | U | 0.00320 | U | 0.00320 | U | 0.00270 | U | 0.00310 | U | 0.00280 | U | ~ | ~ |
| Dichlorodifluoromethane | 0.00240 | U | 0.00250 | U | 0.00280 | U | 0.00210 | U | 0.00240 | U | 0.00220 | U | 0.00190 | U | 0.00250 | U | 0.00320 | U | 0.00320 | U | 0.00270 | U | 0.00310 | U | 0.00280 | U | ~ | ~ |
| Ethyl Benzene | 0.00240 | U | 0.00250 | U | 0.00280 | U | 0.00210 | U | 0.00240 | U | 0.00220 | U | 0.00190 | U | 0.00250 | U | 0.00320 | U | 0.00320 | U | 0.00270 | U | 0.00310 | U | 0.00280 | U | 1 | 30 |
| Hexachlorobutadiene | 0.00240 | U | 0.00250 | U | 0.00280 | U | 0.00210 | U | 0.00240 | U | 0.00220 | U | 0.00190 | U | 0.00250 | U | 0.00320 | U | 0.00320 | U | 0.00270 | U | 0.00310 | U | 0.00280 | U | ~ | ~ |
| Isopropylbenzene | 0.00240 | U | 0.00250 | U | 0.00280 | U | 0.00210 | U | 0.00240 | U | 0.00220 | U | 0.00190 | U | 0.00250 | U | 0.00320 | U | 0.00320 | U | 0.00270 | U | 0.00310 | U | 0.00280 | U | ~ | ~ |
| Methyl acetate | 0.00240 | U | 0.00250 | U | 0.00280 | U | 0.00210 | U | 0.00240 | U | 0.00220 | U | 0.00190 | U | 0.00250 | U | 0.00320 | U | 0.00320 | U | 0.00270 | U | 0.00310 | U | 0.00280 | U | ~ | ~ |
| Methyl tert-butyl ether (MTBE) | 0.00240 | U | 0.00250 | U | 0.00280 | U | 0.00210 | U | 0.00240 | U | 0.00220 | U | 0.00190 | U | 0.00250 | U | 0.00320 | U | 0.00320 | U | 0.00270 | U | 0.00310 | U | 0.00280 | U | 0.93 | 62 |
| Methylcyclohexane | 0.00240 | U | 0.00250 | U | 0.00280 | U | 0.00210 | U | 0.00240 | U | 0.00220 | U | 0.00190 | U | 0.00250 | U | 0.00320 | U | 0.00320 | U | 0.00270 | U | 0.00310 | U | 0.00280 | U | ~ | ~ |
| Methylene chloride | 0.00470 | U | 0.00500 | U | 0.00560 | U | 0.00420 | U | 0.00490 | U | 0.00450 | U | 0.00370 | U | 0.00510 | U | **0.00890** | J | **0.0130** | | **0.0120** | | 0.00620 | U | **0.00930** | J | 0.05 | 51 |
| n-Butylbenzene | 0.00240 | U | 0.00250 | U | 0.00280 | U | 0.00210 | U | 0.00240 | U | 0.00220 | U | 0.00190 | U | 0.00250 | U | 0.00320 | U | 0.00320 | U | 0.00270 | U | 0.00310 | U | 0.00280 | U | 12 | 100 |
| n-Propylbenzene | 0.00240 | U | 0.00250 | U | 0.00280 | U | 0.00210 | U | 0.00240 | U | 0.00220 | U | 0.00190 | U | 0.00250 | U | 0.00320 | U | 0.00320 | U | 0.00270 | U | 0.00310 | U | 0.00280 | U | 3.9 | 100 |
| o-Xylene | 0.00240 | U | 0.00250 | U | 0.00280 | U | 0.00210 | U | 0.00240 | U | 0.00220 | U | 0.00190 | U | 0.00250 | U | 0.00320 | U | 0.00320 | U | 0.00270 | U | 0.00310 | U | 0.00280 | U | ~ | ~ |
| p- & m- Xylenes | 0.00470 | U | 0.00500 | U | 0.00560 | U | 0.00420 | U | 0.00490 | U | 0.00450 | U | 0.00370 | U | 0.00510 | U | 0.00630 | U | 0.00640 | U | 0.00550 | U | 0.00620 | U | 0.00570 | U | ~ | ~ |
| p-Isopropyltoluene | 0.00240 | U | 0.00250 | U | 0.00280 | U | 0.00210 | U | 0.00240 | U | 0.00220 | U | 0.00190 | U | 0.00250 | U | 0.00320 | U | 0.00320 | U | 0.00270 | U | 0.00310 | U | 0.00280 | U | ~ | ~ |
| sec-Butylbenzene | 0.00240 | U | 0.00250 | U | 0.00280 | U | 0.00210 | U | 0.00240 | U | 0.00220 | U | 0.00190 | U | 0.00250 | U | 0.00320 | U | 0.00320 | U | 0.00270 | U | 0.00310 | U | 0.00280 | U | 11 | 100 |
| Styrene | 0.00240 | U | 0.00250 | U | 0.00280 | U | 0.00210 | U | 0.00240 | U | 0.00220 | U | 0.00190 | U | 0.00250 | U | 0.00320 | U | 0.00320 | U | 0.00270 | U | 0.00310 | U | 0.00280 | U | ~ | ~ |
| tert-Butyl alcohol (TBA) | 0.00240 | U | 0.00250 | U | 0.00280 | U | 0.00210 | U | 0.00240 | U | 0.00220 | U | 0.00190 | U | 0.00250 | U | 0.00320 | U | 0.00320 | U | 0.00270 | U | 0.00310 | U | 0.00280 | U | ~ | ~ |
| tert-Butylbenzene | 0.00240 | U | 0.00250 | U | 0.00280 | U | 0.00210 | U | 0.00240 | U | 0.00220 | U | 0.00190 | U | 0.00250 | U | 0.00320 | U | 0.00320 | U | 0.00270 | U | 0.00310 | U | 0.00280 | U | 5.9 | 100 |
| Tetrachloroethylene | 0.00240 | U | 0.00250 | U | 0.00280 | U | 0.00210 | U | 0.00240 | U | **0.0160** | | **0.0130** | | **0.00930** | | 0.00320 | U | **0.00370** | J | 0.00270 | U | 0.00310 | U | 0.00280 | U | 1.3 | 5.5 |
| Toluene | 0.00240 | U | 0.00250 | U | 0.00280 | U | 0.00210 | U | 0.00240 | U | 0.00220 | U | 0.00190 | U | 0.00250 | U | 0.00320 | U | 0.00320 | U | 0.00270 | U | 0.00310 | U | 0.00280 | U | 0.7 | 100 |
| trans-1,2-Dichloroethylene | 0.00240 | U | 0.00250 | U | 0.00280 | U | 0.00210 | U | 0.00240 | U | 0.00220 | U | 0.00190 | U | 0.00250 | U | 0.00320 | U | **0.00330** | J | 0.00270 | U | 0.00310 | U | 0.00280 | U | 0.190 | 100 |
| trans-1,3-Dichloropropylene | 0.00240 | U | 0.00250 | U | 0.00280 | U | 0.00210 | U | 0.00240 | U | 0.00220 | U | 0.00190 | U | 0.00250 | U | 0.00320 | U | 0.00320 | U | 0.00270 | U | 0.00310 | U | 0.00280 | U | ~ | ~ |
| trans-1,4-dichloro-2-butene | 0.00240 | U | 0.00250 | U | 0.00280 | U | 0.00210 | U | 0.00240 | U | 0.00220 | U | 0.00190 | U | 0.00250 | U | 0.00320 | U | 0.00320 | U | 0.00270 | U | 0.00310 | U | 0.00280 | U | ~ | ~ |
| Trichloroethylene | 0.00240 | U | 0.00250 | U | 0.00280 | U | 0.00210 | U | 0.00240 | U | 0.00220 | U | 0.00190 | U | 0.00250 | U | 0.00320 | U | 0.00320 | U | 0.00270 | U | 0.00310 | U | 0.00280 | U | 0.47 | 10 |
| Trichlorofluoromethane | 0.00240 | U | 0.00250 | U | 0.00280 | U | 0.00210 | U | 0.00240 | U | 0.00220 | U | 0.00190 | U | 0.00250 | U | 0.00320 | U | 0.00320 | U | 0.00270 | U | 0.00310 | U | 0.00280 | U | ~ | ~ |
| Vinyl Chloride | 0.00240 | U | 0.00250 | U | 0.00280 | U | 0.00210 | U | 0.00240 | U | 0.00220 | U | 0.00190 | U | 0.00250 | U | 0.00320 | U | 0.00320 | U | 0.00270 | U | 0.00310 | U | 0.00280 | U | 0.02 | 0.21 |
| Xylenes, Total | 0.00710 | U | 0.00750 | U | 0.00830 | U | 0.00620 | U | 0.00730 | U | 0.00670 | U | 0.00560 | U | 0.00760 | U | 0.00950 | U | 0.00950 | U | 0.00820 | U | 0.00930 | U | 0.00850 | U | 0.26 | 100 |

**NOTES:**

Bolded Concentrations were detected at concentrations greater than their MDL

Highlighted Concentrations were detected at concentrations greater than their UUSCO.

**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

**Table 4B**
**Semi-Volatile Organic Compounds Detected in Soil**
**1036 Manhattan Avenue, Brooklyn, New York**

| Sample ID | SP-1 (0-2) | | SP-1 (2-4) | | SP-2 (0-2) | | SP-2 (2-4) | | SP-3 (0-2) | | SP-3 (2-4) | | SP-4 (0-2) | | SP-4 (2-4) | | SP-5 (0-2) | | SP-5 (2-4) | | SP-6 (0-2) | | SP-6 (10-12) | | SP-6 (2-4) | | NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives | NYSDEC Part 375 Restricted Use Soil Cleanup Objectives-Residential |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Date | 6/13/2019 | | 6/13/2019 | | 6/14/2019 | | 6/14/2019 | | 6/14/2019 | | 6/14/2019 | | 6/14/2019 | | 6/14/2019 | | 6/18/2019 | | 6/18/2019 | | 6/18/2019 | | 6/18/2019 | | 6/18/2019 | | | |
| Matrix | Soil | | Soil | | Soil | | Soil | | Soil | | Soil | | Soil | | Soil | | Soil | | Soil | | Soil | | Soil | | Soil | | | |
| Unit | 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 | | | |
| Compound | Results | Q | Results | Q | Result | Q | Result | Q | Result | Q | Result | Q | Result | Q | Result | Q | Result | Q | Result | Q | Result | Q | Result | Q | Result | Q | | |
| 1,1-Biphenyl | 0.0470 | U | 0.0500 | U | 0.0513 | U | 0.0517 | U | 0.0494 | U | 0.0507 | U | **0.370** | D | 0.0487 | U | 0.0522 | U | 0.0525 | U | 0.0456 | U | 0.0514 | U | 0.0471 | U | ~ | ~ |
| 1,2,4,5-Tetrachlorobenzene | 0.0938 | U | 0.0997 | U | 0.102 | U | 0.103 | U | 0.0986 | U | 0.101 | U | 0.0953 | U | 0.0972 | U | 0.104 | U | 0.105 | U | 0.0911 | U | 0.102 | U | 0.0939 | U | ~ | ~ |
| 1,2,4-Trichlorobenzene | 0.0470 | U | 0.0500 | U | 0.0513 | U | 0.0517 | U | 0.0494 | U | 0.0507 | U | 0.0478 | U | 0.0487 | U | 0.0522 | U | 0.0525 | U | 0.0456 | U | 0.0514 | U | 0.0471 | U | ~ | ~ |
| 1,2-Dichlorobenzene | 0.0470 | U | 0.0500 | U | 0.0513 | U | 0.0517 | U | 0.0494 | U | 0.0507 | U | 0.0478 | U | 0.0487 | U | 0.0522 | U | 0.0525 | U | 0.0456 | U | 0.0514 | U | 0.0471 | U | 1.1 | 100 |
| 1,2-Diphenylhydrazine (as Azobenzene) | 0.0470 | U | 0.0500 | U | 0.0513 | U | 0.0517 | U | 0.0494 | U | 0.0507 | U | 0.0478 | U | 0.0487 | U | 0.0522 | U | 0.0525 | U | 0.0456 | U | 0.0514 | U | 0.0471 | U | ~ | ~ |
| 1,3-Dichlorobenzene | 0.0470 | U | 0.0500 | U | 0.0513 | U | 0.0517 | U | 0.0494 | U | 0.0507 | U | 0.0478 | U | 0.0487 | U | 0.0522 | U | 0.0525 | U | 0.0456 | U | 0.0514 | U | 0.0471 | U | 2.4 | 17 |
| 1,4-Dichlorobenzene | 0.0470 | U | 0.0500 | U | 0.0513 | U | 0.0517 | U | 0.0494 | U | 0.0507 | U | 0.0478 | U | 0.0487 | U | 0.0522 | U | 0.0525 | U | 0.0456 | U | 0.0514 | U | 0.0471 | U | 1.8 | 9.8 |
| 2,3,4,6-Tetrachlorophenol | 0.0938 | U | 0.0997 | U | 0.102 | U | 0.103 | U | 0.0986 | U | 0.101 | U | 0.0953 | U | 0.0972 | U | 0.104 | U | 0.105 | U | 0.0911 | U | 0.102 | U | 0.0939 | U | ~ | ~ |
| 2,4,5-Trichlorophenol | 0.0470 | U | 0.0500 | U | 0.0513 | U | 0.0517 | U | 0.0494 | U | 0.0507 | U | 0.0478 | U | 0.0487 | U | 0.0522 | U | 0.0525 | U | 0.0456 | U | 0.0514 | U | 0.0471 | U | ~ | ~ |
| 2,4,6-Trichlorophenol | 0.0470 | U | 0.0500 | U | 0.0513 | U | 0.0517 | U | 0.0494 | U | 0.0507 | U | 0.0478 | U | 0.0487 | U | 0.0522 | U | 0.0525 | U | 0.0456 | U | 0.0514 | U | 0.0471 | U | ~ | ~ |
| 2,4-Dichlorophenol | 0.0470 | U | 0.0500 | U | 0.0513 | U | 0.0517 | U | 0.0494 | U | 0.0507 | U | 0.0478 | U | 0.0487 | U | 0.0522 | U | 0.0525 | U | 0.0456 | U | 0.0514 | U | 0.0471 | U | ~ | ~ |
| 2,4-Dimethylphenol | 0.0470 | U | 0.0500 | U | 0.0513 | U | 0.0517 | U | 0.0494 | U | 0.0507 | U | **0.141** | D | 0.0487 | U | 0.0522 | U | 0.0525 | U | 0.0456 | U | 0.0514 | U | 0.0471 | U | ~ | ~ |
| 2,4-Dinitrophenol | 0.0938 | U | 0.0997 | U | 0.102 | U | 0.103 | U | 0.0986 | U | 0.101 | U | 0.0953 | U | 0.0972 | U | 0.104 | U | 0.105 | U | 0.0911 | U | 0.102 | U | 0.0939 | U | ~ | ~ |
| 2,4-Dinitrotoluene | 0.0470 | U | 0.0500 | U | 0.0513 | U | 0.0517 | U | 0.0494 | U | 0.0507 | U | 0.0478 | U | 0.0487 | U | 0.0522 | U | 0.0525 | U | 0.0456 | U | 0.0514 | U | 0.0471 | U | ~ | ~ |
| 2,6-Dinitrotoluene | 0.0470 | U | 0.0500 | U | 0.0513 | U | 0.0517 | U | 0.0494 | U | 0.0507 | U | 0.0478 | U | 0.0487 | U | 0.0522 | U | 0.0525 | U | 0.0456 | U | 0.0514 | U | 0.0471 | U | ~ | ~ |
| 2-Chloronaphthalene | 0.0470 | U | 0.0500 | U | 0.0513 | U | 0.0517 | U | 0.0494 | U | 0.0507 | U | 0.0478 | U | 0.0487 | U | 0.0522 | U | 0.0525 | U | 0.0456 | U | 0.0514 | U | 0.0471 | U | ~ | ~ |
| 2-Chlorophenol | 0.0470 | U | 0.0500 | U | 0.0513 | U | 0.0517 | U | 0.0494 | U | 0.0507 | U | 0.0478 | U | 0.0487 | U | 0.0522 | U | 0.0525 | U | 0.0456 | U | 0.0514 | U | 0.0471 | U | ~ | ~ |
| 2-Methylnaphthalene | 0.0470 | U | 0.0500 | U | 0.0513 | U | 0.0517 | U | 0.0494 | U | 0.0507 | U | 1.310 | D | 0.0487 | U | 0.0522 | U | 0.0525 | U | 0.0456 | U | 0.0514 | U | **0.0841** | JD | ~ | ~ |
| 2-Methylphenol | 0.0470 | U | 0.0500 | U | 0.0513 | U | 0.0517 | U | 0.0494 | U | 0.0507 | U | **0.0762** | JD | 0.0487 | U | 0.0522 | U | 0.0525 | U | 0.0456 | U | 0.0514 | U | 0.0471 | U | 0.33 | 100 |
| 2-Nitroaniline | 0.0938 | U | 0.0997 | U | 0.102 | U | 0.103 | U | 0.0986 | U | 0.101 | U | 0.0953 | U | 0.0972 | U | 0.104 | U | 0.105 | U | 0.0911 | U | 0.102 | U | 0.0939 | U | ~ | ~ |
| 2-Nitrophenol | 0.0470 | U | 0.0500 | U | 0.0513 | U | 0.0517 | U | 0.0494 | U | 0.0507 | U | 0.0478 | U | 0.0487 | U | 0.0522 | U | 0.0525 | U | 0.0456 | U | 0.0514 | U | 0.0471 | U | ~ | ~ |
| 3- & 4-Methylphenols | 0.0470 | U | 0.0500 | U | 0.0513 | U | 0.0517 | U | 0.0494 | U | 0.0507 | U | **0.173** | D | 0.0487 | U | 0.0522 | U | 0.0525 | U | 0.0456 | U | 0.0514 | U | 0.0471 | U | ~ | ~ |
| 3,3-Dichlorobenzidine | 0.0470 | U | 0.0500 | U | 0.0513 | U | 0.0517 | U | 0.0494 | U | 0.0507 | U | 0.0478 | U | 0.0487 | U | 0.0522 | U | 0.0525 | U | 0.0456 | U | 0.0514 | U | 0.0471 | U | ~ | ~ |
| 3-Nitroaniline | 0.0938 | U | 0.0997 | U | 0.102 | U | 0.103 | U | 0.0986 | U | 0.101 | U | 0.0953 | U | 0.0972 | U | 0.104 | U | 0.105 | U | 0.0911 | U | 0.102 | U | 0.0939 | U | ~ | ~ |
| 4,6-Dinitro-2-methylphenol | 0.0938 | U | 0.0997 | U | 0.102 | U | 0.103 | U | 0.0986 | U | 0.101 | U | 0.0953 | U | 0.0972 | U | 0.104 | U | 0.105 | U | 0.0911 | U | 0.102 | U | 0.0939 | U | ~ | ~ |
| 4-Bromophenyl phenyl ether | 0.0470 | U | 0.0500 | U | 0.0513 | U | 0.0517 | U | 0.0494 | U | 0.0507 | U | 0.0478 | U | 0.0487 | U | 0.0522 | U | 0.0525 | U | 0.0456 | U | 0.0514 | U | 0.0471 | U | ~ | ~ |
| 4-Chloro-3-methylphenol | 0.0470 | U | 0.0500 | U | 0.0513 | U | 0.0517 | U | 0.0494 | U | 0.0507 | U | 0.0478 | U | 0.0487 | U | 0.0522 | U | 0.0525 | U | 0.0456 | U | 0.0514 | U | 0.0471 | U | ~ | ~ |
| 4-Chloroaniline | 0.0470 | U | 0.0500 | U | 0.0513 | U | 0.0517 | U | 0.0494 | U | 0.0507 | U | 0.0478 | U | 0.0487 | U | 0.0522 | U | 0.0525 | U | 0.0456 | U | 0.0514 | U | 0.0471 | U | ~ | ~ |
| 4-Chlorophenyl phenyl ether | 0.0470 | U | 0.0500 | U | 0.0513 | U | 0.0517 | U | 0.0494 | U | 0.0507 | U | 0.0478 | U | 0.0487 | U | 0.0522 | U | 0.0525 | U | 0.0456 | U | 0.0514 | U | 0.0471 | U | ~ | ~ |
| 4-Nitroaniline | 0.0938 | U | 0.0997 | U | 0.102 | U | 0.103 | U | 0.0986 | U | 0.101 | U | 0.0953 | U | 0.0972 | U | 0.104 | U | 0.105 | U | 0.0911 | U | 0.102 | U | 0.0939 | U | ~ | ~ |
| 4-Nitrophenol | 0.0938 | U | 0.0997 | U | 0.102 | U | 0.103 | U | 0.0986 | U | 0.101 | U | 0.0953 | U | 0.0972 | U | 0.104 | U | 0.105 | U | 0.0911 | U | 0.102 | U | 0.0939 | U | ~ | ~ |
| Acenaphthene | 0.0470 | U | 0.0500 | U | 0.0513 | U | 0.0517 | U | 0.0494 | U | 0.0507 | U | **3.290** | D | 0.0487 | U | 0.0522 | U | 0.0525 | U | **0.148** | D | 0.0514 | U | **0.300** | D | 20 | 100 |
| Acenaphthylene | 0.0470 | U | 0.0500 | U | 0.0513 | U | 0.0517 | U | 0.0494 | U | 0.0507 | U | **1.880** | D | 0.0487 | U | 0.0522 | U | 0.0525 | U | **0.0983** | D | 0.0514 | U | **0.228** | D | 100 | 100 |
| Acetophenone | 0.0470 | U | 0.0500 | U | 0.0513 | U | 0.0517 | U | 0.0494 | U | 0.0507 | U | 0.0478 | U | 0.0487 | U | 0.0522 | U | 0.0525 | U | 0.0456 | U | 0.0514 | U | 0.0471 | U | ~ | ~ |
| Aniline | 0.188 | U | 0.200 | U | 0.205 | U | 0.207 | U | 0.197 | U | 0.202 | U | 0.191 | U | 0.195 | U | 0.208 | U | 0.210 | U | 0.182 | U | 0.205 | U | 0.188 | U | ~ | ~ |
| Anthracene | 0.0470 | U | 0.0500 | U | 0.0513 | U | 0.0517 | U | 0.0494 | U | 0.0507 | U | **7.730** | D | 0.0487 | U | 0.0522 | U | 0.0525 | U | **0.446** | D | 0.0514 | U | **0.947** | D | 100 | 100 |
| Atrazine | 0.0470 | U | 0.0500 | U | 0.0513 | U | 0.0517 | U | 0.0494 | U | 0.0507 | U | 0.0478 | U | 0.0487 | U | 0.0522 | U | 0.0525 | U | 0.0456 | U | 0.0514 | U | 0.0471 | U | ~ | ~ |
| Benzaldehyde | 0.0470 | U | 0.0500 | U | 0.0513 | U | 0.0517 | U | 0.0494 | U | 0.0507 | U | 0.0478 | U | 0.0487 | U | 0.0522 | U | 0.0525 | U | 0.0456 | U | 0.0514 | U | 0.0471 | U | ~ | ~ |
| Benzidine | 0.188 | U | 0.200 | U | 0.205 | U | 0.207 | U | 0.197 | U | 0.202 | U | 0.191 | U | 0.195 | U | 0.208 | U | 0.210 | U | 0.182 | U | 0.205 | U | 0.188 | U | ~ | ~ |
| Benzo(a)anthracene | 0.112 | D | 0.0500 | U | 0.0513 | U | 0.0517 | U | 0.0494 | U | 0.0507 | U | **20.600** | D | 0.0487 | U | 0.0522 | U | 0.0525 | U | **1.520** | D | **0.0623** | JD | **2.430** | D | 1 | 1 |
| Benzo(a)pyrene | 0.113 | D | 0.0500 | U | 0.0513 | U | 0.0517 | U | 0.0494 | U | 0.0507 | U | **19.500** | D | 0.0487 | U | 0.0522 | U | 0.0525 | U | **1.590** | D | **0.0606** | JD | **2.070** | D | 1 | 1 |
| Benzo(b)fluoranthene | **0.0885** | JD | 0.0500 | U | 0.0513 | U | 0.0517 | U | 0.0494 | U | 0.0507 | U | **17.300** | D | 0.0487 | U | 0.0522 | U | 0.0525 | U | **1.550** | D | **0.0532** | JD | **1.940** | D | 1 | 1 |
| Benzo(g,h,i)perylene | **0.0705** | JD | 0.0500 | U | 0.0513 | U | 0.0517 | U | 0.0494 | U | 0.0507 | U | **10.200** | D | 0.0487 | U | 0.0522 | U | 0.0525 | U | 1.050 | D | 0.0514 | U | **1.090** | D | 100 | 100 |
| Benzo(k)fluoranthene | **0.0952** | D | 0.0500 | U | 0.0513 | U | 0.0517 | U | 0.0494 | U | 0.0507 | U | **14.700** | D | 0.0487 | U | 0.0522 | U | 0.0525 | U | **1.330** | D | 0.0514 | U | **1.670** | D | 0.8 | 1 |
| Benzoic acid | 0.0470 | U | 0.0500 | U | 0.0513 | U | 0.0517 | U | 0.0494 | U | 0.0507 | U | 0.0478 | U | 0.0487 | U | 0.0522 | U | 0.0525 | U | 0.0456 | U | 0.0514 | U | 0.0471 | U | ~ | ~ |
| Benzyl alcohol | 0.0470 | U | 0.0500 | U | 0.0513 | U | 0.0517 | U | 0.0494 | U | 0.0507 | U | 0.0478 | U | 0.0487 | U | 0.0522 | U | 0.0525 | U | 0.0456 | U | 0.0514 | U | 0.0471 | U | ~ | ~ |
| Benzyl butyl phthalate | 0.0470 | U | 0.0500 | U | 0.0513 | U | 0.0517 | U | 0.0494 | U | 0.0507 | U | 0.0478 | U | 0.0487 | U | 0.0522 | U | 0.0525 | U | 0.0456 | U | 0.0514 | U | 0.0471 | U | ~ | ~ |
| Bis(2-chloroethoxy)methane | 0.0470 | U | 0.0500 | U | 0.0513 | U | 0.0517 | U | 0.0494 | U | 0.0507 | U | 0.0478 | U | 0.0487 | U | 0.0522 | U | 0.0525 | U | 0.0456 | U | 0.0514 | U | 0.0471 | U | ~ | ~ |
| Bis(2-chloroethyl)ether | 0.0470 | U | 0.0500 | U | 0.0513 | U | 0.0517 | U | 0.0494 | U | 0.0507 | U | 0.0478 | U | 0.0487 | U | 0.0522 | U | 0.0525 | U | 0.0456 | U | 0.0514 | U | 0.0471 | U | ~ | ~ |
| Bis(2-chloroisopropyl)ether | 0.0470 | U | 0.0500 | U | 0.0513 | U | 0.0517 | U | 0.0494 | U | 0.0507 | U | 0.0478 | U | 0.0487 | U | 0.0522 | U | 0.0525 | U | 0.0456 | U | 0.0514 | U | 0.0471 | U | ~ | ~ |
| Bis(2-ethylhexyl)phthalate | 0.0470 | U | 0.0500 | U | 0.0513 | U | 0.0517 | U | 0.0494 | U | 0.0507 | U | 0.0478 | U | 0.0487 | U | 0.0522 | U | 0.0525 | U | **0.0946** | D | 0.0514 | U | 0.0471 | U | ~ | ~ |
| Caprolactam | 0.0938 | U | 0.0997 | U | 0.102 | U | 0.103 | U | 0.0986 | U | 0.101 | U | 0.0953 | U | 0.0972 | U | 0.104 | U | 0.105 | U | 0.0911 | U | 0.102 | U | 0.0939 | U | ~ | ~ |
| Carbazole | 0.0470 | U | 0.0500 | U | 0.0513 | U | 0.0517 | U | 0.0494 | U | 0.0507 | U | **3.300** | D | 0.0487 | U | 0.0522 | U | 0.0525 | U | **0.235** | D | 0.0514 | U | **0.481** | D | ~ | ~ |
| Chrysene | **0.115** | D | 0.0500 | U | 0.0513 | U | 0.0517 | U | 0.0494 | U | 0.0507 | U | **19.100** | D | 0.0487 | U | 0.0522 | U | 0.0525 | U | **1.400** | D | **0.0623** | JD | **2.230** | D | 1 | 1 |
| Dibenzo(a,h)anthracene | 0.0470 | U | 0.0500 | U | 0.0513 | U | 0.0517 | U | 0.0494 | U | 0.0507 | U | **2.870** | D | 0.0487 | U | 0.0522 | U | 0.0525 | U | **0.272** | D | 0.0514 | U | **0.379** | D | 0.33 | 0.33 |
| Dibenzofuran | 0.0470 | U | 0.0500 | U | 0.0513 | U | 0.0517 | U | 0.0494 | U | 0.0507 | U | 2.370 | D | 0.0487 | U | 0.0522 | U | 0.0525 | U | **0.106** | D | 0.0514 | U | 0.215 | D | 7 | 14 |
| Diethyl phthalate | 0.0470 | U | 0.0500 | U | 0.0513 | U | 0.0517 | U | 0.0494 | U | 0.0507 | U | 0.0478 | U | 0.0487 | U | 0.0522 | U | 0.0525 | U | 0.0456 | U | 0.0514 | U | 0.0471 | U | ~ | ~ |
| Dimethyl phthalate | 0.0470 | U | 0.0500 | U | 0.0513 | U | 0.0517 | U | 0.0494 | U | 0.0507 | U | 0.0478 | U | 0.0487 | U | 0.0522 | U | 0.0525 | U | 0.0456 | U | 0.0514 | U | 0.0471 | U | ~ | ~ |
| Di-n-butyl phthalate | 0.0470 | U | 0.0500 | U | 0.0513 | U | 0.0517 | U | 0.0494 | U | 0.0507 | U | 0.0478 | U | 0.0487 | U | 0.0522 | U | 0.0525 | U | 0.0456 | U | 0.0514 | U | 0.0471 | U | ~ | ~ |
| Di-n-octyl phthalate | 0.0470 | U | 0.0500 | U | 0.0513 | U | 0.0517 | U | 0.0494 | U | 0.0507 | U | 0.0478 | U | 0.0487 | U | 0.0522 | U | 0.0525 | U | 0.0456 | U | 0.0514 | U | 0.0471 | U | ~ | ~ |
| Fluoranthene | **0.244** | D | 0.0500 | U | 0.0513 | U | 0.0517 | U | 0.0494 | U | 0.0507 | U | **45.400** | D | 0.0487 | U | 0.0522 | U | 0.0525 | U | **2.830** | D | **0.143** | D | **4.960** | D | 100 | 100 |
| Fluorene | 0.0470 | U | 0.0500 | U | 0.0513 | U | 0.0517 | U | 0.0494 | U | 0.0507 | U | **3.080** | D | 0.0487 | U | 0.0522 | U | 0.0525 | U | **0.150** | D | 0.0514 | U | 0.246 | D | 30 | 100 |
| Hexachlorobenzene | 0.0470 | U | 0.0500 | U | 0.0513 | U | 0.0517 | U | 0.0494 | U | 0.0507 | U | 0.0478 | U | 0.0487 | U | 0.0522 | U | 0.0525 | U | 0.0456 | U | 0.0514 | U | 0.0471 | U | 0.33 | 0.33 |
| Hexachlorobutadiene | 0.0470 | U | 0.0500 | U | 0.0513 | U | 0.0517 | U | 0.0494 | U | 0.0507 | U | 0.0478 | U | 0.0487 | U | 0.0522 | U | 0.0525 | U | 0.0456 | U | 0.0514 | U | 0.0471 | U | ~ | ~ |
| Hexachlorocyclopentadiene | 0.0470 | U | 0.0500 | U | 0.0513 | U | 0.0517 | U | 0.0494 | U | 0.0507 | U | 0.0478 | U | 0.0487 | U | 0.0522 | U | 0.0525 | U | 0.0456 | U | 0.0514 | U | 0.0471 | U | ~ | ~ |
| Hexachloroethane | 0.0470 | U | 0.0500 | U | 0.0513 | U | 0.0517 | U | 0.0494 | U | 0.0507 | U | 0.0478 | U | 0.0487 | U | 0.0522 | U | 0.0525 | U | 0.0456 | U | 0.0514 | U | 0.0471 | U | ~ | ~ |
| Indeno(1,2,3-cd)pyrene | **0.0555** | JD | 0.0500 | U | 0.0513 | U | 0.0517 | U | 0.0494 | U | 0.0507 | U | **10.500** | D | 0.0487 | U | 0.0522 | U | 0.0525 | U | **1.010** | D | 0.0514 | U | **1.050** | D | 0.5 | 0.5 |
| Isophorone | 0.0470 | U | 0.0500 | U | 0.0513 | U | 0.0517 | U | 0.0494 | U | 0.0507 | U | 0.0478 | U | 0.0487 | U | 0.0522 | U | 0.0525 | U | 0.0456 | U | 0.0514 | U | 0.0471 | U | ~ | ~ |
| Naphthalene | 0.0470 | U | 0.0500 | U | 0.0513 | U | 0.0517 | U | 0.0494 | U | 0.0507 | U | **2.310** | D | 0.0487 | U | 0.0522 | U | 0.0525 | U | **0.0735** | JD | 0.0514 | U | **0.121** | D | 12 | 100 |
| Nitrobenzene | 0.0470 | U | 0.0500 | U | 0.0513 | U | 0.0517 | U | 0.0494 | U | 0.0507 | U | 0.0478 | U | 0.0487 | U | 0.0522 | U | 0.0525 | U | 0.0456 | U | 0.0514 | U | 0.0471 | U | ~ | ~ |
| N-Nitrosodimethylamine | 0.0470 | U | 0.0500 | U | 0.0513 | U | 0.0517 | U | 0.0494 | U | 0.0507 | U | 0.0478 | U | 0.0487 | U | 0.0522 | U | 0.0525 | U | 0.0456 | U | 0.0514 | U | 0.0471 | U | ~ | ~ |
| N-nitroso-di-n-propylamine | 0.0470 | U | 0.0500 | U | 0.0513 | U | 0.0517 | U | 0.0494 | U | 0.0507 | U | 0.0478 | U | 0.0487 | U | 0.0522 | U | 0.0525 | U | 0.0456 | U | 0.0514 | U | 0.0471 | U | ~ | ~ |
| N-Nitrosodiphenylamine | 0.0470 | U | 0.0500 | U | 0.0513 | U | 0.0517 | U | 0.0494 | U | 0.0507 | U | 0.0478 | U | 0.0487 | U | 0.0522 | U | 0.0525 | U | 0.0456 | U | 0.0514 | U | 0.0471 | U | ~ | ~ |
| Pentachlorophenol | 0.0470 | U | 0.0500 | U | 0.0513 | U | 0.0517 | U | 0.0494 | U | 0.0507 | U | 0.0478 | U | 0.0487 | U | 0.0522 | U | 0.0525 | U | 0.0456 | U | 0.0514 | U | 0.0471 | U | 0.8 | 2.4 |
| Phenanthrene | **0.240** | D | 0.0500 | U | 0.0513 | U | 0.0517 | U | 0.0494 | U | 0.0507 | U | 33.400 | DE | 0.0487 | U | 0.0522 | U | 0.0525 | U | **1.970** | D | **0.141** | D | **2.960** | DE | 100 | 100 |
| Phenol | 0.0470 | U | 0.0500 | U | 0.0513 | U | 0.0517 | U | 0.0494 | U | 0.0507 | U | **0.104** | D | 0.0487 | U | 0.0522 | U | 0.0525 | U | 0.0456 | U | 0.0514 | U | 0.0471 | U | 0.33 | 100 |
| Pyrene | **0.231** | D | 0.0500 | U | 0.0513 | U | 0.0517 | U | 0.0494 | U | 0.0507 | U | 35.100 | DE | 0.0487 | U | 0.0522 | U | 0.0525 | U | **2.390** | D | **0.124** | D | **4.530** | D | 100 | 100 |

**NOTES:**
Bolded Concentrations were detected at concentrations greater than their MDL
Highlighted Concentrations were detected at concentrations greater than their UUSCO.
**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

**Table 4C**
**Pesticides and PCBs Detected in Soil**
**1036 Manhattan Avenue, Brooklyn, New York**

| Sample ID | SP-1 (0-2) | | SP-1 (2-4) | | SP-2 (0-2) | | SP-2 (2-4) | | SP-3 (0-2) | | SP-3 (2-4) | | SP-4 (0-2) | | SP-4 (2-4) | | SP-5 (0-2) | | SP-5 (2-4) | | SP-6 (0-2) | | SP-6 (10-12) | | SP-6 (2-4) | | NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives | NYSDEC Part 375 Restricted Use Soil Cleanup Objectives-Residential |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Date | 6/13/2019 | | 6/13/2019 | | 6/14/2019 | | 6/14/2019 | | 6/14/2019 | | 6/14/2019 | | 6/14/2019 | | 6/14/2019 | | 6/18/2019 | | 6/18/2019 | | 6/18/2019 | | 6/18/2019 | | 6/18/2019 | | | |
| Matrix | Soil | | Soil | | Soil | | Soil | | Soil | | Soil | | Soil | | Soil | | Soil | | Soil | | Soil | | Soil | | Soil | | | |
| Unit | 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 | | | |
| Compound | Results | Q | Results | Q | Result | Q | Result | Q | Result | Q | Result | Q | Result | Q | Result | Q | Result | Q | Result | Q | Result | Q | Result | Q | Result | Q | | |
| **Pesticides** | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4,4'-DDD | 0.00186 | U | 0.00197 | U | 0.00202 | U | 0.00203 | U | 0.00196 | U | 0.00201 | U | 0.00190 | U | 0.00193 | U | 0.00207 | U | 0.00209 | U | 0.00180 | U | 0.00203 | U | 0.00186 | U | 0.0033 | 2.6 |
| 4,4'-DDE | 0.00186 | U | 0.00197 | U | 0.00202 | U | 0.00203 | U | 0.00196 | U | 0.00201 | U | 0.00190 | U | 0.00193 | U | 0.00207 | U | 0.00209 | U | 0.00180 | U | 0.00203 | U | 0.00186 | U | 0.0033 | 1.8 |
| 4,4'-DDT | 0.00186 | U | 0.00197 | U | 0.00202 | U | 0.00203 | U | 0.00196 | U | 0.00201 | U | 0.00190 | U | 0.00193 | U | 0.00207 | U | 0.00209 | U | 0.00180 | U | 0.00203 | U | **0.0190** | D | 0.0033 | 1.7 |
| Aldrin | 0.00186 | U | 0.00197 | U | 0.00202 | U | 0.00203 | U | 0.00196 | U | 0.00201 | U | 0.00190 | U | 0.00193 | U | 0.00207 | U | 0.00209 | U | 0.00180 | U | 0.00203 | U | 0.00186 | U | 0.005 | 0.019 |
| alpha-BHC | 0.00186 | U | 0.00197 | U | 0.00202 | U | 0.00203 | U | 0.00196 | U | 0.00201 | U | 0.00190 | U | 0.00193 | U | 0.00207 | U | 0.00209 | U | 0.00180 | U | 0.00203 | U | 0.00186 | U | 0.02 | 0.097 |
| alpha-Chlordane | 0.00186 | U | 0.00197 | U | 0.00202 | U | 0.00203 | U | 0.00196 | U | 0.00201 | U | 0.00190 | U | 0.00193 | U | 0.00207 | U | 0.00209 | U | 0.00180 | U | 0.00203 | U | 0.00186 | U | 0.094 | 0.91 |
| beta-BHC | 0.00186 | U | 0.00197 | U | 0.00202 | U | 0.00203 | U | 0.00196 | U | 0.00201 | U | 0.00190 | U | 0.00193 | U | 0.00207 | U | 0.00209 | U | 0.00180 | U | 0.00203 | U | 0.00186 | U | 0.036 | 0.072 |
| Chlordane, total | 0.0372 | U | 0.0395 | U | 0.0405 | U | 0.0406 | U | 0.0391 | U | 0.0401 | U | 0.0381 | U | 0.0386 | U | 0.0415 | U | 0.0418 | U | 0.0360 | U | 0.0406 | U | 0.0372 | U | ~ | ~ |
| delta-BHC | 0.00186 | U | 0.00197 | U | 0.00202 | U | 0.00203 | U | 0.00196 | U | 0.00201 | U | 0.00190 | U | 0.00193 | U | 0.00207 | U | 0.00209 | U | 0.00180 | U | 0.00203 | U | 0.00186 | U | 0.04 | 100 |
| Dieldrin | 0.00186 | U | 0.00197 | U | 0.00202 | U | 0.00203 | U | 0.00196 | U | 0.00201 | U | 0.00190 | U | 0.00193 | U | 0.00207 | U | 0.00209 | U | 0.00180 | U | 0.00203 | U | 0.00186 | U | 0.005 | 0.039 |
| Endosulfan I | 0.00186 | U | 0.00197 | U | 0.00202 | U | 0.00203 | U | 0.00196 | U | 0.00201 | U | 0.00190 | U | 0.00193 | U | 0.00207 | U | 0.00209 | U | 0.00180 | U | 0.00203 | U | 0.00186 | U | 2.4 | 4.8 |
| Endosulfan II | 0.00186 | U | 0.00197 | U | 0.00202 | U | 0.00203 | U | 0.00196 | U | 0.00201 | U | 0.00190 | U | 0.00193 | U | 0.00207 | U | 0.00209 | U | 0.00180 | U | 0.00203 | U | 0.00186 | U | 2.4 | 4.8 |
| Endosulfan sulfate | 0.00186 | U | 0.00197 | U | 0.00202 | U | 0.00203 | U | 0.00196 | U | 0.00201 | U | 0.00190 | U | 0.00193 | U | 0.00207 | U | 0.00209 | U | 0.00180 | U | 0.00203 | U | 0.00186 | U | 2.4 | 4.8 |
| Endrin | 0.00186 | U | 0.00197 | U | 0.00202 | U | 0.00203 | U | 0.00196 | U | 0.00201 | U | 0.00190 | U | 0.00193 | U | 0.00207 | U | 0.00209 | U | 0.00180 | U | 0.00203 | U | 0.00186 | U | 0.014 | 2.2 |
| Endrin aldehyde | 0.00186 | U | 0.00197 | U | 0.00202 | U | 0.00203 | U | 0.00196 | U | 0.00201 | U | 0.00190 | U | 0.00193 | U | 0.00207 | U | 0.00209 | U | 0.00180 | U | 0.00203 | U | 0.00186 | U | ~ | ~ |
| Endrin ketone | 0.00186 | U | 0.00197 | U | 0.00202 | U | 0.00203 | U | 0.00196 | U | 0.00201 | U | 0.00190 | U | 0.00193 | U | 0.00207 | U | 0.00209 | U | 0.00180 | U | 0.00203 | U | 0.00186 | U | ~ | ~ |
| gamma-BHC (Lindane) | 0.00186 | U | 0.00197 | U | 0.00202 | U | 0.00203 | U | 0.00196 | U | 0.00201 | U | 0.00190 | U | 0.00193 | U | 0.00207 | U | 0.00209 | U | 0.00180 | U | 0.00203 | U | 0.00186 | U | 0.1 | 0.28 |
| gamma-Chlordane | 0.00186 | U | 0.00197 | U | 0.00202 | U | 0.00203 | U | 0.00196 | U | 0.00201 | U | 0.00190 | U | 0.00193 | U | 0.00207 | U | 0.00209 | U | 0.00180 | U | 0.00203 | U | 0.00186 | U | ~ | ~ |
| Heptachlor | 0.00186 | U | 0.00197 | U | 0.00202 | U | 0.00203 | U | 0.00196 | U | 0.00201 | U | 0.00190 | U | 0.00193 | U | 0.00207 | U | 0.00209 | U | 0.00180 | U | 0.00203 | U | 0.00186 | U | 0.042 | 0.42 |
| Heptachlor epoxide | 0.00186 | U | 0.00197 | U | 0.00202 | U | 0.00203 | U | 0.00196 | U | 0.00201 | U | 0.00190 | U | 0.00193 | U | 0.00207 | U | 0.00209 | U | 0.00180 | U | 0.00203 | U | 0.00186 | U | ~ | ~ |
| Methoxychlor | 0.00931 | U | 0.00986 | U | 0.0101 | U | 0.0101 | U | 0.00979 | U | 0.0100 | U | 0.00952 | U | 0.00964 | U | 0.0104 | U | 0.0105 | U | 0.00901 | U | 0.0101 | U | 0.00929 | U | ~ | ~ |
| Toxaphene | 0.0942 | U | 0.0998 | U | 0.102 | U | 0.103 | U | 0.0990 | U | 0.102 | U | 0.0964 | U | 0.0976 | U | 0.105 | U | 0.106 | U | 0.0912 | U | 0.103 | U | 0.0941 | U | ~ | ~ |
| **PCBS** | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aroclor 1016 | 0.0188 | U | 0.0199 | U | 0.0204 | U | 0.0205 | U | 0.0198 | U | 0.0203 | U | 0.0192 | U | 0.0195 | U | 0.0209 | U | 0.0211 | U | 0.0182 | U | 0.0205 | U | 0.0188 | U | ~ | ~ |
| Aroclor 1221 | 0.0188 | U | 0.0199 | U | 0.0204 | U | 0.0205 | U | 0.0198 | U | 0.0203 | U | 0.0192 | U | 0.0195 | U | 0.0209 | U | 0.0211 | U | 0.0182 | U | 0.0205 | U | 0.0188 | U | ~ | ~ |
| Aroclor 1232 | 0.0188 | U | 0.0199 | U | 0.0204 | U | 0.0205 | U | 0.0198 | U | 0.0203 | U | 0.0192 | U | 0.0195 | U | 0.0209 | U | 0.0211 | U | 0.0182 | U | 0.0205 | U | 0.0188 | U | ~ | ~ |
| Aroclor 1242 | 0.0188 | U | 0.0199 | U | 0.0204 | U | 0.0205 | U | 0.0198 | U | 0.0203 | U | 0.0192 | U | 0.0195 | U | 0.0209 | U | 0.0211 | U | 0.0182 | U | 0.0205 | U | 0.0188 | U | ~ | ~ |
| Aroclor 1248 | 0.0188 | U | 0.0199 | U | 0.0204 | U | 0.0205 | U | 0.0198 | U | 0.0203 | U | 0.0192 | U | 0.0195 | U | 0.0209 | U | 0.0211 | U | 0.0182 | U | 0.0205 | U | 0.0188 | U | ~ | ~ |
| Aroclor 1254 | 0.0188 | U | 0.0199 | U | 0.0204 | U | 0.0205 | U | 0.0198 | U | 0.0203 | U | 0.0192 | U | 0.0195 | U | 0.0209 | U | 0.0211 | U | 0.0182 | U | 0.0205 | U | 0.0188 | U | ~ | ~ |
| Aroclor 1260 | 0.0188 | U | 0.0199 | U | 0.0204 | U | 0.0205 | U | 0.0198 | U | 0.0203 | U | 0.0192 | U | 0.0195 | U | 0.0209 | U | 0.0211 | U | 0.0182 | U | 0.0205 | U | 0.0188 | U | ~ | ~ |
| Total PCBs | 0.0188 | U | 0.0199 | U | 0.0204 | U | 0.0205 | U | 0.0198 | U | 0.0203 | U | 0.0192 | U | 0.0195 | U | 0.0209 | U | 0.0211 | U | 0.0182 | U | 0.0205 | U | 0.0188 | U | 0.1 | 1 |

**NOTES:**
Bolded Concentrations were detected at concentrations greater than their MDL
Highlighted Concentrations were detected at concentrations greater than their UUSCO.
**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

**Table 4D**
**Inorganic Compounds Detected in Soil**
**1036 Manhattan Avenue, Brooklyn, New York**

| Sample ID | SP-1 (0-2) | | SP-1 (2-4) | | SP-2 (0-2) | | SP-2 (2-4) | | SP-3 (0-2) | | SP-3 (2-4) | | SP-4 (0-2) | | SP-4 (2-4) | | SP-5 (0-2) | | SP-5 (2-4) | | SP-6 (0-2) | | SP-6 (10-12) | | SP-6 (2-4) | | NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives | NYSDEC Part 375 Restricted Use Soil Cleanup Objectives-Residential |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Date | 6/13/2019 | | 6/13/2019 | | 6/14/2019 | | 6/14/2019 | | 6/14/2019 | | 6/14/2019 | | 6/14/2019 | | 6/14/2019 | | 6/18/2019 | | 6/18/2019 | | 6/18/2019 | | 6/18/2019 | | 6/18/2019 | | | |
| Matrix | Soil | | Soil | | Soil | | Soil | | Soil | | Soil | | Soil | | Soil | | Soil | | Soil | | Soil | | Soil | | Soil | | | |
| Unit | 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 | | | |
| Compound | Results | Q | Results | Q | Result | Q | Result | Q | Result | Q | Result | Q | Result | Q | Result | Q | Result | Q | Result | Q | Result | Q | Result | Q | Result | Q | | |
| Aluminum | **12,000** | | **7,430** | | **10,700** | | **8,620** | | **11,000** | | **10,400** | | **8,820** | | **10,200** | | **10,900** | | 7,520 | | 10,200 | | 11,900 | | 6,160 | | ~ | ~ |
| Antimony | 2.850 | U | 3.020 | U | 3.090 | U | 3.110 | U | 2.980 | U | 3.050 | U | 2.900 | U | 2.930 | U | 3.150 | U | 3.180 | U | 2.750 | U | 3.100 | U | 2.830 | U | ~ | ~ |
| Aresnic | **4.740** | | **4.850** | | **2.790** | | **2.230** | | **4.880** | | **2.520** | | **9.780** | | **5.890** | | **2.440** | | 3.410 | | **16.400** | | 5.290 | | 6.430 | | 13 | 16 |
| Barium | **97.100** | | **45.300** | | **41.700** | | **24.800** | | **53.300** | | **54.300** | | **320** | | **110** | | **75.400** | | 46.200 | | 208 | | 84.200 | | 173 | | 350 | 350 |
| Beryllium | 0.136 | B | 0.293 | B | 0.291 | B | 0.400 | B | 0.428 | B | 0.239 | B | 0.349 | B | 0.177 | B | 0.440 | B | 0.308 | B | 2.440 | B | 0.819 | B | 0.0570 | U | 7.2 | 14 |
| Cadmium | **0.464** | | 0.362 | U | 0.370 | U | 0.374 | U | 0.367 | | 0.366 | U | **1.030** | | 0.352 | U | **0.424** | | 0.382 | U | 0.615 | | 0.372 | U | 0.340 | U | 2.5 | 2.5 |
| Calcium | **57,500** | | **1,140** | | **9,080** | | **1,050** | | **1,570** | | **1,960** | | **2,720** | | **2,110** | | **1,440** | | 1,360 | | 36,300 | | 1,730 | | 12,200 | | ~ | ~ |
| Chromium | **17.500** | | **11.300** | | **17.600** | | **14.100** | | **19.700** | | **19.700** | | **24.400** | | **24.700** | | **17.800** | | 14.200 | | 48.800 | | 22.900 | | 16.800 | | ~ | ~ |
| Cobalt | **6.490** | | **11.900** | | **6.420** | | **6.890** | | **8.740** | | **5.380** | | **8.840** | | **10.200** | | **5.860** | | 3.720 | | 20.900 | | 8.070 | | 7.400 | | ~ | ~ |
| Copper | **20.600** | | **18.800** | | **15.400** | | **29.700** | | **20.600** | | **14.400** | | **233** | | **327** | | **21.200** | | 11.600 | | **345** | | 18.800 | | 35.800 | | 50 | 270 |
| Iron | **13,800** | | **20,000** | | **18,700** | | **18,000** | | **24,500** | | **18,100** | | **31,700** | | **22,100** | | **51,600** | | 35,600 | | 26,000 | | 36,300 | | 13,900 | | ~ | ~ |
| Lead | **56.900** | | **6.110** | | **15.400** | | **10.100** | | **23.100** | | **5.280** | | **734** | | **214** | | **6.040** | | 4.900 | | **63** | | 8.800 | | **327** | | 63 | 400 |
| Magnesium | **6,450** | | **2,440** | | **3,320** | | **3,360** | | **3,080** | | **3,220** | | **1,980** | | **2,560** | | **2,760** | | 2,360 | | 8,030 | | 2,310 | | 3,190 | | ~ | ~ |
| Manganese | **443** | | **823** | | **285** | | **158** | | **957** | | **106** | | **689** | | **223** | | **414** | | 153 | | 301 | | 457 | | 288 | | 1600 | 2000 |
| Nickel | **12.800** | | **17.900** | | **16.100** | | **20** | | **21.300** | | **15.600** | | **16.200** | | **17.600** | | **16.300** | | 11 | | **44.400** | | 18.400 | | 12.500 | | 30 | 140 |
| Potassium | **1,260** | | **921** | | **864** | | **908** | | **873** | | **1,060** | | **769** | | **1,390** | | **1,220** | | 722 | | 1,720 | | 783 | | 916 | | ~ | ~ |
| Selenium | 2.850 | U | 3.020 | U | 3.090 | U | 3.110 | U | 2.980 | U | 3.050 | U | 2.900 | U | 2.930 | U | 3.150 | U | 3.180 | U | 2.750 | U | 3.100 | U | 2.830 | U | 3.9 | 36 |
| Silver | 0.570 | U | 0.604 | U | 0.617 | U | 0.623 | U | 0.597 | U | 0.610 | U | 0.579 | U | 0.586 | U | 0.630 | U | 0.636 | U | 0.550 | U | 0.621 | U | 0.567 | U | 2 | 36 |
| Sodium | **391** | | **106** | | **136** | | **126** | | **108** | | **77.100** | | **118** | | **137** | | **799** | | 433 | | 1,010 | | 100 | | 158 | | ~ | ~ |
| Thallium | 2.850 | U | 3.020 | U | 3.090 | U | 3.110 | U | 2.980 | U | 3.050 | U | 2.900 | U | 2.930 | U | 3.150 | U | 3.180 | U | 2.750 | U | 3.100 | U | 2.830 | U | ~ | ~ |
| Vanadium | **18.400** | | **18** | | **18.300** | | **17.300** | | **23.400** | | **17.500** | | **31.400** | | 31.400 | | **15.200** | | 14.700 | | 27.800 | | 20.400 | | 19.900 | | ~ | ~ |
| Zinc | **58.400** | | **49** | | **45.100** | | **63.400** | | **55.800** | | **52.300** | | **804** | | **116** | | **54** | | 34.100 | | **2,740** | | 45.800 | | **353** | | 109 | 2200 |
| Mercury | **0.477** | | 0.0362 | U | 0.0370 | U | 0.0374 | U | 0.0358 | U | 0.0366 | U | **1.330** | | **0.595** | | 0.0378 | U | 0.0382 | U | **0.342** | | 0.0753 | | **1.100** | | 0.18 | 0.81 |

**NOTES:**

Bolded Concentrations were detected at concentrations greater than their MDL

Highlighted Concentrations were detected at concentrations greater than their UUSCO.

**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

**Table 5A**
**Volatile Organic Compounds Detected in Groundwater**
**1036 Manhattan Avenue, Brooklyn, New York**

| Sample ID | MW-1 | | MW-2 | | MW-3 | | MW-4 | | NYSDEC TOGS Standards and Guidance Values - GA |
|---|---|---|---|---|---|---|---|---|---|
| Sampling Date | 6/26/2019 | | 6/26/2019 | | 6/26/2019 | | 6/26/2019 | | |
| Matrix | Water | | Water | | Water | | Water | | |
| Unit | ug/L | | ug/L | | ug/L | | ug/L | | |
| Compound | Result | Q | Result | Q | Result | Q | Result | Q | |
| 1,1,1,2-Tetrachloroethane | 0.200 | U | 0.200 | U | 0.200 | U | 0.200 | U | 5 |
| 1,1,1-Trichloroethane | 0.200 | U | 0.200 | U | 0.200 | U | 0.200 | U | 5 |
| 1,1,2,2-Tetrachloroethane | 0.200 | U | 0.200 | U | 0.200 | U | 0.200 | U | 5 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | 0.200 | U | 0.200 | U | 0.200 | U | 0.200 | U | 5 |
| 1,1,2-Trichloroethane | 0.200 | U | 0.200 | U | 0.200 | U | 0.200 | U | 1 |
| 1,1-Dichloroethane | 0.200 | U | 0.200 | U | 0.200 | U | 0.200 | U | 5 |
| 1,1-Dichloroethylene | 0.200 | U | 0.200 | U | **4.700** | | 0.200 | U | 5 |
| 1,1-Dichloropropylene | 0.200 | U | 0.200 | U | 0.200 | U | 0.200 | U | 5 |
| 1,2,3-Trichlorobenzene | 0.200 | U | 0.200 | U | 0.200 | U | 0.200 | U | 5 |
| 1,2,3-Trichloropropane | 0.200 | U | 0.200 | U | 0.200 | U | 0.200 | U | 0.04 |
| 1,2,4,5-Tetramethylbenzene | 0.200 | U | 0.200 | U | 0.200 | U | 0.200 | U | ~ |
| 1,2,4-Trichlorobenzene | 0.200 | U | 0.200 | U | 0.200 | U | 0.200 | U | 5 |
| 1,2,4-Trimethylbenzene | 0.200 | U | 0.200 | U | 0.200 | U | 0.200 | U | 5 |
| 1,2-Dibromo-3-chloropropane | 0.200 | U | 0.200 | U | 0.200 | U | 0.200 | U | 0.04 |
| 1,2-Dibromoethane | 0.200 | U | 0.200 | U | 0.200 | U | 0.200 | U | 0.0006 |
| 1,2-Dichlorobenzene | 0.200 | U | 0.200 | U | 0.200 | U | 0.200 | U | 3 |
| 1,2-Dichloroethane | 0.200 | U | 0.200 | U | 0.200 | U | 0.200 | U | 0.6 |
| 1,2-Dichloropropane | 0.200 | U | 0.200 | U | 0.200 | U | 0.200 | U | 1 |
| 1,3,5-Trimethylbenzene | 0.200 | U | 0.200 | U | 0.200 | U | 0.200 | U | 5 |
| 1,3-Dichlorobenzene | 0.200 | U | 0.200 | U | 0.200 | U | 0.200 | U | 3 |
| 1,3-Dichloropropane | 0.200 | U | 0.200 | U | 0.200 | U | 0.200 | U | 5 |
| 1,4-Dichlorobenzene | 0.200 | U | 0.200 | U | 0.200 | U | 0.200 | U | 3 |
| 2,2-Dichloropropane | 0.200 | U | 0.200 | U | 0.200 | U | 0.200 | U | 5 |
| 2-Butanone | 0.200 | U | 0.200 | U | 0.200 | U | 0.200 | U | 50 |
| 2-Chlorotoluene | 0.200 | U | 0.200 | U | 0.200 | U | 0.200 | U | 5 |
| 2-Hexanone | 0.200 | U | 0.200 | U | 0.200 | U | 0.200 | U | 50 |
| 4-Chlorotoluene | 0.200 | U | 0.200 | U | 0.200 | U | 0.200 | U | 5 |
| 4-Methyl-2-pentanone | 0.200 | U | 0.200 | U | 0.200 | U | 0.200 | U | ~ |
| Acetone | 1 | U | 1 | U | **16** | | **6.900** | | 50 |
| Benzene | 0.200 | U | 0.200 | U | **0.210** | J | 0.200 | U | 1 |
| Bromobenzene | 0.200 | U | 0.200 | U | 0.200 | U | 0.200 | U | 5 |
| Bromochloromethane | 0.200 | U | 0.200 | U | 0.200 | U | 0.200 | U | 5 |
| Bromodichloromethane | 0.200 | U | 0.200 | U | 0.200 | U | 0.200 | U | 50 |
| Bromoform | 0.200 | U | 0.200 | U | 0.200 | U | 0.200 | U | 50 |
| Bromomethane | 0.200 | U | 0.200 | U | 0.200 | U | 0.200 | U | 5 |
| Carbon disulfide | **0.230** | J | **0.370** | J | **0.430** | J | **0.200** | J | ~ |
| Carbon tetrachloride | 0.200 | U | 0.200 | U | 0.200 | U | 0.200 | U | 5 |
| Chlorobenzene | 0.200 | U | 0.200 | U | 0.200 | U | 0.200 | U | 5 |
| Chloroethane | 0.200 | U | 0.200 | U | 0.200 | U | 0.200 | U | 5 |
| Chloroform | 0.200 | U | **1.500** | | 0.200 | U | 0.200 | U | 7 |
| Chloromethane | 0.200 | U | 0.200 | U | 0.200 | U | 0.200 | U | 5 |
| cis-1,2-Dichloroethylene | 0.200 | U | **27** | | **8,000** | D | **47** | | 5 |
| cis-1,3-Dichloropropylene | 0.200 | U | 0.200 | U | 0.200 | U | 0.200 | U | 0.4 |
| Dibromochloromethane | 0.200 | U | 0.200 | U | 0.200 | U | 0.200 | U | 50 |
| Dibromomethane | 0.200 | U | 0.200 | U | 0.200 | U | 0.200 | U | ~ |
| Dichlorodifluoromethane | 0.200 | U | 0.200 | U | 0.200 | U | 0.200 | U | 5 |
| Ethyl Benzene | 0.200 | U | 0.200 | U | 0.200 | U | 0.200 | U | 5 |
| Hexachlorobutadiene | 0.200 | U | 0.200 | U | 0.200 | U | 0.200 | U | 0.5 |
| Isopropylbenzene | 0.200 | U | 0.200 | U | 0.200 | U | 0.200 | U | 5 |
| Methyl tert-butyl ether (MTBE) | 0.200 | U | 0.200 | U | 0.200 | U | 0.200 | U | 10 |
| Methylene chloride | 1 | U | 1 | U | 1 | U | 1 | U | 5 |
| Naphthalene | 1 | U | **2.400** | B | **1.700** | JB | **1.600** | JB | 10 |
| n-Butylbenzene | 0.200 | U | 0.200 | U | 0.200 | U | 0.200 | U | 5 |
| n-Propylbenzene | 0.200 | U | 0.200 | U | 0.200 | U | 0.200 | U | 5 |
| o-Xylene | 0.200 | U | 0.200 | U | **0.310** | J | 0.200 | U | 5 |
| p- & m- Xylenes | 0.500 | U | 0.500 | U | 0.500 | U | 0.500 | U | 5 |
| p-Diethylbenzene | 0.200 | U | 0.200 | U | 0.200 | U | 0.200 | U | ~ |
| p-Ethyltoluene | 0.200 | U | 0.200 | U | 0.200 | U | 0.200 | U | ~ |
| p-Isopropyltoluene | 0.200 | U | 0.200 | U | 0.200 | U | 0.200 | U | 5 |
| sec-Butylbenzene | 0.200 | U | 0.200 | U | 0.200 | U | 0.200 | U | 5 |
| Styrene | 0.200 | U | 0.200 | U | 0.200 | U | 0.200 | U | 5 |
| tert-Butylbenzene | 0.200 | U | 0.200 | U | 0.200 | U | 0.200 | U | 5 |
| Tetrachloroethylene | **20** | | **24** | | **0.790** | | **2.100** | | 5 |
| Toluene | 0.200 | U | 0.200 | U | **0.640** | | 0.200 | U | 5 |
| trans-1,2-Dichloroethylene | 0.200 | U | 1.600 | | **2.800** | | **0.980** | | 5 |
| trans-1,3-Dichloropropylene | 0.200 | U | 0.200 | U | 0.200 | U | 0.200 | U | 0.4 |
| Trichloroethylene | **2.200** | | **2.800** | | **1.100** | | **13** | | 5 |
| Trichlorofluoromethane | 0.200 | U | 0.200 | U | 0.200 | U | 0.200 | U | 5 |
| Vinyl Chloride | 0.200 | U | 0.200 | U | **15** | | **1.900** | | 2 |
| Xylenes, Total | 0.600 | U | 0.600 | U | 0.600 | U | 0.600 | U | 5 |

**NOTES:**

Bolded Concentrations were detected at concentrations greater than their MDL

Highlighted Concentrations were detected at concentrations greater than their repective GQS.

**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

**Table 5B**
**Semi-Volatile Organic Compounds Detected in Groundwater**
**1036 Manhattan Avenue, Brooklyn, New York**

| Sample ID | MW-1 | | MW-2 | | MW-3 | | MW-4 | | NYSDEC TOGS Standards and Guidance Values - GA |
|---|---|---|---|---|---|---|---|---|---|
| Sampling Date | 6/26/2019 | | 6/26/2019 | | 6/26/2019 | | 6/26/2019 | | |
| Matrix | Water | | Water | | Water | | Water | | |
| Unit | ug/L | | ug/L | | ug/L | | ug/L | | |
| Compound | Result | Q | Result | Q | Result | Q | Result | Q | |
| 1,2,4-Trichlorobenzene | 2.860 | U | 2.780 | U | 3.120 | U | 5 | U | 5 |
| 1,2-Dichlorobenzene | 2.860 | U | 2.780 | U | 3.120 | U | 5 | U | 3 |
| 1,3-Dichlorobenzene | 2.860 | U | 2.780 | U | 3.120 | U | 5 | U | 3 |
| 1,4-Dichlorobenzene | 2.860 | U | 2.780 | U | 3.120 | U | 5 | U | 3 |
| 2,4,5-Trichlorophenol | 2.860 | U | 2.780 | U | 3.120 | U | 5 | U | 1 |
| 2,4,6-Trichlorophenol | 2.860 | U | 2.780 | U | 3.120 | U | 5 | U | 1 |
| 2,4-Dichlorophenol | 2.860 | U | 2.780 | U | 3.120 | U | 5 | U | 5 |
| 2,4-Dimethylphenol | 2.860 | U | 2.780 | U | 3.120 | U | 5 | U | 50 |
| 2,4-Dinitrophenol | 2.860 | U | 2.780 | U | 3.120 | U | 5 | U | 10 |
| 2,4-Dinitrotoluene | 2.860 | U | 2.780 | U | 3.120 | U | 5 | U | 5 |
| 2,6-Dinitrotoluene | 2.860 | U | 2.780 | U | 3.120 | U | 5 | U | 5 |
| 2-Chloronaphthalene | 2.860 | U | 2.780 | U | 3.120 | U | 5 | U | 10 |
| 2-Chlorophenol | 2.860 | U | 2.780 | U | 3.120 | U | 5 | U | 1 |
| 2-Methylnaphthalene | 2.860 | U | 2.780 | U | 3.120 | U | 5 | U | ~ |
| 2-Methylphenol | 2.860 | U | 2.780 | U | 3.120 | U | 5 | U | 1 |
| 2-Nitroaniline | 2.860 | U | 2.780 | U | 3.120 | U | 5 | U | 5 |
| 2-Nitrophenol | 2.860 | U | 2.780 | U | 3.120 | U | 5 | U | 1 |
| 3- & 4-Methylphenols | 2.860 | U | 2.780 | U | 3.120 | U | 5 | U | ~ |
| 3,3-Dichlorobenzidine | 2.860 | U | 2.780 | U | 3.120 | U | 5 | U | 5 |
| 3-Nitroaniline | 2.860 | U | 2.780 | U | 3.120 | U | 5 | U | 5 |
| 4,6-Dinitro-2-methylphenol | 2.860 | U | 2.780 | U | 3.120 | U | 5 | U | ~ |
| 4-Bromophenyl phenyl ether | 2.860 | U | 2.780 | U | 3.120 | U | 5 | U | ~ |
| 4-Chloro-3-methylphenol | 2.860 | U | 2.780 | U | 3.120 | U | 5 | U | 1 |
| 4-Chloroaniline | 2.860 | U | 2.780 | U | 3.120 | U | 5 | U | 5 |
| 4-Chlorophenyl phenyl ether | 2.860 | U | 2.780 | U | 3.120 | U | 5 | U | ~ |
| 4-Nitroaniline | 2.860 | U | 2.780 | U | 3.120 | U | 5 | U | 5 |
| 4-Nitrophenol | 2.860 | U | 2.780 | U | 3.120 | U | 5 | U | 1 |
| Acenaphthene | 0.0571 | U | 0.0556 | U | 0.0625 | U | 0.100 | U | 20 |
| Acenaphthylene | 0.0571 | U | 0.0556 | U | 0.0625 | U | **0.100** | J | ~ |
| Aniline | 2.860 | U | 2.780 | U | 3.120 | U | 5 | U | 5 |
| Anthracene | 0.0571 | U | 0.0556 | U | 0.0625 | U | 0.300 | | 50 |
| Benzo(a)anthracene | 0.0571 | U | 0.0556 | U | 0.0625 | U | **1.720** | | 0.002 |
| Benzo(a)pyrene | 0.0571 | U | 0.0556 | U | 0.0625 | U | **1.440** | | 0.002 |
| Benzo(b)fluoranthene | 0.0571 | U | 0.0556 | U | 0.0625 | U | **1.760** | | 0.002 |
| Benzo(g,h,i)perylene | 0.0571 | U | 0.0556 | U | 0.0625 | U | **0.680** | | ~ |
| Benzo(k)fluoranthene | 0.0571 | U | 0.0556 | U | 0.0625 | U | **1.380** | | 0.002 |
| Benzyl alcohol | 2.860 | U | 2.780 | U | 3.120 | U | 5 | U | ~ |
| Benzyl butyl phthalate | 2.860 | U | 2.780 | U | 3.120 | U | 5 | U | 50 |
| Bis(2-chloroethoxy)methane | 2.860 | U | 2.780 | U | 3.120 | U | 5 | U | 5 |
| Bis(2-chloroethyl)ether | 2.860 | U | 2.780 | U | 3.120 | U | 5 | U | 1 |
| Bis(2-chloroisopropyl)ether | 2.860 | U | 2.780 | U | 3.120 | U | 5 | U | 5 |
| Bis(2-ethylhexyl)phthalate | **0.823** | | **3.490** | | **0.788** | | **1.160** | | 5 |
| Chrysene | 0.0571 | U | 0.0556 | U | 0.0625 | U | **1.500** | | 0.002 |
| Dibenzo(a,h)anthracene | 0.0571 | U | 0.0556 | U | 0.0625 | U | **0.220** | | ~ |
| Dibenzofuran | 2.860 | U | 2.780 | U | 3.120 | U | 5 | U | ~ |
| Diethyl phthalate | 2.860 | U | 2.780 | U | 3.120 | U | 5 | U | 50 |
| Dimethyl phthalate | 2.860 | U | 2.780 | U | 3.120 | U | 5 | U | 50 |
| Di-n-butyl phthalate | 2.860 | U | 2.780 | U | 3.120 | U | 5 | U | 50 |
| Di-n-octyl phthalate | 2.860 | U | 2.780 | U | 3.120 | U | 5 | U | 50 |
| Fluoranthene | 0.0571 | U | 0.0556 | U | 0.0625 | U | **3.360** | | 50 |
| Fluorene | 0.0571 | U | 0.0556 | U | 0.0625 | U | 0.100 | U | 50 |
| Hexachlorobenzene | 0.0229 | U | 0.0222 | U | 0.0250 | U | 0.0400 | U | 0.04 |
| Hexachlorobutadiene | 0.571 | U | 0.556 | U | 0.625 | U | **1** | U | 0.5 |
| Hexachlorocyclopentadiene | 2.860 | U | 2.780 | U | 3.120 | U | 5 | U | 5 |
| Hexachloroethane | 0.571 | U | 0.556 | U | 0.625 | U | 1 | U | 5 |
| Indeno(1,2,3-cd)pyrene | 0.0571 | U | 0.0556 | U | 0.0625 | U | **0.600** | | 0.002 |
| Isophorone | 2.860 | U | 2.780 | U | 3.120 | U | 5 | U | 50 |
| Naphthalene | 0.0571 | U | 0.0556 | U | 0.0625 | U | 0.140 | B | 10 |
| Nitrobenzene | 0.286 | U | 0.278 | U | 0.312 | U | 0.500 | U | 0.4 |
| N-Nitrosodimethylamine | 0.571 | U | 0.556 | U | 0.625 | U | 1 | U | ~ |
| N-nitroso-di-n-propylamine | 2.860 | U | 2.780 | U | 3.120 | U | 5 | U | ~ |
| N-Nitrosodiphenylamine | 2.860 | U | 2.780 | U | 3.120 | U | 5 | U | 50 |
| Pentachlorophenol | 0.286 | U | 0.278 | U | 0.312 | U | 0.500 | U | 1 |
| Phenanthrene | 0.0571 | U | 0.0556 | U | 0.0625 | U | **1.300** | | 50 |
| Phenol | 2.860 | U | 2.780 | U | 3.120 | U | 5 | U | 1 |
| Pyrene | 0.0571 | U | 0.0556 | U | 0.0625 | U | **3.520** | | 50 |
| Pyridine | 2.860 | U | 2.780 | U | 3.120 | U | 5 | U | 50 |

**NOTES:**

Bolded Concentrations were detected at concentrations greater than their MDL

Highlighted Concentrations were detected at concentrations exceeding their respective GQS.

**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

**Table 5C**
**Pesticides and PCBs Detected in Groundwater**
**1036 Manhattan Avenue, Brooklyn, New York**

| Sample ID | MW-1 | | MW-2 | | MW-3 | | MW-4 | | NYSDEC TOGS Standards and Guidance Values - GA |
|---|---|---|---|---|---|---|---|---|---|
| Sampling Date | 6/26/2019 | | 6/26/2019 | | 6/26/2019 | | 6/26/2019 | | |
| Matrix | Water | | Water | | Water | | Water | | |
| Unit | ug/L | | ug/L | | ug/L | | ug/L | | |
| Compound | Result | Q | Result | Q | Result | Q | Result | Q | |
| 4,4'-DDD | 0.00485 | U | 0.00485 | U | 0.00727 | U | 0.00500 | U | 0.3 |
| 4,4'-DDE | 0.00485 | U | 0.00485 | U | 0.00727 | U | 0.00500 | U | 0.2 |
| 4,4'-DDT | 0.00485 | U | 0.00485 | U | 0.00727 | U | 0.00500 | U | 0.2 |
| Aldrin | 0.00485 | U | 0.00485 | U | 0.00727 | U | 0.00500 | U | ~ |
| alpha-BHC | 0.00485 | U | 0.00485 | U | 0.00727 | U | 0.00500 | U | 0.01 |
| alpha-Chlordane | 0.00485 | U | 0.00485 | U | 0.00727 | U | 0.00500 | U | ~ |
| beta-BHC | 0.00485 | U | 0.00485 | U | 0.00727 | U | 0.00500 | U | 0.04 |
| Chlordane, total | 0.0242 | U | 0.0242 | U | 0.0364 | U | 0.0250 | U | 0.05 |
| delta-BHC | 0.00485 | U | 0.00485 | U | 0.00727 | U | 0.00500 | U | 0.04 |
| Dieldrin | 0.00242 | U | 0.00242 | U | 0.00364 | U | 0.00250 | U | 0.004 |
| Endosulfan I | 0.00485 | U | 0.00485 | U | 0.00727 | U | 0.00500 | U | ~ |
| Endosulfan II | 0.00485 | U | 0.00485 | U | 0.00727 | U | 0.00500 | U | ~ |
| Endosulfan sulfate | 0.00485 | U | 0.00485 | U | 0.00727 | U | 0.00500 | U | ~ |
| Endrin | 0.00485 | U | 0.00485 | U | 0.00727 | U | 0.00500 | U | ~ |
| Endrin aldehyde | 0.0121 | U | 0.0121 | U | 0.0182 | U | 0.0125 | U | 5 |
| Endrin ketone | 0.0121 | U | 0.0121 | U | 0.0182 | U | 0.0125 | U | 5 |
| gamma-BHC (Lindane) | 0.00485 | U | 0.00485 | U | 0.00727 | U | 0.00500 | U | 0.05 |
| gamma-Chlordane | 0.0121 | U | 0.0121 | U | 0.0182 | U | 0.0125 | U | ~ |
| Heptachlor | 0.00485 | U | 0.00485 | U | 0.00727 | U | 0.00500 | U | 0.04 |
| Heptachlor epoxide | 0.00485 | U | 0.00485 | U | 0.00727 | U | 0.00500 | U | 0.03 |
| Methoxychlor | 0.00485 | U | 0.00485 | U | 0.00727 | U | 0.00500 | U | 35 |
| Toxaphene | 0.121 | U | 0.121 | U | 0.182 | U | 0.125 | U | 0.06 |
| PCBS | | | | | | | | | |
| Aroclor 1016 | 0.0606 | U | 0.0606 | U | 0.0909 | U | 0.0625 | U | ~ |
| Aroclor 1221 | 0.0606 | U | 0.0606 | U | 0.0909 | U | 0.0625 | U | ~ |
| Aroclor 1232 | 0.0606 | U | 0.0606 | U | 0.0909 | U | 0.0625 | U | ~ |
| Aroclor 1242 | 0.0606 | U | 0.0606 | U | 0.0909 | U | 0.0625 | U | ~ |
| Aroclor 1248 | 0.0606 | U | 0.0606 | U | 0.0909 | U | 0.0625 | U | ~ |
| Aroclor 1254 | 0.0606 | U | 0.0606 | U | 0.0909 | U | 0.0625 | U | ~ |
| Aroclor 1260 | 0.0606 | U | 0.0606 | U | 0.0909 | U | 0.0625 | U | ~ |
| Total PCBs | 0.0606 | U | 0.0606 | U | 0.0909 | U | 0.0625 | U | 0.09 |

**NOTES:**
Bolded Concentrations were detected at concentrations greater than their MDL
Highlighted Concentrations were detected at concentrations greater than their GQS.
**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

**Table 5D**
**Inorganic Compounds Detected in Groundwater**
**1036 Manhattan Avenue, Brooklyn, New York**

| Sample ID | MW-1 | | MW-2 | | MW-3 | | MW-4 | | NYSDEC TOGS Standards and Guidance Values - GA |
|---|---|---|---|---|---|---|---|---|---|
| Sampling Date | 6/26/2019 | | 6/26/2019 | | 6/26/2019 | | 6/26/2019 | | |
| Matrix | Water | | Water | | Water | | Water | | |
| Unit | ug/L | | ug/L | | ug/L | | ug/L | | |
| Compound | Result | Q | Result | Q | Result | Q | Result | Q | |
| Aluminum | **69.500** | | **123** | | **71.400** | | **65.400** | | ~ |
| Barium | **56.400** | | **70** | | **189** | | **90.500** | | 1000 |
| Calcium | **53,200** | | **76,800** | | **107,000** | | **143,000** | | ~ |
| Chromium | 5.560 | U | 5.560 | U | 5.560 | U | 5.560 | U | 50 |
| Cobalt | 4.440 | U | 4.440 | U | 4.440 | U | 4.440 | U | ~ |
| Copper | 22.200 | U | 22.200 | U | 22.200 | U | 22.200 | U | 200 |
| Iron | 278 | U | 278 | U | **315** | | 278 | U | ~ |
| Lead | 5.560 | U | 5.560 | U | 5.560 | U | 5.560 | U | 25 |
| Magnesium | **7,910** | | **14,800** | | **38,300** | | **26,600** | | 35000 |
| Manganese | **140** | | **444** | | **1,700** | | **956** | | 300 |
| Nickel | 11.100 | U | 11.100 | U | 11.100 | U | 11.100 | U | 100 |
| Potassium | 9,960 | | 6,610 | | **5,600** | | 52,600 | | ~ |
| Silver | 5.560 | U | 5.560 | U | 5.560 | U | 5.560 | U | 50 |
| Sodium | **74,900** | | **31,400** | | **118,000** | | **124,000** | | 20000 |
| Vanadium | 11.100 | U | 11.100 | U | 11.100 | U | 11.100 | U | ~ |
| Zinc | **35.700** | | 27.800 | U | 27.800 | U | 27.800 | U | 2000 |
| Antimony | 1.110 | U | 1.110 | U | 1.110 | U | 1.110 | U | 3 |
| Arsenic | 1.110 | U | 1.110 | U | 1.110 | U | **1.500** | | 25 |
| Beryllium | 0.333 | U | 0.333 | U | 0.333 | U | 0.333 | U | 3 |
| Cadmium | 0.556 | U | 0.556 | U | 0.556 | U | 0.556 | U | 5 |
| Selenium | **3.730** | | 1.110 | U | 1.110 | U | **20.100** | | 10 |
| Thallium | 1.110 | U | 1.110 | U | 1.110 | U | 1.110 | U | ~ |
| Mercury | 0.200 | U | 0.200 | U | 0.200 | U | 0.200 | U | 0.7 |
| Chromium, Hexavalent | 10 | U | 10 | U | 10 | U | 10 | U | 50 |
| Chromium, Trivalent | 10 | U | 10 | U | 10 | U | 10 | U | ~ |

**NOTES:**
Bolded Concentrations were detected at concentrations greater than their MDL
Highlighted concentrations are greater than their respective GQS.
**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

**Table 6**
**Soil Vapor Results**
**1036 Manhattan Avenue, Brooklyn, New York**

| Sample ID | SV-1 | | SV-2 | | SV-3 | | SV-4 | | SV5 | | SV6 | | SV7 | | IA | | OA | | NYSDOH Maximum Sub-Slab Value |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Date | 6/26/2019 | | 6/26/2019 | | 6/26/2019 | | 6/26/2019 | | 7/2/2019 | | 7/2/2019 | | 7/2/2019 | | 7/2/2019 | | 7/2/2019 | | |
| Matrix | Air | | Air | | Air | | Air | | Soil Vapor | | Soil Vapor | | Soil Vapor | | Indoor Ambient Air | | Outdoor Ambient Air | | |
| Unit | ug/m3 | | ug/m3 | | ug/m3 | | ug/m3 | | ug/m3 | | ug/m3 | | ug/m3 | | ug/m3 | | ug/m3 | | |
| Compound | Result | Q | Result | Q | Result | Q | Result | Q | Result | Q | Result | Q | Result | Q | Result | Q | Result | Q | |
| 1,1,1,2-Tetrachloroethane | 1.100 | U | 1.100 | U | 1.400 | U | 3.300 | U | 2.500 | U | 12 | U | 1.400 | U | 0.600 | U | 0.690 | U | |
| 1,1,1-Trichloroethane | 0.880 | U | 0.870 | U | 1.100 | U | 2.600 | U | 2 | U | 9.500 | U | 1.100 | U | 0.470 | U | 0.550 | U | 100.000 |
| 1,1,2,2-Tetrachloroethane | 1.100 | U | 1.100 | U | 1.400 | U | 3.300 | U | 2.500 | U | 12 | U | 1.400 | U | 0.600 | U | 0.690 | U | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | 1.200 | U | 1.200 | U | 1.500 | U | 3.700 | U | 2.700 | U | 13 | U | 1.600 | U | 0.670 | U | 0.770 | U | |
| 1,1,2-Trichloroethane | 0.880 | U | 0.870 | U | 1.100 | U | 2.600 | U | 2 | U | 9.500 | U | 1.100 | U | 0.470 | U | 0.550 | U | |
| 1,1-Dichloroethane | 0.650 | U | 0.650 | U | 0.810 | U | 1.900 | U | 1.400 | U | **20** | D | 0.820 | U | 0.350 | U | 0.410 | U | |
| 1,1-Dichloroethylene | 0.160 | U | 0.160 | U | 0.200 | U | 0.480 | U | 0.350 | U | **28** | D | 0.200 | U | 0.0860 | U | 0.0990 | U | |
| 1,2,4-Trichlorobenzene | 1.200 | U | 1.200 | U | 1.500 | U | 3.600 | U | 2.700 | U | 13 | U | 1.500 | U | 0.640 | U | 0.740 | U | |
| 1,2,4-Trimethylbenzene | **0.950** | D | **1.100** | D | **3.500** | D | **17** | D | **21** | D | **26** | D | **12** | D | **16** | D | **0.790** | D | |
| 1,2-Dibromoethane | 1.200 | U | 1.200 | U | 1.500 | U | 3.700 | U | 2.700 | U | 13 | U | 1.600 | U | 0.670 | U | 0.770 | U | |
| 1,2-Dichlorobenzene | 0.970 | U | 0.960 | U | 1.200 | U | 2.900 | U | 2.100 | U | 11 | U | 1.200 | U | 0.520 | U | 0.600 | U | |
| 1,2-Dichloroethane | 0.650 | U | **0.650** | D | 0.810 | U | 1.900 | U | 1.400 | U | 7.100 | U | 0.820 | U | 0.350 | U | 0.410 | U | |
| 1,2-Dichloropropane | 0.740 | U | 0.740 | U | 0.920 | U | 2.200 | U | 1.700 | U | 8.100 | U | 0.940 | U | 0.400 | U | 0.460 | U | |
| 1,2-Dichlorotetrafluoroethane | 1.100 | U | 1.100 | U | 1.400 | U | 3.400 | U | 2.500 | U | 12 | U | 1.400 | U | 0.610 | U | 0.700 | U | |
| 1,3,5-Trimethylbenzene | 0.790 | U | 0.780 | U | **1.200** | D | **5** | D | **6.900** | D | 8.600 | U | **3.100** | D | **4.900** | D | 0.490 | U | |
| 1,3-Butadiene | 1.100 | U | 1.100 | U | 1.300 | U | 3.200 | U | 2.400 | U | 12 | U | 1.300 | U | 0.580 | U | 0.670 | U | |
| 1,3-Dichlorobenzene | 0.970 | U | 0.960 | U | 1.200 | U | 2.900 | U | 2.100 | U | 11 | U | 1.200 | U | 0.520 | U | 0.600 | U | |
| 1,3-Dichloropropane | 0.740 | U | 0.740 | U | 0.920 | U | 2.200 | U | 1.700 | U | 8.100 | U | 0.940 | U | 0.400 | U | 0.460 | U | |
| 1,4-Dichlorobenzene | 0.970 | U | 0.960 | U | 1.200 | U | 2.900 | U | 2.100 | U | 11 | U | 1.200 | U | 0.520 | U | 0.600 | U | |
| 1,4-Dioxane | 1.200 | U | 1.200 | U | 1.400 | U | 3.500 | U | 2.600 | U | 13 | U | 1.500 | U | 0.630 | U | 0.720 | U | |
| 2-Butanone | **1.800** | D | 0.470 | U | **2.200** | D | **30** | D | **2.800** | D | 5.200 | U | **1.900** | D | **4.700** | D | **1.400** | D | |
| 2-Hexanone | 1.300 | U | 1.300 | U | 1.600 | U | **17** | D | 2.900 | U | 14 | U | 1.700 | U | 0.710 | U | 0.820 | U | |
| 3-Chloropropene | 2.500 | U | 2.500 | U | 3.100 | U | 7.500 | U | 5.600 | U | 27 | U | 3.200 | U | 1.400 | U | 1.600 | U | |
| 4-Methyl-2-pentanone | 0.660 | U | 0.650 | U | 0.820 | U | 2 | U | 1.500 | U | 7.200 | U | 0.830 | U | **1.400** | D | 0.410 | U | |
| Acetone | **11** | D | **3.200** | D | **16** | D | **140** | D | **21** | D | **32** | D | **11** | D | **72** | D | **11** | D | |
| Acrylonitrile | 0.350 | U | 0.350 | U | 0.430 | U | 1 | U | 0.780 | U | 3.800 | U | 0.440 | U | 0.190 | U | 0.220 | U | |
| Benzene | 0.510 | U | 0.510 | U | 0.640 | U | **3.700** | D | 1.100 | U | 5.600 | U | 0.650 | U | **1.100** | D | **0.740** | D | |
| Benzyl chloride | 0.830 | U | 0.830 | U | 1 | U | 2.500 | U | 1.900 | U | 9 | U | 1.100 | U | 0.450 | U | 0.520 | U | |
| Bromodichloromethane | 1.100 | U | 1.100 | U | 1.300 | U | 3.200 | U | 2.400 | U | 12 | U | 1.400 | U | 0.580 | U | 0.670 | U | |
| Bromoform | 1.700 | U | 1.600 | U | 2.100 | U | 5 | U | 3.700 | U | 18 | U | 2.100 | U | 0.900 | U | 1 | U | |
| Bromomethane | 0.630 | U | 0.620 | U | 0.780 | U | 1.900 | U | 1.400 | U | 6.800 | U | 0.790 | U | 0.340 | U | 0.390 | U | |
| Carbon disulfide | 0.500 | U | 0.500 | U | 0.620 | U | **1.500** | D | 1.300 | D | 5.400 | U | 0.630 | U | **0.540** | D | 0.310 | U | |
| Carbon tetrachloride | **0.710** | D | **0.900** | D | **0.500** | D | 0.760 | U | 0.560 | U | 2.700 | U | **0.380** | D | **0.440** | D | **0.440** | D | 5.000 |
| Chlorobenzene | 0.740 | U | 0.730 | U | 0.920 | U | 2.200 | U | 1.600 | U | 8 | U | 0.940 | U | 0.400 | U | 0.460 | U | |
| Chloroethane | 0.430 | U | 0.420 | U | 0.530 | U | 1.300 | U | 0.940 | U | 4.600 | U | 0.540 | U | 0.230 | U | 0.260 | U | |
| Chloroform | **1.100** | D | **1.200** | D | **1.100** | D | **6.300** | D | **3.800** | D | **8.500** | D | 0.990 | U | **0.680** | D | 0.490 | U | |
| Chloromethane | 0.330 | U | 0.330 | U | **1.100** | D | 0.990 | U | **1.600** | D | 3.600 | U | 0.420 | U | **1.300** | D | **1.200** | D | |
| cis-1,2-Dichloroethylene | 0.160 | U | 0.160 | U | 0.200 | U | 0.480 | U | **10** | D | **150,000** | D | 0.200 | U | **0.790** | D | **0.0990** | U | |
| cis-1,3-Dichloropropylene | 0.730 | U | 0.720 | U | 0.910 | U | 2.200 | U | 1.600 | U | 7.900 | U | 0.920 | U | 0.390 | U | **0.460** | U | |
| Cyclohexane | 0.550 | U | 0.550 | U | 0.690 | U | **3.300** | D | **1.700** | D | 6 | U | 0.700 | U | **1.400** | D | **0.350** | U | |
| Dibromochloromethane | 1.400 | U | 1.400 | U | 1.700 | U | 4.100 | U | 3 | U | 15 | U | 1.700 | U | 0.740 | U | **0.850** | U | |
| Dichlorodifluoromethane | **1.800** | D | **1.700** | D | **3.600** | D | **3.800** | D | **260** | D | **260** | D | **3.200** | D | **16** | D | **1.400** | D | |
| Ethyl acetate | 1.200 | U | 1.200 | U | 1.400 | U | 3.500 | U | 2.600 | U | 13 | U | 1.500 | U | **8.900** | D | 0.720 | U | |
| Ethyl Benzene | 0.700 | U | 0.690 | U | **2** | D | **10** | D | **4** | D | **14** | D | **3** | D | **14** | D | **0.570** | D | |
| Hexachlorobutadiene | 1.700 | U | 1.700 | U | 2.100 | U | 5.100 | U | 3.800 | U | 19 | U | 2.200 | U | 0.930 | U | 1.100 | U | |
| Isopropanol | 0.790 | U | 0.780 | U | **1.800** | D | **4.700** | D | **3.100** | D | 8.600 | U | **1.200** | D | 22 | D | **1.800** | D | |
| Methyl Methacrylate | **0.660** | D | 0.650 | U | 0.820 | U | 2 | U | 1.500 | U | 7.200 | U | 0.830 | U | 0.360 | U | **1.100** | D | |
| Methyl tert-butyl ether (MTBE) | 0.580 | U | 0.580 | U | 0.720 | U | 1.700 | U | 1.300 | U | 6.300 | U | 0.730 | U | 0.310 | U | 0.360 | U | |
| Methylene chloride | **6.800** | D | **4.900** | D | **3.900** | D | 3.300 | U | **4.100** | D | 12 | U | 1.400 | U | **0.840** | D | **7.500** | D | |
| n-Heptane | 0.660 | U | 0.650 | U | 0.820 | U | **16** | D | **3.800** | D | **9.300** | D | **1.700** | D | **11** | D | **0.700** | D | |
| n-Hexane | 0.570 | U | 0.560 | U | **0.920** | D | **9.700** | D | **1.600** | D | **8.600** | D | 0.720 | U | **2.500** | D | **0.710** | D | |
| o-Xylene | 0.700 | U | **0.760** | D | **2.600** | D | **15** | D | **5.600** | D | **17** | D | **5.800** | D | **18** | D | **0.650** | D | |
| p- & m- Xylenes | **1.500** | D | **1.600** | D | **7.300** | D | **39** | D | **15** | D | **43** | D | **12** | D | **53** | D | **1.700** | D | |
| p-Ethyltoluene | 0.790 | U | 0.780 | U | **2.700** | D | **15** | D | **16** | D | **22** | D | **6.600** | D | **13** | D | **0.690** | D | |
| Propylene | **1.400** | D | **1.600** | D | 0.340 | U | 0.830 | U | 0.620 | U | **23** | D | 0.350 | U | 0.150 | U | 0.170 | U | |
| Styrene | **0.690** | D | **1.600** | D | 0.850 | U | **2.900** | D | 1.500 | U | 7.400 | U | **2** | D | **0.810** | D | 0.430 | U | |
| Tetrachloroethylene | 0.270 | U | 0.270 | U | 0.340 | U | **94** | D | 0.610 | U | **36** | D | **6.100** | D | **2.600** | D | 0.170 | U | 100.000 |
| Tetrahydrofuran | 0.950 | U | 0.940 | U | 1.200 | U | 2.800 | U | **2.400** | D | 10 | U | 1.200 | U | **2.400** | D | 0.590 | U | |
| Toluene | **2.900** | D | **3** | D | **12** | D | **45** | D | NT | | **47** | D | **9.400** | D | **100** | D | **3.100** | D | |
| trans-1,2-Dichloroethylene | 0.640 | U | 0.630 | U | 0.790 | U | 1.900 | U | 1.400 | U | **3,400** | D | 0.810 | U | 0.340 | U | 0.400 | U | |
| trans-1,3-Dichloropropylene | 0.730 | U | 0.720 | U | 0.910 | U | 2.200 | U | 1.600 | U | 7.900 | U | 0.920 | U | 0.390 | U | 0.460 | U | |
| Trichloroethylene | 0.220 | U | 0.210 | U | 0.270 | U | **4.700** | D | **1.300** | D | **250** | D | 0.270 | U | **0.190** | D | 0.130 | U | 5.000 |
| Trichlorofluoromethane (Freon 11) | **1.200** | D | **1.300** | D | **1.200** | D | 2.700 | U | 2 | U | 9.800 | U | **1.300** | D | **1.400** | D | **1.400** | D | |
| Vinyl acetate | 0.570 | U | 0.560 | U | 0.700 | U | 1.700 | U | 1.300 | U | 6.200 | U | 0.720 | U | 0.310 | U | 0.350 | U | |
| Vinyl bromide | 0.710 | U | 0.700 | U | 0.870 | U | 2.100 | U | 1.600 | U | 7.600 | U | 0.890 | U | 0.380 | U | 0.440 | U | |
| Vinyl Chloride | 0.100 | U | 0.100 | U | 0.130 | U | 0.310 | U | **2.100** | D | **510** | D | 0.130 | U | 0.0550 | U | 0.0640 | U | |
| Total BTEX | 2.900 | | 5.36 | | 21.9 | | 102.7 | | 21.7 | | 107.0 | | 27.2 | | 172.1 | | 6.2 | | |

**NOTES:**
Bolded Concentrations were detected at concentrations greater than their MDL
Highlighted Concentrations were detected at concentrations greater than their NYSDOH Standard
**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

# Appendix A

## Phase I ESA

Included via Reference

# Appendix B

# Soil Boring Geologic Logs

| Structural Engineering Technologies (SET) | **Soil Probe Log (SP-1)** |
|---|---|

| | | | |
|---|---|---|---|
| Job No.: | 190050 | Total Depth | 4 feet |
| Date: | 6/13/2019 | Sampling Interval: | 2.5 |
| Location: | 1036 Manhattan Avenue | Sampling Method: | Grab |
| | New York, NY | Driller: | PG Environmental |
| Boring No: | SP-1 | Depth to Water: | Approximately 4 feet |
| Drilling Method: | Direct Push | | |

| Depth Below Grade and Lithology | | Soil Description | PID Reading (PPM) | USGS Symbol |
|---|---|---|---|---|
| 0<br>-2.5 | | dry brown silt | 0.0 | sw |
| | | 2.5 feet moist silty clay | 0.0 | sw |
| -5 | | 4.0 feet - wet fine grained sand | 0.0 | sw |

| Structural Engineering Technologies (SET) | **Soil Probe Log (SP-2)** |
|---|---|

| | | | |
|---|---|---|---|
| Job No.: | 190050 | Total Depth | 4 feet |
| Date: | 6/14/2019 | Sampling Interval: | 2.5 |
| Location: | 1036 Manhattan Avenue<br>New York, NY | Sampling Method: | Grab |
| | | Driller: | PG Environmental |
| Boring No: | SP-2 | Depth to Water: | Approximately 4 feet |
| Drilling Method: | Direct Push | | |

| Depth Below Grade and Lithology | | Soil Description | PID Reading (PPM) | USCS Symbol |
|---|---|---|---|---|
| 0 | | dry brown silt | 0.0 | sw |
| -2.5 | | 2.5 feet moist silty clay | 0.0 | sw |
| -5 | | 4.0 feet - wet fine grained sand | 0.0 | sw |

| Structural Engineering Technologies (SET) | **Soil Probe Log (SP-3)** |
|---|---|

| | | | |
|---|---|---|---|
| Job No.: | 190050 | Total Depth | 4 feet |
| Date: | 6/14/2019 | Sampling Interval: | 2.5 |
| Location: | 1036 Manhattan Avenue<br>New York, NY | Sampling Method: | Grab |
| | | Driller: | PG Environmental |
| Boring No: | SP-3 | Depth to Water: | Approximately 4 feet |
| Drilling Method: | Direct Push | | |

| Depth Below Grade and Lithology | | Soil Description | PID Reading (PPM) | USCS Symbol |
|---|---|---|---|---|
| 0<br>-2.5 | | dry brown silt | 0.0 | sw |
| | | 2.5 feet moist silty clay | 0.0 | sw |
| -5 | | 4.0 feet - wet fine grained sand | 0.0 | sw |

| Structural Engineering Technologies (SET) | **Soil Probe Log (SP-4)** |
|---|---|

| | | | |
|---|---|---|---|
| Job No.: | 190050 | Total Depth | 4 feet |
| Date: | 6/14/2019 | Sampling Interval: | 2.5 |
| Location: | 1036 Manhattan Avenue<br>New York, NY | Sampling Method: | Grab |
| | | Driller: | PG Environmental |
| Boring No: | SP-4 | Depth to Water: | Approximately 4 feet |
| Drilling Method: | Direct Push | | |

| Depth Below Grade and | | Soil Description | PID Reading (PPM) | USCS Symbol |
|---|---|---|---|---|
| 0<br>-2.5 | | dry brown silt | 0.0 | sw |
| | | 2.5 feet moist silty clay | 0.0 | sw |
| -5 | | 4.0 feet - wet fine grained sand | 0.0 | sw |

| Structural Engineering Technologies (SET) | **Soil Probe Log (SP-5)** |
|---|---|

| | | | |
|---|---|---|---|
| Job No.: | 190050 | Total Depth | 4 feet |
| Date: | 6/18/2019 | Sampling Interval: | 2.5 |
| Location: | 1036 Manhattan Avenue | Sampling Method: | Grab |
| | New York, NY | Driller: | PG Environmental |
| Boring No: | SP-5 | Depth to Water: | Approximately 4 feet |
| Drilling Method: | Direct Push | | |

| Depth Below Grade and Lithology | | Soil Description | PID Reading (PPM) | USCS Symbol |
|---|---|---|---|---|
| 0<br>-2.5 | | dry brown silt | 0.0 | sw |
| | | 2.5 feet moist silty clay | 0.0 | sw |
| -5 | | 4.0 feet - wet fine grained sand | 0.0 | sw |

| Structural Engineering Technologies (SET) | **Soil Probe Log (SP-6)** |
|---|---|

| | | | |
|---|---|---|---|
| Job No.: | 190050 | Total Depth | 12.5 feet |
| Date: | 6/18/2019 | Sampling Interval: | 2.5 |
| Location: | 1036 Manhattan Avenue<br>New York, NY | Sampling Method: | Grab |
| | | Driller: | PG Environmental |
| Boring No: | SP-6 | Depth to Water: | Approximately 12 feet |
| Drilling Method: | Direct Push | | |

| Depth Below Grade and Lithology | | Soil Description | PID Reading (PPM) | USCS Symbol |
|---|---|---|---|---|
| 0<br>-2.5 | | dry fine silty sand with fill material | 0.0 | OL |
| -5 | | SAB | 0.0 | OL |
| -7.5 | | SAB | 0.0 | SP |
| -10 | | SAB | 0.0 | SP |
| -12.5 | | SAB; saturated soil at about 12 feet below grade | 0.0 | SP |

# Appendix C

# Groundwater Logs

Groundwater Purge/Sample Logs
1036 Manhattan Avenue, Brooklyn, New York
Structure Engineering Technologies

| | |
|---|---|
| Well ID | MW-1 |
| Well Depth | 15 feet |
| Static Water Level | 2.6 feet |
| Gallons of Water per Well Volume | 0.041 |

| Time | Pump Rate | Gal. Removed | pH | Cond | Temp | DO (mg/L) | ORP mV | Turbidity (NTU) | TDS | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.5g/min | 0 | | | | | | | | Brown, Turbid |
| 2 | 0.5g/min | 2 | | | | | | | | Brown, Turbid |
| 5 | 0.5g/min | 4 | | | | | | | | Brown, lightly turbid |
| 11 | 0.5g/min | 6 | | | | | | | | Brown, lightly turbid |

Groundwater Purge/Sample Logs
1036 Manhattan Avenue, Brooklyn, New York
Structure Engineering Technologies

| | |
|---|---|
| Well ID | MW-2 |
| Well Depth | 15 feet |
| Static Water Level | 3.0 feet |
| Gallons of Water per Well Volume | 0.041 |

| Time | Pump Rate | Gal. Removed | pH | Cond | Temp | DO (mg/L) | ORP mV | Turbidity (NTU) | TDS | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.5g/min | 0 | | | | | | | | Brown, Turbid |
| 2 | 0.5g/min | 2 | | | | | | | | Brown, Turbid |
| 5 | 0.5g/min | 4 | | | | | | | | Brown, lightly turbid |
| 11 | 0.5g/min | 6 | | | | | | | | Brown, lightly turbid |

Groundwater Purge/Sample Logs
1036 Manhattan Avenue, Brooklyn, New York
Structure Engineering Technologies

| | |
|---|---|
| Well ID | MW-3 |
| Well Depth | 15 feet |
| Static Water Level | 4.5 feet |
| Gallons of Water per Well Volume | 0.041 |

| Time | Pump Rate | Gal. Removed | pH | Cond | Temp | DO (mg/L) | ORP mV | Turbidity (NTU) | TDS | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.5g/min | 0 | | | | | | | | Brown, Turbid |
| 2 | 0.5g/min | 2 | | | | | | | | Brown, Turbid |
| 5 | 0.5g/min | 4 | | | | | | | | Brown, lightly turbid |
| 11 | 0.5g/min | 6 | | | | | | | | Brown, lightly turbid |

Groundwater Purge/Sample Logs
1036 Manhattan Avenue, Brooklyn, New York
Structure Engineering Technologies

| | |
|---|---|
| Well ID | MW-4 |
| Well Depth | 22 feet |
| Static Water Level | 9.4 feet |
| Gallons of Water per Well Volume | 0.041 |

| Time | Pump Rate | Gal. Removed | pH | Cond | Temp | DO (mg/L) | ORP mV | Turbidity (NTU) | TDS | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.5g/min | 0 | | | | | | | | Brown, Turbid |
| 2 | 0.5g/min | 2 | | | | | | | | Brown, Turbid |
| 5 | 0.5g/min | 4 | | | | | | | | Brown, lightly turbid |
| 11 | 0.5g/min | 6 | | | | | | | | Brown, lightly turbid |

# Appendix D

# Soil Vapor Data Sheets

York Analytical Laboratories, Inc.
120 Research Drive, Stratford, CT 06615
132-02 89th Ave Queens, NY 11418
clientservices@yorklab.com
www.yorklab.com

YORK

# Field Chain-of-Custody Record - AIR

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. 19F1188

Page ____ of ____

| YOUR Information | Report To: | Invoice To: |
|---|---|---|
| Company: Tauchstone | Company: Tauchstone | Company: Tauchstone |
| Address: | Address: | Address: |
| Phone: | Phone: | Phone: |
| Contact: | Contact: | Contact: |
| E-mail: | E-mail: | E-mail: |

YOUR Project Number: 190050

YOUR Project Name: 1036 Manhattan Ave

YOUR PO#:

Turn-Around Time: RUSH - Next Day; RUSH - Two Day; RUSH - Three Day; 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.*

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

Air Matrix Codes: AI - Indoor Ambient Air; AO - Outdoor Amb. Air; AE - Vapor Extraction Well Process Gas/Effluent; AS - Soil Vapor/Sub-Slab

Samples From: New York; New Jersey; Connecticut; Pennsylvania; Other

Report / EDD Type (circle selections): Summary Report; QA Report; NY ASP A Package; NY ASP B Package; Other; CT RCP; CT RCP DQA/DUE; NJDEP Reduced Deliv.; NJDKQP; Standard Excel EDD; EQuIS (Standard); NYSDEC EQuIS; NJDEP SRP HazSite

YORK Reg. Comp.: Compared to the following Regulation(s): (please fill in)

Certified Canisters: Batch ___ Individual ___

Please enter the following REQUIRED Field Data

Reporting Units: ug/m³ ___ ppbv ___ ppmv ___

| Sample Identification | Date/Time Sampled | Air Matrix | Canister Vacuum Before Sampling (in Hg) | Canister Vacuum After Sampling (in Hg) | Canister ID | Flow Cont. ID | Analysis Requested |
|---|---|---|---|---|---|---|---|
| SV-1 | 6/26 9:20 | | -30 | -9 | 18315 | 5012 | TO-15 |
| SV-2 | 6/26 9:32 | | -30 | -9 | 20309 | 5117 | TO-15 |
| SV-3 | 6/26 10:24 | | -30 | -12 | 18293 | 7085 | TO-15 |
| SV-4 | 6/26 10:30 | | -30 | -15 | 20849 | 428 | TO-15 |

Comments:

Detection Limits Required: ≤ 1 ug/m³ ___ NYSDEC V1 Limits ___ Routine Survey ___ Other ___

Sampling Media: 6 Liter Canister; Tedlar Bag

| Samples Relinquished by / Company | Date/Time | Samples Received by / Company | Date/Time | Samples Relinquished by / Company | Date/Time |
|---|---|---|---|---|---|
| [signature] | 6/28/19 1050am | K Bachurek | 6/28/19 1050am | K Bachurek | 6/28/19 1642 |
| Samples Received by / Company | Date/Time | Samples Relinquished by / Company | Date/Time | Samples Received by / Company | Date/Time |
| J. Gale / YORK | 6-28-19/1642 | J. Gale / YORK | 6-28-19/1946 | Tom A / Smith | 6-28-19 1946 |
| Samples Relinquished by / Company | Date/Time | Samples Received by / Company | Date/Time | Samples Received in LAB by | Date/Time |
| Tom A / Smith | Lab Secure 6/28/19 | | | Alene A Schock | 7/1/19 11:00 |

# Appendix E

# Laboratory Analytical Reports

YORK
ANALYTICAL LABORATORIES, INC.
120 RESEARCH DR. STRATFORD, CT 06615
(203) 325-1371 FAX (203) 357-0166

# Field Chain-of-Custody Record - AIR

Page____ of____

**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 unless superseded by written contract.

**York Project No.** 19G0333

| YOUR Information | Report To: | Invoice To: | YOUR Project ID | Turn-Around Time | Report Type/Deliverables |
|---|---|---|---|---|---|
| Company: Touchstone | Company: Touchstone | Company: Touchstone | 190050 | RUSH - Same Day ☐ | Summary Report ____ |
| Address: | Address: | Address: | Purchase Order No. | RUSH - Next Day ☐ | Summary w/ QA Summary ____ |
| Phone No. | Phone No. | Phone No. | | RUSH - Two Day ☐ | CT RCP Package ____ |
| Contact Person: | Attention: | Attention: | | RUSH - Three Day ☐ | NY ASP A Package ____ |
| E-Mail Address: | E-Mail Address: | E-Mail Address: | Samples from: CT___ NY___ NJ___ | RUSH - Four Day ☐ | NY ASP B/CLP Pkg ____ |
| | | | | Standard(5-7 Days) ☐ | NJDEP Reduced ____ |
| | | | | | Electronic Deliverables: |
| | | | | | EDD (Specify Type) ____ |
| | | | | | Standard Excel ____ |
| | | | | | Regulatory Comparison Excel ____ |

***Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.***

Samples Collected/Authorized By (Signature)

Mehmet Ataman
Name (printed)

**Air Matrix Codes**

AI - INDOOR Ambient Air
AO- OUTDOOR Amb. Air
AE- Vapor Extraction Well/ Process Gas/Effluent
AS- SOIL Vapor/Sub-Slab

**TO15 Volatiles and Other Gas Analyses**

| | |
|---|---|
| EPA TO-15 List | EPA TO-14A List |
| NYSDEC VI list | Tentatively Identified Compounds |
| NYSDEC STARS List | Air VPH |
| **Project Specific List by TO-15** | Helium |
| NJDEP Target List | Methane |
| CTDEP RCP Target List | OTHER____ |

**Detection Limits Required**

≤ 1 ug/m³ ____
NYSDEC VI Limits____ (VI - vapor intrusion)
NJDEP low level ____
Routine Survey ____
Other____

**Special Instructions**

| Sample Identification | Date Sampled | AIR Matrix | Canister Vacuum Before Sampling (in. Hg) | Canister Vacuum After Sampling (in. Hg) | Choose Analyses Needed from the Menu Above and Enter Below | Sampling Media |
|---|---|---|---|---|---|---|
| IA (canister ID 28854) | 7/2/19 | AI | -30 | -6 | TO-15 | 6 Liter Summa canister ✓ Tedlar Bag ____ |
| OA (canister ID 17347) | 7/2/19 | AO | -30 | -10 | TO-15 | 6 Liter Summa canister ✓ Tedlar Bag ____ |
| SV5 (canister ID 20754) | 7/2/19 | AS | -30 | -10 | TO-15 | 6 Liter Summa canister ✓ Tedlar Bag ____ |
| SV6 (canister ID 28315) | 7/2/19 | AS | -30 | -8 | TO-15 | 6 Liter Summa canister ✓ Tedlar Bag ____ |
| SV7 (canister ID 23802) | 7/2/19 | AS | -30 | -14 | TO-15 | 6 Liter Summa canister ✓ Tedlar Bag ____ |
| | | | | | | 6 Liter Summa canister ____ Tedlar Bag ____ |
| | | | | | | 6 Liter Summa canister ____ Tedlar Bag ____ |
| | | | | | | 6 Liter Summa canister ____ Tedlar Bag ____ |
| | | | | | | 6 Liter Summa canister ____ Tedlar Bag ____ |
| | | | | | | 6 Liter Summa canister ____ Tedlar Bag ____ |
| | | | | | | 6 Liter Summa canister ____ Tedlar Bag ____ |

Comments
Received: 7-9-19 1910

Samples Relinquished By — Date/Time: 7/9/19
Samples Relinquished By — Date/Time: 7/9/19

Samples Received By — Date/Time: 7/9/19 1:50pm
Samples Received in LAB by — Date/Time: 7/10/19 7:45am

# Technical Report

prepared for:

**Touchstone Environmental Geology, PC**
8 Dolphin Drive
Centereach NY, 11720
**Attention: Rachel Ataman**

Report Date: 06/27/2019
**Client Project ID: 1036 Manhattan Ave**
York Project (SDG) No.: 19F0828

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

Report Date: 06/27/2019
Client Project ID: 1036 Manhattan Ave
York Project (SDG) No.: 19F0828

**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 June 20, 2019 with a temperature of 1.4 C. The project was identified as your project: **1036 Manhattan Ave**.

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.

| York Sample ID | Client Sample ID | Matrix | Date Collected | Date Received |
|---|---|---|---|---|
| 19F0828-01 | SP-1 (0-2) | Soil | 06/13/2019 | 06/20/2019 |
| 19F0828-02 | SP-1 (2-4) | Soil | 06/13/2019 | 06/20/2019 |
| 19F0828-03 | SP-2 (0-2) | Soil | 06/14/2019 | 06/20/2019 |
| 19F0828-04 | SP-2 (2-4) | Soil | 06/14/2019 | 06/20/2019 |
| 19F0828-05 | SP-3 (0-2) | Soil | 06/14/2019 | 06/20/2019 |
| 19F0828-06 | SP-3 (2-4) | Soil | 06/14/2019 | 06/20/2019 |
| 19F0828-07 | SP-4 (0-2) | Soil | 06/14/2019 | 06/20/2019 |
| 19F0828-08 | SP-4 (2-4) | Soil | 06/14/2019 | 06/20/2019 |
| 19F0828-09 | SP-5 (0-2) | Soil | 06/18/2019 | 06/20/2019 |
| 19F0828-10 | SP-5 (2-4) | Soil | 06/18/2019 | 06/20/2019 |
| 19F0828-11 | SP-6 (0-2) | Soil | 06/18/2019 | 06/20/2019 |
| 19F0828-12 | SP-6 (10-12) | Soil | 06/18/2019 | 06/20/2019 |
| 19F0828-13 | SP-6 (2-4) | Soil | 06/18/2019 | 06/20/2019 |

## General Notes for York Project (SDG) No.: 19F0828

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:** **Date:** 06/27/2019

Benjamin Gulizia
Laboratory Director

## Sample Information

**Client Sample ID:** **SP-1 (0-2)** **York Sample ID:** **19F0828-01**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 13, 2019 12:00 am | 06/20/2019 |

**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 | 2.4 | 4.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 03:20 | RDS |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | ug/kg dry | 2.4 | 4.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 03:20 | RDS |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | ug/kg dry | 2.4 | 4.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 03:20 | RDS |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | | ug/kg dry | 2.4 | 4.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 03:20 | RDS |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | ug/kg dry | 2.4 | 4.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 03:20 | RDS |
| 75-34-3 | 1,1-Dichloroethane | ND | | ug/kg dry | 2.4 | 4.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 03:20 | RDS |
| 75-35-4 | 1,1-Dichloroethylene | ND | | ug/kg dry | 2.4 | 4.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 03:20 | RDS |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | | ug/kg dry | 2.4 | 4.7 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 06/25/2019 12:30 | 06/26/2019 03:20 | RDS |
| 96-18-4 | 1,2,3-Trichloropropane | ND | | ug/kg dry | 2.4 | 4.7 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP | 06/25/2019 12:30 | 06/26/2019 03:20 | RDS |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | ug/kg dry | 2.4 | 4.7 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 06/25/2019 12:30 | 06/26/2019 03:20 | RDS |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | | ug/kg dry | 2.4 | 4.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 03:20 | RDS |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | | ug/kg dry | 2.4 | 4.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 03:20 | RDS |
| 106-93-4 | 1,2-Dibromoethane | ND | | ug/kg dry | 2.4 | 4.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 03:20 | RDS |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | ug/kg dry | 2.4 | 4.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 03:20 | RDS |
| 107-06-2 | 1,2-Dichloroethane | ND | | ug/kg dry | 2.4 | 4.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 03:20 | RDS |
| 78-87-5 | 1,2-Dichloropropane | ND | | ug/kg dry | 2.4 | 4.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 03:20 | RDS |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | | ug/kg dry | 2.4 | 4.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 03:20 | RDS |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | ug/kg dry | 2.4 | 4.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 03:20 | RDS |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | ug/kg dry | 2.4 | 4.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 03:20 | RDS |
| 123-91-1 | 1,4-Dioxane | ND | | ug/kg dry | 47 | 94 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 06/25/2019 12:30 | 06/26/2019 03:20 | RDS |

## Sample Information

**Client Sample ID:** **SP-1 (0-2)** **York Sample ID:** **19F0828-01**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 13, 2019 12:00 am | 06/20/2019 |

**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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 78-93-3 | 2-Butanone | ND | | ug/kg dry | 2.4 | 4.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 03:20 | RDS |
| 591-78-6 | 2-Hexanone | ND | | ug/kg dry | 2.4 | 4.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 03:20 | RDS |
| 108-10-1 | 4-Methyl-2-pentanone | ND | | ug/kg dry | 2.4 | 4.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 03:20 | RDS |
| 67-64-1 | **Acetone** | **17** | CCV-E | ug/kg dry | 4.7 | 9.4 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 03:20 | RDS |
| 107-02-8 | Acrolein | ND | | ug/kg dry | 4.7 | 9.4 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 03:20 | RDS |
| 107-13-1 | Acrylonitrile | ND | | ug/kg dry | 2.4 | 4.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 03:20 | RDS |
| 71-43-2 | Benzene | ND | | ug/kg dry | 2.4 | 4.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 03:20 | RDS |
| 74-97-5 | Bromochloromethane | ND | | ug/kg dry | 2.4 | 4.7 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 06/25/2019 12:30 | 06/26/2019 03:20 | RDS |
| 75-27-4 | Bromodichloromethane | ND | | ug/kg dry | 2.4 | 4.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 03:20 | RDS |
| 75-25-2 | Bromoform | ND | | ug/kg dry | 2.4 | 4.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 03:20 | RDS |
| 74-83-9 | Bromomethane | ND | | ug/kg dry | 2.4 | 4.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 03:20 | RDS |
| 75-15-0 | Carbon disulfide | ND | | ug/kg dry | 2.4 | 4.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 03:20 | RDS |
| 56-23-5 | Carbon tetrachloride | ND | | ug/kg dry | 2.4 | 4.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 03:20 | RDS |
| 108-90-7 | Chlorobenzene | ND | | ug/kg dry | 2.4 | 4.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 03:20 | RDS |
| 75-00-3 | Chloroethane | ND | | ug/kg dry | 2.4 | 4.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 03:20 | RDS |
| 67-66-3 | Chloroform | ND | | ug/kg dry | 2.4 | 4.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 03:20 | RDS |
| 74-87-3 | Chloromethane | ND | | ug/kg dry | 2.4 | 4.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 03:20 | RDS |
| 156-59-2 | cis-1,2-Dichloroethylene | ND | | ug/kg dry | 2.4 | 4.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 03:20 | RDS |
| 10061-01-5 | cis-1,3-Dichloropropylene | ND | | ug/kg dry | 2.4 | 4.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 03:20 | RDS |
| 110-82-7 | Cyclohexane | ND | | ug/kg dry | 2.4 | 4.7 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 06/25/2019 12:30 | 06/26/2019 03:20 | RDS |
| 124-48-1 | Dibromochloromethane | ND | | ug/kg dry | 2.4 | 4.7 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 06/25/2019 12:30 | 06/26/2019 03:20 | RDS |

## Sample Information

**Client Sample ID:** **SP-1 (0-2)** **York Sample ID:** **19F0828-01**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 13, 2019 12:00 am | 06/20/2019 |

**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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 74-95-3 | Dibromomethane | ND | | ug/kg dry | 2.4 | 4.7 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 03:20 | RDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | | |
| 75-71-8 | Dichlorodifluoromethane | ND | | ug/kg dry | 2.4 | 4.7 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 03:20 | RDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | | |
| 100-41-4 | Ethyl Benzene | ND | | ug/kg dry | 2.4 | 4.7 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 03:20 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 87-68-3 | Hexachlorobutadiene | ND | | ug/kg dry | 2.4 | 4.7 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 03:20 | RDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | | |
| 98-82-8 | Isopropylbenzene | ND | | ug/kg dry | 2.4 | 4.7 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 03:20 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 79-20-9 | Methyl acetate | ND | | ug/kg dry | 2.4 | 4.7 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 03:20 | RDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | | |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | | ug/kg dry | 2.4 | 4.7 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 03:20 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 108-87-2 | Methylcyclohexane | ND | | ug/kg dry | 2.4 | 4.7 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 03:20 | RDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | | |
| 75-09-2 | Methylene chloride | ND | | ug/kg dry | 4.7 | 9.4 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 03:20 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 104-51-8 | n-Butylbenzene | ND | | ug/kg dry | 2.4 | 4.7 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 03:20 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 103-65-1 | n-Propylbenzene | ND | | ug/kg dry | 2.4 | 4.7 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 03:20 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 95-47-6 | o-Xylene | ND | | ug/kg dry | 2.4 | 4.7 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 03:20 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,PA | | |
| 179601-23-1 | p- & m- Xylenes | ND | | ug/kg dry | 4.7 | 9.4 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 03:20 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,PA | | |
| 99-87-6 | p-Isopropyltoluene | ND | | ug/kg dry | 2.4 | 4.7 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 03:20 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 135-98-8 | sec-Butylbenzene | ND | | ug/kg dry | 2.4 | 4.7 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 03:20 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 100-42-5 | Styrene | ND | | ug/kg dry | 2.4 | 4.7 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 03:20 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 75-65-0 | tert-Butyl alcohol (TBA) | ND | | ug/kg dry | 2.4 | 24 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 03:20 | RDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | | |
| 98-06-6 | tert-Butylbenzene | ND | | ug/kg dry | 2.4 | 4.7 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 03:20 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 127-18-4 | Tetrachloroethylene | ND | | ug/kg dry | 2.4 | 4.7 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 03:20 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 108-88-3 | Toluene | ND | | ug/kg dry | 2.4 | 4.7 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 03:20 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 156-60-5 | trans-1,2-Dichloroethylene | ND | | ug/kg dry | 2.4 | 4.7 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 03:20 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |

## Sample Information

**Client Sample ID:** **SP-1 (0-2)** **York Sample ID:** **19F0828-01**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 13, 2019 12:00 am | 06/20/2019 |

### 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 10061-02-6 | trans-1,3-Dichloropropylene | ND | | ug/kg dry | 2.4 | 4.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 03:20 | RDS |
| 110-57-6 | * trans-1,4-dichloro-2-butene | ND | | ug/kg dry | 2.4 | 4.7 | 1 | EPA 8260C<br>Certifications: CTDOH | 06/25/2019 12:30 | 06/26/2019 03:20 | RDS |
| 79-01-6 | Trichloroethylene | ND | | ug/kg dry | 2.4 | 4.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 03:20 | RDS |
| 75-69-4 | Trichlorofluoromethane | ND | | ug/kg dry | 2.4 | 4.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 03:20 | RDS |
| 75-01-4 | Vinyl Chloride | ND | | ug/kg dry | 2.4 | 4.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 03:20 | RDS |
| 1330-20-7 | Xylenes, Total | ND | | ug/kg dry | 7.1 | 14 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 03:20 | RDS |

| | Surrogate Recoveries | Result | Acceptance Range |
|---|---|---|---|
| 17060-07-0 | *Surrogate: SURR: 1,2-Dichloroethane-d4* | *84.4 %* | *77-125* |
| 2037-26-5 | *Surrogate: SURR: Toluene-d8* | *95.9 %* | *85-120* |
| 460-00-4 | *Surrogate: SURR: p-Bromofluorobenzene* | *104 %* | *76-130* |

### Semi-Volatiles, 8270 - Comprehensive

**Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 92-52-4 | 1,1-Biphenyl | ND | | ug/kg dry | 47.0 | 93.8 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:04 | SR |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg dry | 93.8 | 187 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:04 | SR |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | ug/kg dry | 47.0 | 93.8 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:04 | SR |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | ug/kg dry | 47.0 | 93.8 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP | 06/25/2019 14:22 | 06/26/2019 16:04 | SR |
| 122-66-7 | 1,2-Diphenylhydrazine (as Azobenzene) | ND | | ug/kg dry | 47.0 | 93.8 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:04 | SR |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | ug/kg dry | 47.0 | 93.8 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP | 06/25/2019 14:22 | 06/26/2019 16:04 | SR |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | ug/kg dry | 47.0 | 93.8 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP | 06/25/2019 14:22 | 06/26/2019 16:04 | SR |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | ND | | ug/kg dry | 93.8 | 187 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:04 | SR |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | | ug/kg dry | 47.0 | 93.8 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:04 | SR |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | | ug/kg dry | 47.0 | 93.8 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:04 | SR |

## Sample Information

**Client Sample ID:** **SP-1 (0-2)** **York Sample ID:** **19F0828-01**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 13, 2019 12:00 am | 06/20/2019 |

**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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 120-83-2 | 2,4-Dichlorophenol | ND | | ug/kg dry | 47.0 | 93.8 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/26/2019 16:04 | SR |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 105-67-9 | 2,4-Dimethylphenol | ND | | ug/kg dry | 47.0 | 93.8 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/26/2019 16:04 | SR |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 51-28-5 | 2,4-Dinitrophenol | ND | | ug/kg dry | 93.8 | 187 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/26/2019 16:04 | SR |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 121-14-2 | 2,4-Dinitrotoluene | ND | | ug/kg dry | 47.0 | 93.8 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/26/2019 16:04 | SR |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 606-20-2 | 2,6-Dinitrotoluene | ND | | ug/kg dry | 47.0 | 93.8 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/26/2019 16:04 | SR |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 91-58-7 | 2-Chloronaphthalene | ND | | ug/kg dry | 47.0 | 93.8 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/26/2019 16:04 | SR |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 95-57-8 | 2-Chlorophenol | ND | | ug/kg dry | 47.0 | 93.8 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/26/2019 16:04 | SR |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 91-57-6 | 2-Methylnaphthalene | ND | | ug/kg dry | 47.0 | 93.8 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/26/2019 16:04 | SR |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 95-48-7 | 2-Methylphenol | ND | | ug/kg dry | 47.0 | 93.8 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/26/2019 16:04 | SR |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 88-74-4 | 2-Nitroaniline | ND | | ug/kg dry | 93.8 | 187 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/26/2019 16:04 | SR |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 88-75-5 | 2-Nitrophenol | ND | | ug/kg dry | 47.0 | 93.8 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/26/2019 16:04 | SR |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 65794-96-9 | 3- & 4-Methylphenols | ND | | ug/kg dry | 47.0 | 93.8 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/26/2019 16:04 | SR |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 91-94-1 | 3,3-Dichlorobenzidine | ND | | ug/kg dry | 47.0 | 93.8 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/26/2019 16:04 | SR |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,PADEP | | |
| 99-09-2 | 3-Nitroaniline | ND | | ug/kg dry | 93.8 | 187 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/26/2019 16:04 | SR |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | ND | | ug/kg dry | 93.8 | 187 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/26/2019 16:04 | SR |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | | ug/kg dry | 47.0 | 93.8 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/26/2019 16:04 | SR |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 59-50-7 | 4-Chloro-3-methylphenol | ND | | ug/kg dry | 47.0 | 93.8 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/26/2019 16:04 | SR |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 106-47-8 | 4-Chloroaniline | ND | | ug/kg dry | 47.0 | 93.8 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/26/2019 16:04 | SR |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | | ug/kg dry | 47.0 | 93.8 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/26/2019 16:04 | SR |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 100-01-6 | 4-Nitroaniline | ND | | ug/kg dry | 93.8 | 187 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/26/2019 16:04 | SR |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 100-02-7 | 4-Nitrophenol | ND | | ug/kg dry | 93.8 | 187 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/26/2019 16:04 | SR |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |

## Sample Information

**Client Sample ID:** **SP-1 (0-2)** **York Sample ID:** **19F0828-01**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 13, 2019 12:00 am | 06/20/2019 |

**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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 83-32-9 | Acenaphthene | ND | | ug/kg dry | 47.0 | 93.8 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:04 | SR |
| 208-96-8 | Acenaphthylene | ND | | ug/kg dry | 47.0 | 93.8 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:04 | SR |
| 98-86-2 | Acetophenone | ND | | ug/kg dry | 47.0 | 93.8 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:04 | SR |
| 62-53-3 | Aniline | ND | | ug/kg dry | 188 | 376 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:04 | SR |
| 120-12-7 | Anthracene | ND | | ug/kg dry | 47.0 | 93.8 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:04 | SR |
| 1912-24-9 | Atrazine | ND | | ug/kg dry | 47.0 | 93.8 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:04 | SR |
| 100-52-7 | Benzaldehyde | ND | | ug/kg dry | 47.0 | 93.8 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:04 | SR |
| 92-87-5 | Benzidine | ND | | ug/kg dry | 188 | 376 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,PADEP | 06/25/2019 14:22 | 06/26/2019 16:04 | SR |
| 56-55-3 | **Benzo(a)anthracene** | **112** | | ug/kg dry | 47.0 | 93.8 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:04 | SR |
| 50-32-8 | **Benzo(a)pyrene** | **113** | | ug/kg dry | 47.0 | 93.8 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:04 | SR |
| 205-99-2 | **Benzo(b)fluoranthene** | **88.5** | J | ug/kg dry | 47.0 | 93.8 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:04 | SR |
| 191-24-2 | **Benzo(g,h,i)perylene** | **70.5** | J | ug/kg dry | 47.0 | 93.8 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:04 | SR |
| 207-08-9 | **Benzo(k)fluoranthene** | **95.2** | | ug/kg dry | 47.0 | 93.8 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:04 | SR |
| 65-85-0 | Benzoic acid | ND | | ug/kg dry | 47.0 | 93.8 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:04 | SR |
| 100-51-6 | Benzyl alcohol | ND | | ug/kg dry | 47.0 | 93.8 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:04 | SR |
| 85-68-7 | Benzyl butyl phthalate | ND | | ug/kg dry | 47.0 | 93.8 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:04 | SR |
| 111-91-1 | Bis(2-chloroethoxy)methane | ND | | ug/kg dry | 47.0 | 93.8 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:04 | SR |
| 111-44-4 | Bis(2-chloroethyl)ether | ND | | ug/kg dry | 47.0 | 93.8 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:04 | SR |
| 108-60-1 | Bis(2-chloroisopropyl)ether | ND | | ug/kg dry | 47.0 | 93.8 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:04 | SR |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | ND | | ug/kg dry | 47.0 | 93.8 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:04 | SR |
| 105-60-2 | Caprolactam | ND | | ug/kg dry | 93.8 | 187 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:04 | SR |
| 86-74-8 | Carbazole | ND | | ug/kg dry | 47.0 | 93.8 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:04 | SR |

## Sample Information

**Client Sample ID:** **SP-1 (0-2)** **York Sample ID:** **19F0828-01**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 13, 2019 12:00 am | 06/20/2019 |

**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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 218-01-9 | **Chrysene** | **115** | | ug/kg dry | 47.0 | 93.8 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:04 | SR |
| 53-70-3 | Dibenzo(a,h)anthracene | ND | | ug/kg dry | 47.0 | 93.8 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:04 | SR |
| 132-64-9 | Dibenzofuran | ND | | ug/kg dry | 47.0 | 93.8 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:04 | SR |
| 84-66-2 | Diethyl phthalate | ND | | ug/kg dry | 47.0 | 93.8 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:04 | SR |
| 131-11-3 | Dimethyl phthalate | ND | | ug/kg dry | 47.0 | 93.8 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:04 | SR |
| 84-74-2 | Di-n-butyl phthalate | ND | | ug/kg dry | 47.0 | 93.8 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:04 | SR |
| 117-84-0 | Di-n-octyl phthalate | ND | | ug/kg dry | 47.0 | 93.8 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:04 | SR |
| 206-44-0 | **Fluoranthene** | **244** | | ug/kg dry | 47.0 | 93.8 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:04 | SR |
| 86-73-7 | Fluorene | ND | | ug/kg dry | 47.0 | 93.8 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:04 | SR |
| 118-74-1 | Hexachlorobenzene | ND | | ug/kg dry | 47.0 | 93.8 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:04 | SR |
| 87-68-3 | Hexachlorobutadiene | ND | | ug/kg dry | 47.0 | 93.8 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:04 | SR |
| 77-47-4 | Hexachlorocyclopentadiene | ND | | ug/kg dry | 47.0 | 93.8 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:04 | SR |
| 67-72-1 | Hexachloroethane | ND | | ug/kg dry | 47.0 | 93.8 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:04 | SR |
| 193-39-5 | **Indeno(1,2,3-cd)pyrene** | **55.5** | J | ug/kg dry | 47.0 | 93.8 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:04 | SR |
| 78-59-1 | Isophorone | ND | | ug/kg dry | 47.0 | 93.8 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:04 | SR |
| 91-20-3 | Naphthalene | ND | | ug/kg dry | 47.0 | 93.8 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:04 | SR |
| 98-95-3 | Nitrobenzene | ND | | ug/kg dry | 47.0 | 93.8 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:04 | SR |
| 62-75-9 | N-Nitrosodimethylamine | ND | | ug/kg dry | 47.0 | 93.8 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:04 | SR |
| 621-64-7 | N-nitroso-di-n-propylamine | ND | | ug/kg dry | 47.0 | 93.8 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:04 | SR |
| 86-30-6 | N-Nitrosodiphenylamine | ND | | ug/kg dry | 47.0 | 93.8 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:04 | SR |
| 87-86-5 | Pentachlorophenol | ND | | ug/kg dry | 47.0 | 93.8 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:04 | SR |
| 85-01-8 | **Phenanthrene** | **240** | | ug/kg dry | 47.0 | 93.8 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:04 | SR |

## Sample Information

**Client Sample ID:** **SP-1 (0-2)** **York Sample ID:** **19F0828-01**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 13, 2019 12:00 am | 06/20/2019 |

### 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 108-95-2 | Phenol | ND | | ug/kg dry | 47.0 | 93.8 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:04 | SR |
| 129-00-0 | **Pyrene** | **231** | | ug/kg dry | 47.0 | 93.8 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:04 | SR |

| | Surrogate Recoveries | Result | | Acceptance Range |
|---|---|---|---|---|
| 367-12-4 | *Surrogate: SURR: 2-Fluorophenol* | *38.8 %* | | *20-108* |
| 4165-62-2 | *Surrogate: SURR: Phenol-d5* | *60.0 %* | | *23-114* |
| 4165-60-0 | *Surrogate: SURR: Nitrobenzene-d5* | *64.1 %* | | *22-108* |
| 321-60-8 | *Surrogate: SURR: 2-Fluorobiphenyl* | *74.0 %* | | *21-113* |
| 118-79-6 | *Surrogate: SURR: 2,4,6-Tribromophenol* | *13.8 %* | S-08 | *19-110* |
| 1718-51-0 | *Surrogate: SURR: Terphenyl-d14* | *79.5 %* | | *24-116* |

### Pesticides, 8081 target list

**Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 72-54-8 | 4,4'-DDD | ND | | ug/kg dry | 1.86 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 17:33 | CM |
| 72-55-9 | 4,4'-DDE | ND | | ug/kg dry | 1.86 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 17:33 | CM |
| 50-29-3 | 4,4'-DDT | ND | | ug/kg dry | 1.86 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 17:33 | CM |
| 309-00-2 | Aldrin | ND | | ug/kg dry | 1.86 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 17:33 | CM |
| 319-84-6 | alpha-BHC | ND | | ug/kg dry | 1.86 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 17:33 | CM |
| 5103-71-9 | alpha-Chlordane | ND | | ug/kg dry | 1.86 | 5 | EPA 8081B<br>Certifications: NELAC-NY10854,NJDEP | 06/25/2019 07:59 | 06/26/2019 17:33 | CM |
| 319-85-7 | beta-BHC | ND | | ug/kg dry | 1.86 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 17:33 | CM |
| 57-74-9 | Chlordane, total | ND | | ug/kg dry | 37.2 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 17:33 | CM |
| 319-86-8 | delta-BHC | ND | | ug/kg dry | 1.86 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 17:33 | CM |
| 60-57-1 | Dieldrin | ND | | ug/kg dry | 1.86 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 17:33 | CM |
| 959-98-8 | Endosulfan I | ND | | ug/kg dry | 1.86 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 17:33 | CM |
| 33213-65-9 | Endosulfan II | ND | | ug/kg dry | 1.86 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854 | 06/25/2019 07:59 | 06/26/2019 17:33 | CM |

## Sample Information

**Client Sample ID:** **SP-1 (0-2)** **York Sample ID:** **19F0828-01**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 13, 2019 12:00 am | 06/20/2019 |

### Pesticides, 8081 target list

**Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 1031-07-8 | Endosulfan sulfate | ND | | ug/kg dry | 1.86 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 17:33 | CM |
| 72-20-8 | Endrin | ND | | ug/kg dry | 1.86 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 17:33 | CM |
| 7421-93-4 | Endrin aldehyde | ND | | ug/kg dry | 1.86 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 17:33 | CM |
| 53494-70-5 | Endrin ketone | ND | | ug/kg dry | 1.86 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 17:33 | CM |
| 58-89-9 | gamma-BHC (Lindane) | ND | | ug/kg dry | 1.86 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 17:33 | CM |
| 5566-34-7 | gamma-Chlordane | ND | | ug/kg dry | 1.86 | 5 | EPA 8081B<br>Certifications: NELAC-NY10854,NJDEP | 06/25/2019 07:59 | 06/26/2019 17:33 | CM |
| 76-44-8 | Heptachlor | ND | | ug/kg dry | 1.86 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 17:33 | CM |
| 1024-57-3 | Heptachlor epoxide | ND | | ug/kg dry | 1.86 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 17:33 | CM |
| 72-43-5 | Methoxychlor | ND | | ug/kg dry | 9.31 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 17:33 | CM |
| 8001-35-2 | Toxaphene | ND | | ug/kg dry | 94.2 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 17:33 | CM |

| | Surrogate Recoveries | Result | Acceptance Range |
|---|---|---|---|
| 2051-24-3 | *Surrogate: Decachlorobiphenyl* | *95.6 %* | *30-150* |
| 877-09-8 | *Surrogate: Tetrachloro-m-xylene* | *79.1 %* | *30-150* |

### Polychlorinated Biphenyls (PCB)

**Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 12674-11-2 | Aroclor 1016 | ND | | mg/kg dry | 0.0188 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 15:11 | SR |
| 11104-28-2 | Aroclor 1221 | ND | | mg/kg dry | 0.0188 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 15:11 | SR |
| 11141-16-5 | Aroclor 1232 | ND | | mg/kg dry | 0.0188 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 15:11 | SR |
| 53469-21-9 | Aroclor 1242 | ND | | mg/kg dry | 0.0188 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 15:11 | SR |
| 12672-29-6 | Aroclor 1248 | ND | | mg/kg dry | 0.0188 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 15:11 | SR |
| 11097-69-1 | Aroclor 1254 | ND | | mg/kg dry | 0.0188 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 15:11 | SR |
| 11096-82-5 | Aroclor 1260 | ND | | mg/kg dry | 0.0188 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 15:11 | SR |

# Sample Information

**Client Sample ID:** **SP-1 (0-2)** **York Sample ID:** **19F0828-01**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 13, 2019 12:00 am | 06/20/2019 |

## 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 |
|---|---|---|---|---|---|---|---|---|---|---|
| 1336-36-3 | * Total PCBs | ND | | mg/kg dry | 0.0188 | 1 | EPA 8082A<br>Certifications: | 06/25/2019 07:59 | 06/26/2019 15:11 | SR |

| | Surrogate Recoveries | Result | Acceptance Range |
|---|---|---|---|
| 877-09-8 | *Surrogate: Tetrachloro-m-xylene* | *82.0 %* | *30-140* |
| 2051-24-3 | *Surrogate: Decachlorobiphenyl* | *71.5 %* | *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** | **12000** | | mg/kg dry | 5.70 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:21 | KML |
| 7440-36-0 | Antimony | ND | | mg/kg dry | 2.85 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:21 | KML |
| 7440-38-2 | **Arsenic** | **4.74** | | mg/kg dry | 1.71 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:21 | KML |
| 7440-39-3 | **Barium** | **97.1** | | mg/kg dry | 2.85 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:21 | KML |
| 7440-41-7 | **Beryllium** | **0.136** | B | mg/kg dry | 0.057 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:21 | KML |
| 7440-43-9 | **Cadmium** | **0.464** | | mg/kg dry | 0.342 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:21 | KML |
| 7440-70-2 | **Calcium** | **57500** | | mg/kg dry | 5.70 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:21 | KML |
| 7440-47-3 | **Chromium** | **17.5** | | mg/kg dry | 0.570 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:21 | KML |
| 7440-48-4 | **Cobalt** | **6.49** | | mg/kg dry | 0.456 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:21 | KML |
| 7440-50-8 | **Copper** | **20.6** | | mg/kg dry | 2.28 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:21 | KML |
| 7439-89-6 | **Iron** | **13800** | | mg/kg dry | 28.5 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:21 | KML |
| 7439-92-1 | **Lead** | **56.9** | | mg/kg dry | 0.570 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:21 | KML |
| 7439-95-4 | **Magnesium** | **6450** | | mg/kg dry | 5.70 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:21 | KML |
| 7439-96-5 | **Manganese** | **443** | | mg/kg dry | 0.570 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:21 | KML |
| 7440-02-0 | **Nickel** | **12.8** | | mg/kg dry | 1.14 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:21 | KML |
| 7440-09-7 | **Potassium** | **1260** | | mg/kg dry | 5.70 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:21 | KML |
| 7782-49-2 | Selenium | ND | | mg/kg dry | 2.85 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:21 | KML |

## Sample Information

**Client Sample ID:** **SP-1 (0-2)** **York Sample ID:** **19F0828-01**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 13, 2019 12:00 am | 06/20/2019 |

### 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 |
|---|---|---|---|---|---|---|---|---|---|---|
| 7440-22-4 | Silver | ND | | mg/kg dry | 0.570 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:21 | KML |
| 7440-23-5 | **Sodium** | **391** | | mg/kg dry | 57.0 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:21 | KML |
| 7440-28-0 | Thallium | ND | | mg/kg dry | 2.85 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:21 | KML |
| 7440-62-2 | **Vanadium** | **18.4** | | mg/kg dry | 1.14 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:21 | KML |
| 7440-66-6 | **Zinc** | **58.4** | | mg/kg dry | 2.85 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:21 | 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** | **0.477** | | mg/kg dry | 0.0342 | 1 | EPA 7473<br>Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP | 06/21/2019 11:52 | 06/21/2019 12:28 | 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** | **87.8** | | % | 0.100 | 1 | SM 2540G<br>Certifications: CTDOH | 06/24/2019 14:31 | 06/25/2019 15:41 | JTV |

## Sample Information

**Client Sample ID:** **SP-1 (2-4)** **York Sample ID:** **19F0828-02**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 13, 2019 12:00 am | 06/20/2019 |

### 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<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 03:46 | RDS |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | ug/kg dry | 2.5 | 5.0 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 03:46 | RDS |

## Sample Information

**Client Sample ID:** **SP-1 (2-4)** **York Sample ID:** **19F0828-02**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 13, 2019 12:00 am | 06/20/2019 |

**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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | ug/kg dry | 2.5 | 5.0 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 03:46 | RDS |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | | ug/kg dry | 2.5 | 5.0 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 03:46 | RDS |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | ug/kg dry | 2.5 | 5.0 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 03:46 | RDS |
| 75-34-3 | 1,1-Dichloroethane | ND | | ug/kg dry | 2.5 | 5.0 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 03:46 | RDS |
| 75-35-4 | 1,1-Dichloroethylene | ND | | ug/kg dry | 2.5 | 5.0 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 03:46 | RDS |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | | ug/kg dry | 2.5 | 5.0 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 06/25/2019 12:30 | 06/26/2019 03:46 | RDS |
| 96-18-4 | 1,2,3-Trichloropropane | ND | | ug/kg dry | 2.5 | 5.0 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP | 06/25/2019 12:30 | 06/26/2019 03:46 | RDS |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | ug/kg dry | 2.5 | 5.0 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 06/25/2019 12:30 | 06/26/2019 03:46 | RDS |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | | ug/kg dry | 2.5 | 5.0 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 03:46 | RDS |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | | ug/kg dry | 2.5 | 5.0 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 03:46 | RDS |
| 106-93-4 | 1,2-Dibromoethane | ND | | ug/kg dry | 2.5 | 5.0 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 03:46 | RDS |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | ug/kg dry | 2.5 | 5.0 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 03:46 | RDS |
| 107-06-2 | 1,2-Dichloroethane | ND | | ug/kg dry | 2.5 | 5.0 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 03:46 | RDS |
| 78-87-5 | 1,2-Dichloropropane | ND | | ug/kg dry | 2.5 | 5.0 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 03:46 | RDS |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | | ug/kg dry | 2.5 | 5.0 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 03:46 | RDS |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | ug/kg dry | 2.5 | 5.0 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 03:46 | RDS |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | ug/kg dry | 2.5 | 5.0 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 03:46 | RDS |
| 123-91-1 | 1,4-Dioxane | ND | | ug/kg dry | 50 | 100 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 06/25/2019 12:30 | 06/26/2019 03:46 | RDS |
| 78-93-3 | 2-Butanone | ND | | ug/kg dry | 2.5 | 5.0 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 03:46 | RDS |
| 591-78-6 | 2-Hexanone | ND | | ug/kg dry | 2.5 | 5.0 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 03:46 | RDS |
| 108-10-1 | 4-Methyl-2-pentanone | ND | | ug/kg dry | 2.5 | 5.0 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 03:46 | RDS |

## Sample Information

**Client Sample ID:** **SP-1 (2-4)** **York Sample ID:** **19F0828-02**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 13, 2019 12:00 am | 06/20/2019 |

**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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 67-64-1 | **Acetone** | **16** | CCV-E | ug/kg dry | 5.0 | 10 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 03:46 | RDS |
| 107-02-8 | Acrolein | ND | | ug/kg dry | 5.0 | 10 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 03:46 | RDS |
| 107-13-1 | Acrylonitrile | ND | | ug/kg dry | 2.5 | 5.0 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 03:46 | RDS |
| 71-43-2 | Benzene | ND | | ug/kg dry | 2.5 | 5.0 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 03:46 | RDS |
| 74-97-5 | Bromochloromethane | ND | | ug/kg dry | 2.5 | 5.0 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 06/25/2019 12:30 | 06/26/2019 03:46 | RDS |
| 75-27-4 | Bromodichloromethane | ND | | ug/kg dry | 2.5 | 5.0 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 03:46 | RDS |
| 75-25-2 | Bromoform | ND | | ug/kg dry | 2.5 | 5.0 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 03:46 | RDS |
| 74-83-9 | Bromomethane | ND | | ug/kg dry | 2.5 | 5.0 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 03:46 | RDS |
| 75-15-0 | Carbon disulfide | ND | | ug/kg dry | 2.5 | 5.0 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 03:46 | RDS |
| 56-23-5 | Carbon tetrachloride | ND | | ug/kg dry | 2.5 | 5.0 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 03:46 | RDS |
| 108-90-7 | Chlorobenzene | ND | | ug/kg dry | 2.5 | 5.0 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 03:46 | RDS |
| 75-00-3 | Chloroethane | ND | | ug/kg dry | 2.5 | 5.0 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 03:46 | RDS |
| 67-66-3 | Chloroform | ND | | ug/kg dry | 2.5 | 5.0 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 03:46 | RDS |
| 74-87-3 | Chloromethane | ND | | ug/kg dry | 2.5 | 5.0 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 03:46 | RDS |
| 156-59-2 | cis-1,2-Dichloroethylene | ND | | ug/kg dry | 2.5 | 5.0 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 03:46 | RDS |
| 10061-01-5 | cis-1,3-Dichloropropylene | ND | | ug/kg dry | 2.5 | 5.0 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 03:46 | RDS |
| 110-82-7 | Cyclohexane | ND | | ug/kg dry | 2.5 | 5.0 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 06/25/2019 12:30 | 06/26/2019 03:46 | RDS |
| 124-48-1 | Dibromochloromethane | ND | | ug/kg dry | 2.5 | 5.0 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 06/25/2019 12:30 | 06/26/2019 03:46 | RDS |
| 74-95-3 | Dibromomethane | ND | | ug/kg dry | 2.5 | 5.0 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 06/25/2019 12:30 | 06/26/2019 03:46 | RDS |
| 75-71-8 | Dichlorodifluoromethane | ND | | ug/kg dry | 2.5 | 5.0 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 06/25/2019 12:30 | 06/26/2019 03:46 | RDS |
| 100-41-4 | Ethyl Benzene | ND | | ug/kg dry | 2.5 | 5.0 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 03:46 | RDS |

## Sample Information

**Client Sample ID:** **SP-1 (2-4)** **York Sample ID:** **19F0828-02**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 13, 2019 12:00 am | 06/20/2019 |

**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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 87-68-3 | Hexachlorobutadiene | ND | | ug/kg dry | 2.5 | 5.0 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 06/25/2019 12:30 | 06/26/2019 03:46 | RDS |
| 98-82-8 | Isopropylbenzene | ND | | ug/kg dry | 2.5 | 5.0 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 03:46 | RDS |
| 79-20-9 | Methyl acetate | ND | | ug/kg dry | 2.5 | 5.0 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 06/25/2019 12:30 | 06/26/2019 03:46 | RDS |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | | ug/kg dry | 2.5 | 5.0 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 03:46 | RDS |
| 108-87-2 | Methylcyclohexane | ND | | ug/kg dry | 2.5 | 5.0 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 06/25/2019 12:30 | 06/26/2019 03:46 | RDS |
| 75-09-2 | Methylene chloride | ND | | ug/kg dry | 5.0 | 10 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 03:46 | RDS |
| 104-51-8 | n-Butylbenzene | ND | | ug/kg dry | 2.5 | 5.0 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 03:46 | RDS |
| 103-65-1 | n-Propylbenzene | ND | | ug/kg dry | 2.5 | 5.0 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 03:46 | RDS |
| 95-47-6 | o-Xylene | ND | | ug/kg dry | 2.5 | 5.0 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA | 06/25/2019 12:30 | 06/26/2019 03:46 | RDS |
| 179601-23-1 | p- & m- Xylenes | ND | | ug/kg dry | 5.0 | 10 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA | 06/25/2019 12:30 | 06/26/2019 03:46 | RDS |
| 99-87-6 | p-Isopropyltoluene | ND | | ug/kg dry | 2.5 | 5.0 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 03:46 | RDS |
| 135-98-8 | sec-Butylbenzene | ND | | ug/kg dry | 2.5 | 5.0 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 03:46 | RDS |
| 100-42-5 | Styrene | ND | | ug/kg dry | 2.5 | 5.0 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 03:46 | RDS |
| 75-65-0 | tert-Butyl alcohol (TBA) | ND | | ug/kg dry | 2.5 | 25 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 06/25/2019 12:30 | 06/26/2019 03:46 | RDS |
| 98-06-6 | tert-Butylbenzene | ND | | ug/kg dry | 2.5 | 5.0 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 03:46 | RDS |
| 127-18-4 | Tetrachloroethylene | ND | | ug/kg dry | 2.5 | 5.0 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 03:46 | RDS |
| 108-88-3 | Toluene | ND | | ug/kg dry | 2.5 | 5.0 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 03:46 | RDS |
| 156-60-5 | trans-1,2-Dichloroethylene | ND | | ug/kg dry | 2.5 | 5.0 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 03:46 | RDS |
| 10061-02-6 | trans-1,3-Dichloropropylene | ND | | ug/kg dry | 2.5 | 5.0 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 03:46 | RDS |
| 110-57-6 | * trans-1,4-dichloro-2-butene | ND | | ug/kg dry | 2.5 | 5.0 | 1 | EPA 8260C<br>Certifications: CTDOH | 06/25/2019 12:30 | 06/26/2019 03:46 | RDS |
| 79-01-6 | Trichloroethylene | ND | | ug/kg dry | 2.5 | 5.0 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 03:46 | RDS |

## Sample Information

**Client Sample ID:** **SP-1 (2-4)** **York Sample ID:** **19F0828-02**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 13, 2019 12:00 am | 06/20/2019 |

### 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 75-69-4 | Trichlorofluoromethane | ND | | ug/kg dry | 2.5 | 5.0 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 03:46 | RDS |
| 75-01-4 | Vinyl Chloride | ND | | ug/kg dry | 2.5 | 5.0 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 03:46 | RDS |
| 1330-20-7 | Xylenes, Total | ND | | ug/kg dry | 7.5 | 15 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 03:46 | RDS |

| | Surrogate Recoveries | Result | Acceptance Range |
|---|---|---|---|
| 17060-07-0 | *Surrogate: SURR: 1,2-Dichloroethane-d4* | *85.8 %* | *77-125* |
| 2037-26-5 | *Surrogate: SURR: Toluene-d8* | *95.3 %* | *85-120* |
| 460-00-4 | *Surrogate: SURR: p-Bromofluorobenzene* | *99.5 %* | *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 | 50.0 | 99.7 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:35 | SR |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg dry | 99.7 | 199 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:35 | SR |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | ug/kg dry | 50.0 | 99.7 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:35 | SR |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | ug/kg dry | 50.0 | 99.7 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP | 06/25/2019 14:22 | 06/26/2019 16:35 | SR |
| 122-66-7 | 1,2-Diphenylhydrazine (as Azobenzene) | ND | | ug/kg dry | 50.0 | 99.7 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:35 | SR |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | ug/kg dry | 50.0 | 99.7 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP | 06/25/2019 14:22 | 06/26/2019 16:35 | SR |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | ug/kg dry | 50.0 | 99.7 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP | 06/25/2019 14:22 | 06/26/2019 16:35 | SR |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | ND | | ug/kg dry | 99.7 | 199 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:35 | SR |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | | ug/kg dry | 50.0 | 99.7 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:35 | SR |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | | ug/kg dry | 50.0 | 99.7 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:35 | SR |
| 120-83-2 | 2,4-Dichlorophenol | ND | | ug/kg dry | 50.0 | 99.7 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:35 | SR |
| 105-67-9 | 2,4-Dimethylphenol | ND | | ug/kg dry | 50.0 | 99.7 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:35 | SR |
| 51-28-5 | 2,4-Dinitrophenol | ND | | ug/kg dry | 99.7 | 199 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:35 | SR |

## Sample Information

**Client Sample ID:** **SP-1 (2-4)** **York Sample ID:** **19F0828-02**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 13, 2019 12:00 am | 06/20/2019 |

**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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 121-14-2 | 2,4-Dinitrotoluene | ND | | ug/kg dry | 50.0 | 99.7 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:35 | SR |
| 606-20-2 | 2,6-Dinitrotoluene | ND | | ug/kg dry | 50.0 | 99.7 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:35 | SR |
| 91-58-7 | 2-Chloronaphthalene | ND | | ug/kg dry | 50.0 | 99.7 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:35 | SR |
| 95-57-8 | 2-Chlorophenol | ND | | ug/kg dry | 50.0 | 99.7 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:35 | SR |
| 91-57-6 | 2-Methylnaphthalene | ND | | ug/kg dry | 50.0 | 99.7 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:35 | SR |
| 95-48-7 | 2-Methylphenol | ND | | ug/kg dry | 50.0 | 99.7 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:35 | SR |
| 88-74-4 | 2-Nitroaniline | ND | | ug/kg dry | 99.7 | 199 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:35 | SR |
| 88-75-5 | 2-Nitrophenol | ND | | ug/kg dry | 50.0 | 99.7 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:35 | SR |
| 65794-96-9 | 3- & 4-Methylphenols | ND | | ug/kg dry | 50.0 | 99.7 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:35 | SR |
| 91-94-1 | 3,3-Dichlorobenzidine | ND | | ug/kg dry | 50.0 | 99.7 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:35 | SR |
| 99-09-2 | 3-Nitroaniline | ND | | ug/kg dry | 99.7 | 199 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:35 | SR |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | ND | | ug/kg dry | 99.7 | 199 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:35 | SR |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | | ug/kg dry | 50.0 | 99.7 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:35 | SR |
| 59-50-7 | 4-Chloro-3-methylphenol | ND | | ug/kg dry | 50.0 | 99.7 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:35 | SR |
| 106-47-8 | 4-Chloroaniline | ND | | ug/kg dry | 50.0 | 99.7 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:35 | SR |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | | ug/kg dry | 50.0 | 99.7 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:35 | SR |
| 100-01-6 | 4-Nitroaniline | ND | | ug/kg dry | 99.7 | 199 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:35 | SR |
| 100-02-7 | 4-Nitrophenol | ND | | ug/kg dry | 99.7 | 199 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:35 | SR |
| 83-32-9 | Acenaphthene | ND | | ug/kg dry | 50.0 | 99.7 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:35 | SR |
| 208-96-8 | Acenaphthylene | ND | | ug/kg dry | 50.0 | 99.7 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:35 | SR |
| 98-86-2 | Acetophenone | ND | | ug/kg dry | 50.0 | 99.7 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:35 | SR |

## Sample Information

**Client Sample ID:** **SP-1 (2-4)** **York Sample ID:** **19F0828-02**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 13, 2019 12:00 am | 06/20/2019 |

**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 | 200 | 399 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:35 | SR |
| 120-12-7 | Anthracene | ND | | ug/kg dry | 50.0 | 99.7 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:35 | SR |
| 1912-24-9 | Atrazine | ND | | ug/kg dry | 50.0 | 99.7 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:35 | SR |
| 100-52-7 | Benzaldehyde | ND | | ug/kg dry | 50.0 | 99.7 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:35 | SR |
| 92-87-5 | Benzidine | ND | | ug/kg dry | 200 | 399 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,PADEP | 06/25/2019 14:22 | 06/26/2019 16:35 | SR |
| 56-55-3 | Benzo(a)anthracene | ND | | ug/kg dry | 50.0 | 99.7 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:35 | SR |
| 50-32-8 | Benzo(a)pyrene | ND | | ug/kg dry | 50.0 | 99.7 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:35 | SR |
| 205-99-2 | Benzo(b)fluoranthene | ND | | ug/kg dry | 50.0 | 99.7 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:35 | SR |
| 191-24-2 | Benzo(g,h,i)perylene | ND | | ug/kg dry | 50.0 | 99.7 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:35 | SR |
| 207-08-9 | Benzo(k)fluoranthene | ND | | ug/kg dry | 50.0 | 99.7 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:35 | SR |
| 65-85-0 | Benzoic acid | ND | | ug/kg dry | 50.0 | 99.7 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:35 | SR |
| 100-51-6 | Benzyl alcohol | ND | | ug/kg dry | 50.0 | 99.7 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:35 | SR |
| 85-68-7 | Benzyl butyl phthalate | ND | | ug/kg dry | 50.0 | 99.7 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:35 | SR |
| 111-91-1 | Bis(2-chloroethoxy)methane | ND | | ug/kg dry | 50.0 | 99.7 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:35 | SR |
| 111-44-4 | Bis(2-chloroethyl)ether | ND | | ug/kg dry | 50.0 | 99.7 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:35 | SR |
| 108-60-1 | Bis(2-chloroisopropyl)ether | ND | | ug/kg dry | 50.0 | 99.7 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:35 | SR |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | ND | | ug/kg dry | 50.0 | 99.7 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:35 | SR |
| 105-60-2 | Caprolactam | ND | | ug/kg dry | 99.7 | 199 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:35 | SR |
| 86-74-8 | Carbazole | ND | | ug/kg dry | 50.0 | 99.7 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:35 | SR |
| 218-01-9 | Chrysene | ND | | ug/kg dry | 50.0 | 99.7 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:35 | SR |
| 53-70-3 | Dibenzo(a,h)anthracene | ND | | ug/kg dry | 50.0 | 99.7 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:35 | SR |

## Sample Information

**Client Sample ID:** **SP-1 (2-4)** **York Sample ID:** **19F0828-02**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 13, 2019 12:00 am | 06/20/2019 |

**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 | ND | | ug/kg dry | 50.0 | 99.7 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:35 | SR |
| 84-66-2 | Diethyl phthalate | ND | | ug/kg dry | 50.0 | 99.7 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:35 | SR |
| 131-11-3 | Dimethyl phthalate | ND | | ug/kg dry | 50.0 | 99.7 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:35 | SR |
| 84-74-2 | Di-n-butyl phthalate | ND | | ug/kg dry | 50.0 | 99.7 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:35 | SR |
| 117-84-0 | Di-n-octyl phthalate | ND | | ug/kg dry | 50.0 | 99.7 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:35 | SR |
| 206-44-0 | Fluoranthene | ND | | ug/kg dry | 50.0 | 99.7 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:35 | SR |
| 86-73-7 | Fluorene | ND | | ug/kg dry | 50.0 | 99.7 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:35 | SR |
| 118-74-1 | Hexachlorobenzene | ND | | ug/kg dry | 50.0 | 99.7 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:35 | SR |
| 87-68-3 | Hexachlorobutadiene | ND | | ug/kg dry | 50.0 | 99.7 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:35 | SR |
| 77-47-4 | Hexachlorocyclopentadiene | ND | | ug/kg dry | 50.0 | 99.7 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:35 | SR |
| 67-72-1 | Hexachloroethane | ND | | ug/kg dry | 50.0 | 99.7 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:35 | SR |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | ND | | ug/kg dry | 50.0 | 99.7 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:35 | SR |
| 78-59-1 | Isophorone | ND | | ug/kg dry | 50.0 | 99.7 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:35 | SR |
| 91-20-3 | Naphthalene | ND | | ug/kg dry | 50.0 | 99.7 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:35 | SR |
| 98-95-3 | Nitrobenzene | ND | | ug/kg dry | 50.0 | 99.7 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:35 | SR |
| 62-75-9 | N-Nitrosodimethylamine | ND | | ug/kg dry | 50.0 | 99.7 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:35 | SR |
| 621-64-7 | N-nitroso-di-n-propylamine | ND | | ug/kg dry | 50.0 | 99.7 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:35 | SR |
| 86-30-6 | N-Nitrosodiphenylamine | ND | | ug/kg dry | 50.0 | 99.7 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:35 | SR |
| 87-86-5 | Pentachlorophenol | ND | | ug/kg dry | 50.0 | 99.7 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:35 | SR |
| 85-01-8 | Phenanthrene | ND | | ug/kg dry | 50.0 | 99.7 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:35 | SR |
| 108-95-2 | Phenol | ND | | ug/kg dry | 50.0 | 99.7 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:35 | SR |

## Sample Information

**Client Sample ID:** **SP-1 (2-4)** **York Sample ID:** **19F0828-02**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 13, 2019 12:00 am | 06/20/2019 |

### 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 | ND | | ug/kg dry | 50.0 | 99.7 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 16:35 | SR |

| | Surrogate Recoveries | Result | Acceptance Range |
|---|---|---|---|
| 367-12-4 | *Surrogate: SURR: 2-Fluorophenol* | *57.6 %* | *20-108* |
| 4165-62-2 | *Surrogate: SURR: Phenol-d5* | *56.2 %* | *23-114* |
| 4165-60-0 | *Surrogate: SURR: Nitrobenzene-d5* | *58.2 %* | *22-108* |
| 321-60-8 | *Surrogate: SURR: 2-Fluorobiphenyl* | *64.2 %* | *21-113* |
| 118-79-6 | *Surrogate: SURR: 2,4,6-Tribromophenol* | *75.5 %* | *19-110* |
| 1718-51-0 | *Surrogate: SURR: Terphenyl-d14* | *71.1 %* | *24-116* |

### Pesticides, 8081 target list

**Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 72-54-8 | 4,4'-DDD | ND | | ug/kg dry | 1.97 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 17:48 | CM |
| 72-55-9 | 4,4'-DDE | ND | | ug/kg dry | 1.97 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 17:48 | CM |
| 50-29-3 | 4,4'-DDT | ND | | ug/kg dry | 1.97 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 17:48 | CM |
| 309-00-2 | Aldrin | ND | | ug/kg dry | 1.97 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 17:48 | CM |
| 319-84-6 | alpha-BHC | ND | | ug/kg dry | 1.97 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 17:48 | CM |
| 5103-71-9 | alpha-Chlordane | ND | | ug/kg dry | 1.97 | 5 | EPA 8081B<br>Certifications: NELAC-NY10854,NJDEP | 06/25/2019 07:59 | 06/26/2019 17:48 | CM |
| 319-85-7 | beta-BHC | ND | | ug/kg dry | 1.97 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 17:48 | CM |
| 57-74-9 | Chlordane, total | ND | | ug/kg dry | 39.5 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 17:48 | CM |
| 319-86-8 | delta-BHC | ND | | ug/kg dry | 1.97 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 17:48 | CM |
| 60-57-1 | Dieldrin | ND | | ug/kg dry | 1.97 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 17:48 | CM |
| 959-98-8 | Endosulfan I | ND | | ug/kg dry | 1.97 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 17:48 | CM |
| 33213-65-9 | Endosulfan II | ND | | ug/kg dry | 1.97 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854 | 06/25/2019 07:59 | 06/26/2019 17:48 | CM |
| 1031-07-8 | Endosulfan sulfate | ND | | ug/kg dry | 1.97 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 17:48 | CM |

## Sample Information

**Client Sample ID:** **SP-1 (2-4)** **York Sample ID:** **19F0828-02**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 13, 2019 12:00 am | 06/20/2019 |

### Pesticides, 8081 target list

**Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 72-20-8 | Endrin | ND | | ug/kg dry | 1.97 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 17:48 | CM |
| 7421-93-4 | Endrin aldehyde | ND | | ug/kg dry | 1.97 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 17:48 | CM |
| 53494-70-5 | Endrin ketone | ND | | ug/kg dry | 1.97 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 17:48 | CM |
| 58-89-9 | gamma-BHC (Lindane) | ND | | ug/kg dry | 1.97 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 17:48 | CM |
| 5566-34-7 | gamma-Chlordane | ND | | ug/kg dry | 1.97 | 5 | EPA 8081B<br>Certifications: NELAC-NY10854,NJDEP | 06/25/2019 07:59 | 06/26/2019 17:48 | CM |
| 76-44-8 | Heptachlor | ND | | ug/kg dry | 1.97 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 17:48 | CM |
| 1024-57-3 | Heptachlor epoxide | ND | | ug/kg dry | 1.97 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 17:48 | CM |
| 72-43-5 | Methoxychlor | ND | | ug/kg dry | 9.86 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 17:48 | CM |
| 8001-35-2 | Toxaphene | ND | | ug/kg dry | 99.8 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 17:48 | CM |

| | Surrogate Recoveries | Result | Acceptance Range |
|---|---|---|---|
| 2051-24-3 | *Surrogate: Decachlorobiphenyl* | *76.8 %* | *30-150* |
| 877-09-8 | *Surrogate: Tetrachloro-m-xylene* | *74.0 %* | *30-150* |

### Polychlorinated Biphenyls (PCB)

**Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 12674-11-2 | Aroclor 1016 | ND | | mg/kg dry | 0.0199 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 15:24 | SR |
| 11104-28-2 | Aroclor 1221 | ND | | mg/kg dry | 0.0199 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 15:24 | SR |
| 11141-16-5 | Aroclor 1232 | ND | | mg/kg dry | 0.0199 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 15:24 | SR |
| 53469-21-9 | Aroclor 1242 | ND | | mg/kg dry | 0.0199 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 15:24 | SR |
| 12672-29-6 | Aroclor 1248 | ND | | mg/kg dry | 0.0199 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 15:24 | SR |
| 11097-69-1 | Aroclor 1254 | ND | | mg/kg dry | 0.0199 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 15:24 | SR |
| 11096-82-5 | Aroclor 1260 | ND | | mg/kg dry | 0.0199 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 15:24 | SR |
| 1336-36-3 | * Total PCBs | ND | | mg/kg dry | 0.0199 | 1 | EPA 8082A<br>Certifications: | 06/25/2019 07:59 | 06/26/2019 15:24 | SR |

## Sample Information

**Client Sample ID:** **SP-1 (2-4)** **York Sample ID:** **19F0828-02**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 13, 2019 12:00 am | 06/20/2019 |

### 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 |
|---|---|---|---|---|---|---|---|---|---|---|

| | Surrogate Recoveries | Result | Acceptance Range |
|---|---|---|---|
| 877-09-8 | *Surrogate: Tetrachloro-m-xylene* | *83.5 %* | *30-140* |
| 2051-24-3 | *Surrogate: Decachlorobiphenyl* | *62.5 %* | *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** | **7430** | | mg/kg dry | 6.04 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:23 | KML |
| 7440-36-0 | Antimony | ND | | mg/kg dry | 3.02 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:23 | KML |
| 7440-38-2 | **Arsenic** | **4.85** | | mg/kg dry | 1.81 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:23 | KML |
| 7440-39-3 | **Barium** | **45.3** | | mg/kg dry | 3.02 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:23 | KML |
| 7440-41-7 | **Beryllium** | **0.293** | B | mg/kg dry | 0.060 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:23 | KML |
| 7440-43-9 | Cadmium | ND | | mg/kg dry | 0.362 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:23 | KML |
| 7440-70-2 | **Calcium** | **1140** | | mg/kg dry | 6.04 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:23 | KML |
| 7440-47-3 | **Chromium** | **11.3** | | mg/kg dry | 0.604 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:23 | KML |
| 7440-48-4 | **Cobalt** | **11.9** | | mg/kg dry | 0.483 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:23 | KML |
| 7440-50-8 | **Copper** | **18.8** | | mg/kg dry | 2.42 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:23 | KML |
| 7439-89-6 | **Iron** | **20000** | | mg/kg dry | 30.2 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:23 | KML |
| 7439-92-1 | **Lead** | **6.11** | | mg/kg dry | 0.604 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:23 | KML |
| 7439-95-4 | **Magnesium** | **2440** | | mg/kg dry | 6.04 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:23 | KML |
| 7439-96-5 | **Manganese** | **823** | | mg/kg dry | 0.604 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:23 | KML |
| 7440-02-0 | **Nickel** | **17.9** | | mg/kg dry | 1.21 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:23 | KML |
| 7440-09-7 | **Potassium** | **921** | | mg/kg dry | 6.04 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:23 | KML |
| 7782-49-2 | Selenium | ND | | mg/kg dry | 3.02 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:23 | KML |
| 7440-22-4 | Silver | ND | | mg/kg dry | 0.604 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:23 | KML |

## Sample Information

**Client Sample ID:** SP-1 (2-4) **York Sample ID:** 19F0828-02

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 13, 2019 12:00 am | 06/20/2019 |

### 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 |
|---|---|---|---|---|---|---|---|---|---|---|
| 7440-23-5 | **Sodium** | **106** | | mg/kg dry | 60.4 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:23 | KML |
| 7440-28-0 | Thallium | ND | | mg/kg dry | 3.02 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:23 | KML |
| 7440-62-2 | **Vanadium** | **18.0** | | mg/kg dry | 1.21 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:23 | KML |
| 7440-66-6 | **Zinc** | **49.0** | | mg/kg dry | 3.02 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:23 | 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 | ND | | mg/kg dry | 0.0362 | 1 | EPA 7473<br>Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP | 06/21/2019 11:52 | 06/21/2019 12:37 | 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** | **82.8** | | % | 0.100 | 1 | SM 2540G<br>Certifications: CTDOH | 06/24/2019 14:31 | 06/25/2019 15:41 | JTV |

## Sample Information

**Client Sample ID:** SP-2 (0-2) **York Sample ID:** 19F0828-03

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 14, 2019 12:00 am | 06/20/2019 |

### 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 | 2.8 | 5.6 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 04:13 | RDS |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | ug/kg dry | 2.8 | 5.6 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 04:13 | RDS |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | ug/kg dry | 2.8 | 5.6 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 04:13 | RDS |

## Sample Information

**Client Sample ID:** **SP-2 (0-2)** **York Sample ID:** **19F0828-03**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 14, 2019 12:00 am | 06/20/2019 |

**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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | | ug/kg dry | 2.8 | 5.6 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 04:13 | RDS |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | ug/kg dry | 2.8 | 5.6 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 04:13 | RDS |
| 75-34-3 | 1,1-Dichloroethane | ND | | ug/kg dry | 2.8 | 5.6 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 04:13 | RDS |
| 75-35-4 | 1,1-Dichloroethylene | ND | | ug/kg dry | 2.8 | 5.6 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 04:13 | RDS |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | | ug/kg dry | 2.8 | 5.6 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 06/25/2019 12:30 | 06/26/2019 04:13 | RDS |
| 96-18-4 | 1,2,3-Trichloropropane | ND | | ug/kg dry | 2.8 | 5.6 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP | 06/25/2019 12:30 | 06/26/2019 04:13 | RDS |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | ug/kg dry | 2.8 | 5.6 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 06/25/2019 12:30 | 06/26/2019 04:13 | RDS |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | | ug/kg dry | 2.8 | 5.6 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 04:13 | RDS |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | | ug/kg dry | 2.8 | 5.6 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 04:13 | RDS |
| 106-93-4 | 1,2-Dibromoethane | ND | | ug/kg dry | 2.8 | 5.6 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 04:13 | RDS |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | ug/kg dry | 2.8 | 5.6 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 04:13 | RDS |
| 107-06-2 | 1,2-Dichloroethane | ND | | ug/kg dry | 2.8 | 5.6 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 04:13 | RDS |
| 78-87-5 | 1,2-Dichloropropane | ND | | ug/kg dry | 2.8 | 5.6 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 04:13 | RDS |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | | ug/kg dry | 2.8 | 5.6 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 04:13 | RDS |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | ug/kg dry | 2.8 | 5.6 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 04:13 | RDS |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | ug/kg dry | 2.8 | 5.6 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 04:13 | RDS |
| 123-91-1 | 1,4-Dioxane | ND | | ug/kg dry | 56 | 110 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 06/25/2019 12:30 | 06/26/2019 04:13 | RDS |
| 78-93-3 | 2-Butanone | ND | | ug/kg dry | 2.8 | 5.6 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 04:13 | RDS |
| 591-78-6 | 2-Hexanone | ND | | ug/kg dry | 2.8 | 5.6 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 04:13 | RDS |
| 108-10-1 | 4-Methyl-2-pentanone | ND | | ug/kg dry | 2.8 | 5.6 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 04:13 | RDS |
| 67-64-1 | Acetone | ND | | ug/kg dry | 5.6 | 11 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 04:13 | RDS |

## Sample Information

**Client Sample ID:** **SP-2 (0-2)** **York Sample ID:** **19F0828-03**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 14, 2019 12:00 am | 06/20/2019 |

**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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 107-02-8 | Acrolein | ND | | ug/kg dry | 5.6 | 11 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 04:13 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 107-13-1 | Acrylonitrile | ND | | ug/kg dry | 2.8 | 5.6 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 04:13 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 71-43-2 | Benzene | ND | | ug/kg dry | 2.8 | 5.6 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 04:13 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 74-97-5 | Bromochloromethane | ND | | ug/kg dry | 2.8 | 5.6 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 04:13 | RDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | | |
| 75-27-4 | Bromodichloromethane | ND | | ug/kg dry | 2.8 | 5.6 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 04:13 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 75-25-2 | Bromoform | ND | | ug/kg dry | 2.8 | 5.6 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 04:13 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 74-83-9 | Bromomethane | ND | | ug/kg dry | 2.8 | 5.6 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 04:13 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 75-15-0 | Carbon disulfide | ND | | ug/kg dry | 2.8 | 5.6 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 04:13 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 56-23-5 | Carbon tetrachloride | ND | | ug/kg dry | 2.8 | 5.6 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 04:13 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 108-90-7 | Chlorobenzene | ND | | ug/kg dry | 2.8 | 5.6 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 04:13 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 75-00-3 | Chloroethane | ND | | ug/kg dry | 2.8 | 5.6 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 04:13 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 67-66-3 | Chloroform | ND | | ug/kg dry | 2.8 | 5.6 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 04:13 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 74-87-3 | Chloromethane | ND | | ug/kg dry | 2.8 | 5.6 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 04:13 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 156-59-2 | cis-1,2-Dichloroethylene | ND | | ug/kg dry | 2.8 | 5.6 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 04:13 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 10061-01-5 | cis-1,3-Dichloropropylene | ND | | ug/kg dry | 2.8 | 5.6 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 04:13 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 110-82-7 | Cyclohexane | ND | | ug/kg dry | 2.8 | 5.6 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 04:13 | RDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | | |
| 124-48-1 | Dibromochloromethane | ND | | ug/kg dry | 2.8 | 5.6 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 04:13 | RDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | | |
| 74-95-3 | Dibromomethane | ND | | ug/kg dry | 2.8 | 5.6 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 04:13 | RDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | | |
| 75-71-8 | Dichlorodifluoromethane | ND | | ug/kg dry | 2.8 | 5.6 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 04:13 | RDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | | |
| 100-41-4 | Ethyl Benzene | ND | | ug/kg dry | 2.8 | 5.6 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 04:13 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 87-68-3 | Hexachlorobutadiene | ND | | ug/kg dry | 2.8 | 5.6 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 04:13 | RDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | | |

## Sample Information

**Client Sample ID:** **SP-2 (0-2)** **York Sample ID:** **19F0828-03**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 14, 2019 12:00 am | 06/20/2019 |

**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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 98-82-8 | Isopropylbenzene | ND | | ug/kg dry | 2.8 | 5.6 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 04:13 | RDS |
| 79-20-9 | Methyl acetate | ND | | ug/kg dry | 2.8 | 5.6 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 06/25/2019 12:30 | 06/26/2019 04:13 | RDS |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | | ug/kg dry | 2.8 | 5.6 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 04:13 | RDS |
| 108-87-2 | Methylcyclohexane | ND | | ug/kg dry | 2.8 | 5.6 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 06/25/2019 12:30 | 06/26/2019 04:13 | RDS |
| 75-09-2 | Methylene chloride | ND | | ug/kg dry | 5.6 | 11 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 04:13 | RDS |
| 104-51-8 | n-Butylbenzene | ND | | ug/kg dry | 2.8 | 5.6 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 04:13 | RDS |
| 103-65-1 | n-Propylbenzene | ND | | ug/kg dry | 2.8 | 5.6 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 04:13 | RDS |
| 95-47-6 | o-Xylene | ND | | ug/kg dry | 2.8 | 5.6 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA | 06/25/2019 12:30 | 06/26/2019 04:13 | RDS |
| 179601-23-1 | p- & m- Xylenes | ND | | ug/kg dry | 5.6 | 11 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA | 06/25/2019 12:30 | 06/26/2019 04:13 | RDS |
| 99-87-6 | p-Isopropyltoluene | ND | | ug/kg dry | 2.8 | 5.6 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 04:13 | RDS |
| 135-98-8 | sec-Butylbenzene | ND | | ug/kg dry | 2.8 | 5.6 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 04:13 | RDS |
| 100-42-5 | Styrene | ND | | ug/kg dry | 2.8 | 5.6 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 04:13 | RDS |
| 75-65-0 | tert-Butyl alcohol (TBA) | ND | | ug/kg dry | 2.8 | 28 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 06/25/2019 12:30 | 06/26/2019 04:13 | RDS |
| 98-06-6 | tert-Butylbenzene | ND | | ug/kg dry | 2.8 | 5.6 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 04:13 | RDS |
| 127-18-4 | Tetrachloroethylene | ND | | ug/kg dry | 2.8 | 5.6 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 04:13 | RDS |
| 108-88-3 | Toluene | ND | | ug/kg dry | 2.8 | 5.6 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 04:13 | RDS |
| 156-60-5 | trans-1,2-Dichloroethylene | ND | | ug/kg dry | 2.8 | 5.6 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 04:13 | RDS |
| 10061-02-6 | trans-1,3-Dichloropropylene | ND | | ug/kg dry | 2.8 | 5.6 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 04:13 | RDS |
| 110-57-6 | * trans-1,4-dichloro-2-butene | ND | | ug/kg dry | 2.8 | 5.6 | 1 | EPA 8260C<br>Certifications: CTDOH | 06/25/2019 12:30 | 06/26/2019 04:13 | RDS |
| 79-01-6 | Trichloroethylene | ND | | ug/kg dry | 2.8 | 5.6 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 04:13 | RDS |
| 75-69-4 | Trichlorofluoromethane | ND | | ug/kg dry | 2.8 | 5.6 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 04:13 | RDS |

## Sample Information

**Client Sample ID:** **SP-2 (0-2)** **York Sample ID:** **19F0828-03**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 14, 2019 12:00 am | 06/20/2019 |

### 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 75-01-4 | Vinyl Chloride | ND | | ug/kg dry | 2.8 | 5.6 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 04:13 | RDS |
| 1330-20-7 | Xylenes, Total | ND | | ug/kg dry | 8.3 | 17 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 04:13 | RDS |

| | Surrogate Recoveries | Result | Acceptance Range |
|---|---|---|---|
| 17060-07-0 | *Surrogate: SURR: 1,2-Dichloroethane-d4* | *84.3 %* | *77-125* |
| 2037-26-5 | *Surrogate: SURR: Toluene-d8* | *95.0 %* | *85-120* |
| 460-00-4 | *Surrogate: SURR: p-Bromofluorobenzene* | *102 %* | *76-130* |

### Semi-Volatiles, 8270 - Comprehensive

**Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 92-52-4 | 1,1-Biphenyl | ND | | ug/kg dry | 51.3 | 102 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:05 | SR |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg dry | 102 | 204 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:05 | SR |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | ug/kg dry | 51.3 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:05 | SR |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | ug/kg dry | 51.3 | 102 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP | 06/25/2019 14:22 | 06/26/2019 17:05 | SR |
| 122-66-7 | 1,2-Diphenylhydrazine (as Azobenzene) | ND | | ug/kg dry | 51.3 | 102 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:05 | SR |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | ug/kg dry | 51.3 | 102 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP | 06/25/2019 14:22 | 06/26/2019 17:05 | SR |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | ug/kg dry | 51.3 | 102 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP | 06/25/2019 14:22 | 06/26/2019 17:05 | SR |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | ND | | ug/kg dry | 102 | 204 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:05 | SR |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | | ug/kg dry | 51.3 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:05 | SR |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | | ug/kg dry | 51.3 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:05 | SR |
| 120-83-2 | 2,4-Dichlorophenol | ND | | ug/kg dry | 51.3 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:05 | SR |
| 105-67-9 | 2,4-Dimethylphenol | ND | | ug/kg dry | 51.3 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:05 | SR |
| 51-28-5 | 2,4-Dinitrophenol | ND | | ug/kg dry | 102 | 204 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:05 | SR |
| 121-14-2 | 2,4-Dinitrotoluene | ND | | ug/kg dry | 51.3 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:05 | SR |

## Sample Information

**Client Sample ID:** **SP-2 (0-2)** **York Sample ID:** **19F0828-03**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 14, 2019 12:00 am | 06/20/2019 |

**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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 606-20-2 | 2,6-Dinitrotoluene | ND | | ug/kg dry | 51.3 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:05 | SR |
| 91-58-7 | 2-Chloronaphthalene | ND | | ug/kg dry | 51.3 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:05 | SR |
| 95-57-8 | 2-Chlorophenol | ND | | ug/kg dry | 51.3 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:05 | SR |
| 91-57-6 | 2-Methylnaphthalene | ND | | ug/kg dry | 51.3 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:05 | SR |
| 95-48-7 | 2-Methylphenol | ND | | ug/kg dry | 51.3 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:05 | SR |
| 88-74-4 | 2-Nitroaniline | ND | | ug/kg dry | 102 | 204 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:05 | SR |
| 88-75-5 | 2-Nitrophenol | ND | | ug/kg dry | 51.3 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:05 | SR |
| 65794-96-9 | 3- & 4-Methylphenols | ND | | ug/kg dry | 51.3 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:05 | SR |
| 91-94-1 | 3,3-Dichlorobenzidine | ND | | ug/kg dry | 51.3 | 102 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:05 | SR |
| 99-09-2 | 3-Nitroaniline | ND | | ug/kg dry | 102 | 204 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:05 | SR |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | ND | | ug/kg dry | 102 | 204 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:05 | SR |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | | ug/kg dry | 51.3 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:05 | SR |
| 59-50-7 | 4-Chloro-3-methylphenol | ND | | ug/kg dry | 51.3 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:05 | SR |
| 106-47-8 | 4-Chloroaniline | ND | | ug/kg dry | 51.3 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:05 | SR |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | | ug/kg dry | 51.3 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:05 | SR |
| 100-01-6 | 4-Nitroaniline | ND | | ug/kg dry | 102 | 204 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:05 | SR |
| 100-02-7 | 4-Nitrophenol | ND | | ug/kg dry | 102 | 204 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:05 | SR |
| 83-32-9 | Acenaphthene | ND | | ug/kg dry | 51.3 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:05 | SR |
| 208-96-8 | Acenaphthylene | ND | | ug/kg dry | 51.3 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:05 | SR |
| 98-86-2 | Acetophenone | ND | | ug/kg dry | 51.3 | 102 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:05 | SR |
| 62-53-3 | Aniline | ND | | ug/kg dry | 205 | 410 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:05 | SR |

## Sample Information

**Client Sample ID:** **SP-2 (0-2)** **York Sample ID:** **19F0828-03**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 14, 2019 12:00 am | 06/20/2019 |

**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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 120-12-7 | Anthracene | ND | | ug/kg dry | 51.3 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:05 | SR |
| 1912-24-9 | Atrazine | ND | | ug/kg dry | 51.3 | 102 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:05 | SR |
| 100-52-7 | Benzaldehyde | ND | | ug/kg dry | 51.3 | 102 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:05 | SR |
| 92-87-5 | Benzidine | ND | | ug/kg dry | 205 | 410 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,PADEP | 06/25/2019 14:22 | 06/26/2019 17:05 | SR |
| 56-55-3 | Benzo(a)anthracene | ND | | ug/kg dry | 51.3 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:05 | SR |
| 50-32-8 | Benzo(a)pyrene | ND | | ug/kg dry | 51.3 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:05 | SR |
| 205-99-2 | Benzo(b)fluoranthene | ND | | ug/kg dry | 51.3 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:05 | SR |
| 191-24-2 | Benzo(g,h,i)perylene | ND | | ug/kg dry | 51.3 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:05 | SR |
| 207-08-9 | Benzo(k)fluoranthene | ND | | ug/kg dry | 51.3 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:05 | SR |
| 65-85-0 | Benzoic acid | ND | | ug/kg dry | 51.3 | 102 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:05 | SR |
| 100-51-6 | Benzyl alcohol | ND | | ug/kg dry | 51.3 | 102 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:05 | SR |
| 85-68-7 | Benzyl butyl phthalate | ND | | ug/kg dry | 51.3 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:05 | SR |
| 111-91-1 | Bis(2-chloroethoxy)methane | ND | | ug/kg dry | 51.3 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:05 | SR |
| 111-44-4 | Bis(2-chloroethyl)ether | ND | | ug/kg dry | 51.3 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:05 | SR |
| 108-60-1 | Bis(2-chloroisopropyl)ether | ND | | ug/kg dry | 51.3 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:05 | SR |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | ND | | ug/kg dry | 51.3 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:05 | SR |
| 105-60-2 | Caprolactam | ND | | ug/kg dry | 102 | 204 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:05 | SR |
| 86-74-8 | Carbazole | ND | | ug/kg dry | 51.3 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:05 | SR |
| 218-01-9 | Chrysene | ND | | ug/kg dry | 51.3 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:05 | SR |
| 53-70-3 | Dibenzo(a,h)anthracene | ND | | ug/kg dry | 51.3 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:05 | SR |
| 132-64-9 | Dibenzofuran | ND | | ug/kg dry | 51.3 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:05 | SR |

## Sample Information

**Client Sample ID:** **SP-2 (0-2)** **York Sample ID:** **19F0828-03**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 14, 2019 12:00 am | 06/20/2019 |

**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 | 51.3 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:05 | SR |
| 131-11-3 | Dimethyl phthalate | ND | | ug/kg dry | 51.3 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:05 | SR |
| 84-74-2 | Di-n-butyl phthalate | ND | | ug/kg dry | 51.3 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:05 | SR |
| 117-84-0 | Di-n-octyl phthalate | ND | | ug/kg dry | 51.3 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:05 | SR |
| 206-44-0 | Fluoranthene | ND | | ug/kg dry | 51.3 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:05 | SR |
| 86-73-7 | Fluorene | ND | | ug/kg dry | 51.3 | 102 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:05 | SR |
| 118-74-1 | Hexachlorobenzene | ND | | ug/kg dry | 51.3 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:05 | SR |
| 87-68-3 | Hexachlorobutadiene | ND | | ug/kg dry | 51.3 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:05 | SR |
| 77-47-4 | Hexachlorocyclopentadiene | ND | | ug/kg dry | 51.3 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:05 | SR |
| 67-72-1 | Hexachloroethane | ND | | ug/kg dry | 51.3 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:05 | SR |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | ND | | ug/kg dry | 51.3 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:05 | SR |
| 78-59-1 | Isophorone | ND | | ug/kg dry | 51.3 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:05 | SR |
| 91-20-3 | Naphthalene | ND | | ug/kg dry | 51.3 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:05 | SR |
| 98-95-3 | Nitrobenzene | ND | | ug/kg dry | 51.3 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:05 | SR |
| 62-75-9 | N-Nitrosodimethylamine | ND | | ug/kg dry | 51.3 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:05 | SR |
| 621-64-7 | N-nitroso-di-n-propylamine | ND | | ug/kg dry | 51.3 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:05 | SR |
| 86-30-6 | N-Nitrosodiphenylamine | ND | | ug/kg dry | 51.3 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:05 | SR |
| 87-86-5 | Pentachlorophenol | ND | | ug/kg dry | 51.3 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:05 | SR |
| 85-01-8 | Phenanthrene | ND | | ug/kg dry | 51.3 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:05 | SR |
| 108-95-2 | Phenol | ND | | ug/kg dry | 51.3 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:05 | SR |
| 129-00-0 | Pyrene | ND | | ug/kg dry | 51.3 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:05 | SR |

| Surrogate Recoveries | Result | Acceptance Range |
|---|---|---|

## Sample Information

**Client Sample ID:** **SP-2 (0-2)** **York Sample ID:** **19F0828-03**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 14, 2019 12:00 am | 06/20/2019 |

### 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 367-12-4 | *Surrogate: SURR: 2-Fluorophenol* | *60.3 %* | | | *20-108* | | | | | | |
| 4165-62-2 | *Surrogate: SURR: Phenol-d5* | *61.6 %* | | | *23-114* | | | | | | |
| 4165-60-0 | *Surrogate: SURR: Nitrobenzene-d5* | *61.8 %* | | | *22-108* | | | | | | |
| 321-60-8 | *Surrogate: SURR: 2-Fluorobiphenyl* | *68.4 %* | | | *21-113* | | | | | | |
| 118-79-6 | *Surrogate: SURR: 2,4,6-Tribromophenol* | *79.4 %* | | | *19-110* | | | | | | |
| 1718-51-0 | *Surrogate: SURR: Terphenyl-d14* | *79.6 %* | | | *24-116* | | | | | | |

### Pesticides, 8081 target list

**Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 72-54-8 | 4,4'-DDD | ND | | ug/kg dry | 2.02 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 18:03 | CM |
| 72-55-9 | 4,4'-DDE | ND | | ug/kg dry | 2.02 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 18:03 | CM |
| 50-29-3 | 4,4'-DDT | ND | | ug/kg dry | 2.02 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 18:03 | CM |
| 309-00-2 | Aldrin | ND | | ug/kg dry | 2.02 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 18:03 | CM |
| 319-84-6 | alpha-BHC | ND | | ug/kg dry | 2.02 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 18:03 | CM |
| 5103-71-9 | alpha-Chlordane | ND | | ug/kg dry | 2.02 | 5 | EPA 8081B<br>Certifications: NELAC-NY10854,NJDEP | 06/25/2019 07:59 | 06/26/2019 18:03 | CM |
| 319-85-7 | beta-BHC | ND | | ug/kg dry | 2.02 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 18:03 | CM |
| 57-74-9 | Chlordane, total | ND | | ug/kg dry | 40.5 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 18:03 | CM |
| 319-86-8 | delta-BHC | ND | | ug/kg dry | 2.02 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 18:03 | CM |
| 60-57-1 | Dieldrin | ND | | ug/kg dry | 2.02 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 18:03 | CM |
| 959-98-8 | Endosulfan I | ND | | ug/kg dry | 2.02 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 18:03 | CM |
| 33213-65-9 | Endosulfan II | ND | | ug/kg dry | 2.02 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854 | 06/25/2019 07:59 | 06/26/2019 18:03 | CM |
| 1031-07-8 | Endosulfan sulfate | ND | | ug/kg dry | 2.02 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 18:03 | CM |
| 72-20-8 | Endrin | ND | | ug/kg dry | 2.02 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 18:03 | CM |
| 7421-93-4 | Endrin aldehyde | ND | | ug/kg dry | 2.02 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 18:03 | CM |

## Sample Information

**Client Sample ID:** **SP-2 (0-2)** **York Sample ID:** **19F0828-03**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 14, 2019 12:00 am | 06/20/2019 |

### Pesticides, 8081 target list

**Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 53494-70-5 | Endrin ketone | ND | | ug/kg dry | 2.02 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 18:03 | CM |
| 58-89-9 | gamma-BHC (Lindane) | ND | | ug/kg dry | 2.02 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 18:03 | CM |
| 5566-34-7 | gamma-Chlordane | ND | | ug/kg dry | 2.02 | 5 | EPA 8081B<br>Certifications: NELAC-NY10854,NJDEP | 06/25/2019 07:59 | 06/26/2019 18:03 | CM |
| 76-44-8 | Heptachlor | ND | | ug/kg dry | 2.02 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 18:03 | CM |
| 1024-57-3 | Heptachlor epoxide | ND | | ug/kg dry | 2.02 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 18:03 | CM |
| 72-43-5 | Methoxychlor | ND | | ug/kg dry | 10.1 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 18:03 | CM |
| 8001-35-2 | Toxaphene | ND | | ug/kg dry | 102 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 18:03 | CM |

| | Surrogate Recoveries | Result | Acceptance Range |
|---|---|---|---|
| 2051-24-3 | *Surrogate: Decachlorobiphenyl* | *77.5 %* | *30-150* |
| 877-09-8 | *Surrogate: Tetrachloro-m-xylene* | *77.4 %* | *30-150* |

### Polychlorinated Biphenyls (PCB)

**Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 12674-11-2 | Aroclor 1016 | ND | | mg/kg dry | 0.0204 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 15:39 | SR |
| 11104-28-2 | Aroclor 1221 | ND | | mg/kg dry | 0.0204 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 15:39 | SR |
| 11141-16-5 | Aroclor 1232 | ND | | mg/kg dry | 0.0204 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 15:39 | SR |
| 53469-21-9 | Aroclor 1242 | ND | | mg/kg dry | 0.0204 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 15:39 | SR |
| 12672-29-6 | Aroclor 1248 | ND | | mg/kg dry | 0.0204 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 15:39 | SR |
| 11097-69-1 | Aroclor 1254 | ND | | mg/kg dry | 0.0204 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 15:39 | SR |
| 11096-82-5 | Aroclor 1260 | ND | | mg/kg dry | 0.0204 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 15:39 | SR |
| 1336-36-3 | * Total PCBs | ND | | mg/kg dry | 0.0204 | 1 | EPA 8082A<br>Certifications: | 06/25/2019 07:59 | 06/26/2019 15:39 | SR |

| | Surrogate Recoveries | Result | Acceptance Range |
|---|---|---|---|
| 877-09-8 | *Surrogate: Tetrachloro-m-xylene* | *83.0 %* | *30-140* |
| 2051-24-3 | *Surrogate: Decachlorobiphenyl* | *62.0 %* | *30-140* |

## Sample Information

**Client Sample ID:** **SP-2 (0-2)** **York Sample ID:** **19F0828-03**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 14, 2019 12:00 am | 06/20/2019 |

**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** | **10700** | | mg/kg dry | 6.17 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:25 | KML |
| 7440-36-0 | Antimony | ND | | mg/kg dry | 3.09 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:25 | KML |
| 7440-38-2 | **Arsenic** | **2.79** | | mg/kg dry | 1.85 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:25 | KML |
| 7440-39-3 | **Barium** | **41.7** | | mg/kg dry | 3.09 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:25 | KML |
| 7440-41-7 | **Beryllium** | **0.291** | B | mg/kg dry | 0.062 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:25 | KML |
| 7440-43-9 | Cadmium | ND | | mg/kg dry | 0.370 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:25 | KML |
| 7440-70-2 | **Calcium** | **9080** | | mg/kg dry | 6.17 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:25 | KML |
| 7440-47-3 | **Chromium** | **17.6** | | mg/kg dry | 0.617 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:25 | KML |
| 7440-48-4 | **Cobalt** | **6.42** | | mg/kg dry | 0.494 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:25 | KML |
| 7440-50-8 | **Copper** | **15.4** | | mg/kg dry | 2.47 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:25 | KML |
| 7439-89-6 | **Iron** | **18700** | | mg/kg dry | 30.9 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:25 | KML |
| 7439-92-1 | **Lead** | **15.4** | | mg/kg dry | 0.617 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:25 | KML |
| 7439-95-4 | **Magnesium** | **3320** | | mg/kg dry | 6.17 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:25 | KML |
| 7439-96-5 | **Manganese** | **285** | | mg/kg dry | 0.617 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:25 | KML |
| 7440-02-0 | **Nickel** | **16.1** | | mg/kg dry | 1.23 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:25 | KML |
| 7440-09-7 | **Potassium** | **864** | | mg/kg dry | 6.17 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:25 | KML |
| 7782-49-2 | Selenium | ND | | mg/kg dry | 3.09 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:25 | KML |
| 7440-22-4 | Silver | ND | | mg/kg dry | 0.617 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:25 | KML |
| 7440-23-5 | **Sodium** | **136** | | mg/kg dry | 61.7 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:25 | KML |
| 7440-28-0 | Thallium | ND | | mg/kg dry | 3.09 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:25 | KML |
| 7440-62-2 | **Vanadium** | **18.3** | | mg/kg dry | 1.23 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:25 | KML |
| 7440-66-6 | **Zinc** | **45.1** | | mg/kg dry | 3.09 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:25 | KML |

## Sample Information

**Client Sample ID:** **SP-2 (0-2)** **York Sample ID:** **19F0828-03**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 14, 2019 12:00 am | 06/20/2019 |

### 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 | 0.0370 | 1 | EPA 7473 | 06/21/2019 11:52 | 06/21/2019 12:46 | SY |
| | | | | | | | Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP | | | |

### Total Solids

**Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: % Solids Prep

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| solids | *** % Solids** | **81.0** | | % | 0.100 | 1 | SM 2540G | 06/24/2019 14:31 | 06/25/2019 15:41 | JTV |
| | | | | | | | Certifications: CTDOH | | | |

## Sample Information

**Client Sample ID:** **SP-2 (2-4)** **York Sample ID:** **19F0828-04**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 14, 2019 12:00 am | 06/20/2019 |

### 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 | 4.2 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 04:40 | RDS |
| | | | | | | | | Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | | |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | ug/kg dry | 2.1 | 4.2 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 04:40 | RDS |
| | | | | | | | | Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | ug/kg dry | 2.1 | 4.2 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 04:40 | RDS |
| | | | | | | | | Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | | |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | | ug/kg dry | 2.1 | 4.2 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 04:40 | RDS |
| | | | | | | | | Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | ug/kg dry | 2.1 | 4.2 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 04:40 | RDS |
| | | | | | | | | Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | | |
| 75-34-3 | 1,1-Dichloroethane | ND | | ug/kg dry | 2.1 | 4.2 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 04:40 | RDS |
| | | | | | | | | Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | | |
| 75-35-4 | 1,1-Dichloroethylene | ND | | ug/kg dry | 2.1 | 4.2 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 04:40 | RDS |
| | | | | | | | | Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | | |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | | ug/kg dry | 2.1 | 4.2 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 04:40 | RDS |
| | | | | | | | | Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAE | | | |
| 96-18-4 | 1,2,3-Trichloropropane | ND | | ug/kg dry | 2.1 | 4.2 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 04:40 | RDS |
| | | | | | | | | Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP | | | |

## Sample Information

**Client Sample ID:** **SP-2 (2-4)** **York Sample ID:** **19F0828-04**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 14, 2019 12:00 am | 06/20/2019 |

**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 | 4.2 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 06/25/2019 12:30 | 06/26/2019 04:40 | RDS |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | | ug/kg dry | 2.1 | 4.2 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 04:40 | RDS |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | | ug/kg dry | 2.1 | 4.2 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 04:40 | RDS |
| 106-93-4 | 1,2-Dibromoethane | ND | | ug/kg dry | 2.1 | 4.2 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 04:40 | RDS |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | ug/kg dry | 2.1 | 4.2 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 04:40 | RDS |
| 107-06-2 | 1,2-Dichloroethane | ND | | ug/kg dry | 2.1 | 4.2 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 04:40 | RDS |
| 78-87-5 | 1,2-Dichloropropane | ND | | ug/kg dry | 2.1 | 4.2 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 04:40 | RDS |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | | ug/kg dry | 2.1 | 4.2 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 04:40 | RDS |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | ug/kg dry | 2.1 | 4.2 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 04:40 | RDS |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | ug/kg dry | 2.1 | 4.2 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 04:40 | RDS |
| 123-91-1 | 1,4-Dioxane | ND | | ug/kg dry | 42 | 83 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 06/25/2019 12:30 | 06/26/2019 04:40 | RDS |
| 78-93-3 | 2-Butanone | ND | | ug/kg dry | 2.1 | 4.2 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 04:40 | RDS |
| 591-78-6 | 2-Hexanone | ND | | ug/kg dry | 2.1 | 4.2 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 04:40 | RDS |
| 108-10-1 | 4-Methyl-2-pentanone | ND | | ug/kg dry | 2.1 | 4.2 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 04:40 | RDS |
| 67-64-1 | **Acetone** | **5.7** | CCV-E<br>, J | ug/kg dry | 4.2 | 8.3 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 04:40 | RDS |
| 107-02-8 | Acrolein | ND | | ug/kg dry | 4.2 | 8.3 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 04:40 | RDS |
| 107-13-1 | Acrylonitrile | ND | | ug/kg dry | 2.1 | 4.2 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 04:40 | RDS |
| 71-43-2 | Benzene | ND | | ug/kg dry | 2.1 | 4.2 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 04:40 | RDS |
| 74-97-5 | Bromochloromethane | ND | | ug/kg dry | 2.1 | 4.2 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 06/25/2019 12:30 | 06/26/2019 04:40 | RDS |
| 75-27-4 | Bromodichloromethane | ND | | ug/kg dry | 2.1 | 4.2 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 04:40 | RDS |
| 75-25-2 | Bromoform | ND | | ug/kg dry | 2.1 | 4.2 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 04:40 | RDS |

## Sample Information

**Client Sample ID:** **SP-2 (2-4)** **York Sample ID:** **19F0828-04**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 14, 2019 12:00 am | 06/20/2019 |

**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 | 4.2 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 04:40 | RDS |
| 75-15-0 | Carbon disulfide | ND | | ug/kg dry | 2.1 | 4.2 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 04:40 | RDS |
| 56-23-5 | Carbon tetrachloride | ND | | ug/kg dry | 2.1 | 4.2 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 04:40 | RDS |
| 108-90-7 | Chlorobenzene | ND | | ug/kg dry | 2.1 | 4.2 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 04:40 | RDS |
| 75-00-3 | Chloroethane | ND | | ug/kg dry | 2.1 | 4.2 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 04:40 | RDS |
| 67-66-3 | Chloroform | ND | | ug/kg dry | 2.1 | 4.2 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 04:40 | RDS |
| 74-87-3 | Chloromethane | ND | | ug/kg dry | 2.1 | 4.2 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 04:40 | RDS |
| 156-59-2 | cis-1,2-Dichloroethylene | ND | | ug/kg dry | 2.1 | 4.2 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 04:40 | RDS |
| 10061-01-5 | cis-1,3-Dichloropropylene | ND | | ug/kg dry | 2.1 | 4.2 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 04:40 | RDS |
| 110-82-7 | Cyclohexane | ND | | ug/kg dry | 2.1 | 4.2 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 06/25/2019 12:30 | 06/26/2019 04:40 | RDS |
| 124-48-1 | Dibromochloromethane | ND | | ug/kg dry | 2.1 | 4.2 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 06/25/2019 12:30 | 06/26/2019 04:40 | RDS |
| 74-95-3 | Dibromomethane | ND | | ug/kg dry | 2.1 | 4.2 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 06/25/2019 12:30 | 06/26/2019 04:40 | RDS |
| 75-71-8 | Dichlorodifluoromethane | ND | | ug/kg dry | 2.1 | 4.2 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 06/25/2019 12:30 | 06/26/2019 04:40 | RDS |
| 100-41-4 | Ethyl Benzene | ND | | ug/kg dry | 2.1 | 4.2 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 04:40 | RDS |
| 87-68-3 | Hexachlorobutadiene | ND | | ug/kg dry | 2.1 | 4.2 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 06/25/2019 12:30 | 06/26/2019 04:40 | RDS |
| 98-82-8 | Isopropylbenzene | ND | | ug/kg dry | 2.1 | 4.2 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 04:40 | RDS |
| 79-20-9 | Methyl acetate | ND | | ug/kg dry | 2.1 | 4.2 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 06/25/2019 12:30 | 06/26/2019 04:40 | RDS |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | | ug/kg dry | 2.1 | 4.2 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 04:40 | RDS |
| 108-87-2 | Methylcyclohexane | ND | | ug/kg dry | 2.1 | 4.2 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 06/25/2019 12:30 | 06/26/2019 04:40 | RDS |
| 75-09-2 | Methylene chloride | ND | | ug/kg dry | 4.2 | 8.3 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 04:40 | RDS |
| 104-51-8 | n-Butylbenzene | ND | | ug/kg dry | 2.1 | 4.2 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 04:40 | RDS |

## Sample Information

**Client Sample ID:** **SP-2 (2-4)** **York Sample ID:** **19F0828-04**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 14, 2019 12:00 am | 06/20/2019 |

**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 | 4.2 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 04:40 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 95-47-6 | o-Xylene | ND | | ug/kg dry | 2.1 | 4.2 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 04:40 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,PA | | |
| 179601-23-1 | p- & m- Xylenes | ND | | ug/kg dry | 4.2 | 8.3 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 04:40 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,PA | | |
| 99-87-6 | p-Isopropyltoluene | ND | | ug/kg dry | 2.1 | 4.2 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 04:40 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 135-98-8 | sec-Butylbenzene | ND | | ug/kg dry | 2.1 | 4.2 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 04:40 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 100-42-5 | Styrene | ND | | ug/kg dry | 2.1 | 4.2 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 04:40 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 75-65-0 | tert-Butyl alcohol (TBA) | ND | | ug/kg dry | 2.1 | 21 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 04:40 | RDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | | |
| 98-06-6 | tert-Butylbenzene | ND | | ug/kg dry | 2.1 | 4.2 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 04:40 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 127-18-4 | Tetrachloroethylene | ND | | ug/kg dry | 2.1 | 4.2 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 04:40 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 108-88-3 | Toluene | ND | | ug/kg dry | 2.1 | 4.2 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 04:40 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 156-60-5 | trans-1,2-Dichloroethylene | ND | | ug/kg dry | 2.1 | 4.2 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 04:40 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 10061-02-6 | trans-1,3-Dichloropropylene | ND | | ug/kg dry | 2.1 | 4.2 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 04:40 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 110-57-6 | * trans-1,4-dichloro-2-butene | ND | | ug/kg dry | 2.1 | 4.2 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 04:40 | RDS |
| | | | | | | | | Certifications: | CTDOH | | |
| 79-01-6 | Trichloroethylene | ND | | ug/kg dry | 2.1 | 4.2 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 04:40 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 75-69-4 | Trichlorofluoromethane | ND | | ug/kg dry | 2.1 | 4.2 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 04:40 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 75-01-4 | Vinyl Chloride | ND | | ug/kg dry | 2.1 | 4.2 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 04:40 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 1330-20-7 | Xylenes, Total | ND | | ug/kg dry | 6.2 | 12 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 04:40 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |

| | Surrogate Recoveries | Result | Acceptance Range |
|---|---|---|---|
| 17060-07-0 | *Surrogate: SURR: 1,2-Dichloroethane-d4* | *86.4 %* | *77-125* |
| 2037-26-5 | *Surrogate: SURR: Toluene-d8* | *93.9 %* | *85-120* |
| 460-00-4 | *Surrogate: SURR: p-Bromofluorobenzene* | *99.1 %* | *76-130* |

## Sample Information

**Client Sample ID:** **SP-2 (2-4)** **York Sample ID:** **19F0828-04**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 14, 2019 12:00 am | 06/20/2019 |

**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 | 51.7 | 103 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:35 | SR |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg dry | 103 | 206 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:35 | SR |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | ug/kg dry | 51.7 | 103 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:35 | SR |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | ug/kg dry | 51.7 | 103 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP | 06/25/2019 14:22 | 06/26/2019 17:35 | SR |
| 122-66-7 | 1,2-Diphenylhydrazine (as Azobenzene) | ND | | ug/kg dry | 51.7 | 103 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:35 | SR |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | ug/kg dry | 51.7 | 103 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP | 06/25/2019 14:22 | 06/26/2019 17:35 | SR |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | ug/kg dry | 51.7 | 103 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP | 06/25/2019 14:22 | 06/26/2019 17:35 | SR |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | ND | | ug/kg dry | 103 | 206 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:35 | SR |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | | ug/kg dry | 51.7 | 103 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:35 | SR |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | | ug/kg dry | 51.7 | 103 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:35 | SR |
| 120-83-2 | 2,4-Dichlorophenol | ND | | ug/kg dry | 51.7 | 103 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:35 | SR |
| 105-67-9 | 2,4-Dimethylphenol | ND | | ug/kg dry | 51.7 | 103 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:35 | SR |
| 51-28-5 | 2,4-Dinitrophenol | ND | | ug/kg dry | 103 | 206 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:35 | SR |
| 121-14-2 | 2,4-Dinitrotoluene | ND | | ug/kg dry | 51.7 | 103 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:35 | SR |
| 606-20-2 | 2,6-Dinitrotoluene | ND | | ug/kg dry | 51.7 | 103 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:35 | SR |
| 91-58-7 | 2-Chloronaphthalene | ND | | ug/kg dry | 51.7 | 103 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:35 | SR |
| 95-57-8 | 2-Chlorophenol | ND | | ug/kg dry | 51.7 | 103 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:35 | SR |
| 91-57-6 | 2-Methylnaphthalene | ND | | ug/kg dry | 51.7 | 103 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:35 | SR |
| 95-48-7 | 2-Methylphenol | ND | | ug/kg dry | 51.7 | 103 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:35 | SR |
| 88-74-4 | 2-Nitroaniline | ND | | ug/kg dry | 103 | 206 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:35 | SR |
| 88-75-5 | 2-Nitrophenol | ND | | ug/kg dry | 51.7 | 103 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:35 | SR |

## Sample Information

**Client Sample ID:** **SP-2 (2-4)** **York Sample ID:** **19F0828-04**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 14, 2019 12:00 am | 06/20/2019 |

**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 | 51.7 | 103 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:35 | SR |
| 91-94-1 | 3,3-Dichlorobenzidine | ND | | ug/kg dry | 51.7 | 103 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:35 | SR |
| 99-09-2 | 3-Nitroaniline | ND | | ug/kg dry | 103 | 206 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:35 | SR |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | ND | | ug/kg dry | 103 | 206 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:35 | SR |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | | ug/kg dry | 51.7 | 103 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:35 | SR |
| 59-50-7 | 4-Chloro-3-methylphenol | ND | | ug/kg dry | 51.7 | 103 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:35 | SR |
| 106-47-8 | 4-Chloroaniline | ND | | ug/kg dry | 51.7 | 103 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:35 | SR |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | | ug/kg dry | 51.7 | 103 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:35 | SR |
| 100-01-6 | 4-Nitroaniline | ND | | ug/kg dry | 103 | 206 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:35 | SR |
| 100-02-7 | 4-Nitrophenol | ND | | ug/kg dry | 103 | 206 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:35 | SR |
| 83-32-9 | Acenaphthene | ND | | ug/kg dry | 51.7 | 103 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:35 | SR |
| 208-96-8 | Acenaphthylene | ND | | ug/kg dry | 51.7 | 103 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:35 | SR |
| 98-86-2 | Acetophenone | ND | | ug/kg dry | 51.7 | 103 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:35 | SR |
| 62-53-3 | Aniline | ND | | ug/kg dry | 207 | 413 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:35 | SR |
| 120-12-7 | Anthracene | ND | | ug/kg dry | 51.7 | 103 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:35 | SR |
| 1912-24-9 | Atrazine | ND | | ug/kg dry | 51.7 | 103 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:35 | SR |
| 100-52-7 | Benzaldehyde | ND | | ug/kg dry | 51.7 | 103 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:35 | SR |
| 92-87-5 | Benzidine | ND | | ug/kg dry | 207 | 413 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,PADEP | 06/25/2019 14:22 | 06/26/2019 17:35 | SR |
| 56-55-3 | Benzo(a)anthracene | ND | | ug/kg dry | 51.7 | 103 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:35 | SR |
| 50-32-8 | Benzo(a)pyrene | ND | | ug/kg dry | 51.7 | 103 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:35 | SR |
| 205-99-2 | Benzo(b)fluoranthene | ND | | ug/kg dry | 51.7 | 103 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:35 | SR |

## Sample Information

**Client Sample ID:** **SP-2 (2-4)** **York Sample ID:** **19F0828-04**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 14, 2019 12:00 am | 06/20/2019 |

**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 | 51.7 | 103 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:35 | SR |
| 207-08-9 | Benzo(k)fluoranthene | ND | | ug/kg dry | 51.7 | 103 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:35 | SR |
| 65-85-0 | Benzoic acid | ND | | ug/kg dry | 51.7 | 103 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:35 | SR |
| 100-51-6 | Benzyl alcohol | ND | | ug/kg dry | 51.7 | 103 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:35 | SR |
| 85-68-7 | Benzyl butyl phthalate | ND | | ug/kg dry | 51.7 | 103 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:35 | SR |
| 111-91-1 | Bis(2-chloroethoxy)methane | ND | | ug/kg dry | 51.7 | 103 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:35 | SR |
| 111-44-4 | Bis(2-chloroethyl)ether | ND | | ug/kg dry | 51.7 | 103 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:35 | SR |
| 108-60-1 | Bis(2-chloroisopropyl)ether | ND | | ug/kg dry | 51.7 | 103 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:35 | SR |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | ND | | ug/kg dry | 51.7 | 103 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:35 | SR |
| 105-60-2 | Caprolactam | ND | | ug/kg dry | 103 | 206 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:35 | SR |
| 86-74-8 | Carbazole | ND | | ug/kg dry | 51.7 | 103 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:35 | SR |
| 218-01-9 | Chrysene | ND | | ug/kg dry | 51.7 | 103 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:35 | SR |
| 53-70-3 | Dibenzo(a,h)anthracene | ND | | ug/kg dry | 51.7 | 103 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:35 | SR |
| 132-64-9 | Dibenzofuran | ND | | ug/kg dry | 51.7 | 103 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:35 | SR |
| 84-66-2 | Diethyl phthalate | ND | | ug/kg dry | 51.7 | 103 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:35 | SR |
| 131-11-3 | Dimethyl phthalate | ND | | ug/kg dry | 51.7 | 103 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:35 | SR |
| 84-74-2 | Di-n-butyl phthalate | ND | | ug/kg dry | 51.7 | 103 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:35 | SR |
| 117-84-0 | Di-n-octyl phthalate | ND | | ug/kg dry | 51.7 | 103 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:35 | SR |
| 206-44-0 | Fluoranthene | ND | | ug/kg dry | 51.7 | 103 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:35 | SR |
| 86-73-7 | Fluorene | ND | | ug/kg dry | 51.7 | 103 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:35 | SR |
| 118-74-1 | Hexachlorobenzene | ND | | ug/kg dry | 51.7 | 103 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 17:35 | SR |

## Sample Information

**Client Sample ID:** **SP-2 (2-4)** **York Sample ID:** **19F0828-04**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 14, 2019 12:00 am | 06/20/2019 |

### 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 | 51.7 | 103 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/26/2019 17:35 | SR |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 77-47-4 | Hexachlorocyclopentadiene | ND | | ug/kg dry | 51.7 | 103 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/26/2019 17:35 | SR |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 67-72-1 | Hexachloroethane | ND | | ug/kg dry | 51.7 | 103 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/26/2019 17:35 | SR |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | ND | | ug/kg dry | 51.7 | 103 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/26/2019 17:35 | SR |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 78-59-1 | Isophorone | ND | | ug/kg dry | 51.7 | 103 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/26/2019 17:35 | SR |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 91-20-3 | Naphthalene | ND | | ug/kg dry | 51.7 | 103 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/26/2019 17:35 | SR |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 98-95-3 | Nitrobenzene | ND | | ug/kg dry | 51.7 | 103 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/26/2019 17:35 | SR |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 62-75-9 | N-Nitrosodimethylamine | ND | | ug/kg dry | 51.7 | 103 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/26/2019 17:35 | SR |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 621-64-7 | N-nitroso-di-n-propylamine | ND | | ug/kg dry | 51.7 | 103 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/26/2019 17:35 | SR |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 86-30-6 | N-Nitrosodiphenylamine | ND | | ug/kg dry | 51.7 | 103 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/26/2019 17:35 | SR |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 87-86-5 | Pentachlorophenol | ND | | ug/kg dry | 51.7 | 103 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/26/2019 17:35 | SR |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 85-01-8 | Phenanthrene | ND | | ug/kg dry | 51.7 | 103 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/26/2019 17:35 | SR |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 108-95-2 | Phenol | ND | | ug/kg dry | 51.7 | 103 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/26/2019 17:35 | SR |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 129-00-0 | Pyrene | ND | | ug/kg dry | 51.7 | 103 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/26/2019 17:35 | SR |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |

| | Surrogate Recoveries | Result | Acceptance Range |
|---|---|---|---|
| 367-12-4 | *Surrogate: SURR: 2-Fluorophenol* | *60.5 %* | *20-108* |
| 4165-62-2 | *Surrogate: SURR: Phenol-d5* | *57.9 %* | *23-114* |
| 4165-60-0 | *Surrogate: SURR: Nitrobenzene-d5* | *60.1 %* | *22-108* |
| 321-60-8 | *Surrogate: SURR: 2-Fluorobiphenyl* | *65.7 %* | *21-113* |
| 118-79-6 | *Surrogate: SURR: 2,4,6-Tribromophenol* | *84.6 %* | *19-110* |
| 1718-51-0 | *Surrogate: SURR: Terphenyl-d14* | *84.6 %* | *24-116* |

### Pesticides, 8081 target list

**Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

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

## Sample Information

**Client Sample ID:** **SP-2 (2-4)** **York Sample ID:** **19F0828-04**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 14, 2019 12:00 am | 06/20/2019 |

**Pesticides, 8081 target list** **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 72-54-8 | 4,4'-DDD | ND | | ug/kg dry | 2.03 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 18:18 | CM |
| 72-55-9 | 4,4'-DDE | ND | | ug/kg dry | 2.03 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 18:18 | CM |
| 50-29-3 | 4,4'-DDT | ND | | ug/kg dry | 2.03 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 18:18 | CM |
| 309-00-2 | Aldrin | ND | | ug/kg dry | 2.03 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 18:18 | CM |
| 319-84-6 | alpha-BHC | ND | | ug/kg dry | 2.03 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 18:18 | CM |
| 5103-71-9 | alpha-Chlordane | ND | | ug/kg dry | 2.03 | 5 | EPA 8081B<br>Certifications: NELAC-NY10854,NJDEP | 06/25/2019 07:59 | 06/26/2019 18:18 | CM |
| 319-85-7 | beta-BHC | ND | | ug/kg dry | 2.03 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 18:18 | CM |
| 57-74-9 | Chlordane, total | ND | | ug/kg dry | 40.6 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 18:18 | CM |
| 319-86-8 | delta-BHC | ND | | ug/kg dry | 2.03 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 18:18 | CM |
| 60-57-1 | Dieldrin | ND | | ug/kg dry | 2.03 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 18:18 | CM |
| 959-98-8 | Endosulfan I | ND | | ug/kg dry | 2.03 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 18:18 | CM |
| 33213-65-9 | Endosulfan II | ND | | ug/kg dry | 2.03 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854 | 06/25/2019 07:59 | 06/26/2019 18:18 | CM |
| 1031-07-8 | Endosulfan sulfate | ND | | ug/kg dry | 2.03 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 18:18 | CM |
| 72-20-8 | Endrin | ND | | ug/kg dry | 2.03 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 18:18 | CM |
| 7421-93-4 | Endrin aldehyde | ND | | ug/kg dry | 2.03 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 18:18 | CM |
| 53494-70-5 | Endrin ketone | ND | | ug/kg dry | 2.03 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 18:18 | CM |
| 58-89-9 | gamma-BHC (Lindane) | ND | | ug/kg dry | 2.03 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 18:18 | CM |
| 5566-34-7 | gamma-Chlordane | ND | | ug/kg dry | 2.03 | 5 | EPA 8081B<br>Certifications: NELAC-NY10854,NJDEP | 06/25/2019 07:59 | 06/26/2019 18:18 | CM |
| 76-44-8 | Heptachlor | ND | | ug/kg dry | 2.03 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 18:18 | CM |
| 1024-57-3 | Heptachlor epoxide | ND | | ug/kg dry | 2.03 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 18:18 | CM |
| 72-43-5 | Methoxychlor | ND | | ug/kg dry | 10.1 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 18:18 | CM |

## Sample Information

**Client Sample ID:** **SP-2 (2-4)** **York Sample ID:** **19F0828-04**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 14, 2019 12:00 am | 06/20/2019 |

### Pesticides, 8081 target list

**Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 8001-35-2 | Toxaphene | ND | | ug/kg dry | 103 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 18:18 | CM |

| | Surrogate Recoveries | Result | Acceptance Range |
|---|---|---|---|
| 2051-24-3 | *Surrogate: Decachlorobiphenyl* | *88.5 %* | *30-150* |
| 877-09-8 | *Surrogate: Tetrachloro-m-xylene* | *77.9 %* | *30-150* |

### Polychlorinated Biphenyls (PCB)

**Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 12674-11-2 | Aroclor 1016 | ND | | mg/kg dry | 0.0205 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 15:52 | SR |
| 11104-28-2 | Aroclor 1221 | ND | | mg/kg dry | 0.0205 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 15:52 | SR |
| 11141-16-5 | Aroclor 1232 | ND | | mg/kg dry | 0.0205 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 15:52 | SR |
| 53469-21-9 | Aroclor 1242 | ND | | mg/kg dry | 0.0205 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 15:52 | SR |
| 12672-29-6 | Aroclor 1248 | ND | | mg/kg dry | 0.0205 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 15:52 | SR |
| 11097-69-1 | Aroclor 1254 | ND | | mg/kg dry | 0.0205 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 15:52 | SR |
| 11096-82-5 | Aroclor 1260 | ND | | mg/kg dry | 0.0205 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 06/25/2019 07:59 | 06/26/2019 15:52 | SR |
| 1336-36-3 | * Total PCBs | ND | | mg/kg dry | 0.0205 | 1 | EPA 8082A<br>Certifications: | 06/25/2019 07:59 | 06/26/2019 15:52 | SR |

| | Surrogate Recoveries | Result | Acceptance Range |
|---|---|---|---|
| 877-09-8 | *Surrogate: Tetrachloro-m-xylene* | *85.5 %* | *30-140* |
| 2051-24-3 | *Surrogate: Decachlorobiphenyl* | *69.5 %* | *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** | **8620** | | mg/kg dry | 6.23 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:27 | KML |
| 7440-36-0 | Antimony | ND | | mg/kg dry | 3.11 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:27 | KML |
| 7440-38-2 | **Arsenic** | **2.23** | | mg/kg dry | 1.87 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:27 | KML |

## Sample Information

**Client Sample ID:** **SP-2 (2-4)** **York Sample ID:** **19F0828-04**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 14, 2019 12:00 am | 06/20/2019 |

### 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 |
|---|---|---|---|---|---|---|---|---|---|---|
| 7440-39-3 | **Barium** | **24.8** | | mg/kg dry | 3.11 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:27 | KML |
| 7440-41-7 | **Beryllium** | **0.400** | B | mg/kg dry | 0.062 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:27 | KML |
| 7440-43-9 | Cadmium | ND | | mg/kg dry | 0.374 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:27 | KML |
| 7440-70-2 | **Calcium** | **1050** | | mg/kg dry | 6.23 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:27 | KML |
| 7440-47-3 | **Chromium** | **14.1** | | mg/kg dry | 0.623 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:27 | KML |
| 7440-48-4 | **Cobalt** | **6.89** | | mg/kg dry | 0.498 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:27 | KML |
| 7440-50-8 | **Copper** | **29.7** | | mg/kg dry | 2.49 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:27 | KML |
| 7439-89-6 | **Iron** | **18000** | | mg/kg dry | 31.1 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:27 | KML |
| 7439-92-1 | **Lead** | **10.1** | | mg/kg dry | 0.623 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:27 | KML |
| 7439-95-4 | **Magnesium** | **3360** | | mg/kg dry | 6.23 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:27 | KML |
| 7439-96-5 | **Manganese** | **158** | | mg/kg dry | 0.623 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:27 | KML |
| 7440-02-0 | **Nickel** | **20.0** | | mg/kg dry | 1.25 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:27 | KML |
| 7440-09-7 | **Potassium** | **908** | | mg/kg dry | 6.23 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:27 | KML |
| 7782-49-2 | Selenium | ND | | mg/kg dry | 3.11 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:27 | KML |
| 7440-22-4 | Silver | ND | | mg/kg dry | 0.623 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:27 | KML |
| 7440-23-5 | **Sodium** | **126** | | mg/kg dry | 62.3 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:27 | KML |
| 7440-28-0 | Thallium | ND | | mg/kg dry | 3.11 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:27 | KML |
| 7440-62-2 | **Vanadium** | **17.3** | | mg/kg dry | 1.25 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:27 | KML |
| 7440-66-6 | **Zinc** | **63.4** | | mg/kg dry | 3.11 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:27 | 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 | 0.0374 | 1 | EPA 7473<br>Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP | 06/21/2019 11:52 | 06/21/2019 12:55 | SY |

## Sample Information

**Client Sample ID:** **SP-2 (2-4)** **York Sample ID:** **19F0828-04**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 14, 2019 12:00 am | 06/20/2019 |

**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** | **80.3** | | % | 0.100 | 1 | SM 2540G<br>Certifications: CTDOH | 06/24/2019 14:31 | 06/25/2019 15:41 | JTV |

## Sample Information

**Client Sample ID:** **SP-3 (0-2)** **York Sample ID:** **19F0828-05**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 14, 2019 12:00 am | 06/20/2019 |

**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 | 2.4 | 4.9 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:06 | RDS |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | ug/kg dry | 2.4 | 4.9 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:06 | RDS |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | ug/kg dry | 2.4 | 4.9 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:06 | RDS |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | | ug/kg dry | 2.4 | 4.9 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:06 | RDS |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | ug/kg dry | 2.4 | 4.9 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:06 | RDS |
| 75-34-3 | 1,1-Dichloroethane | ND | | ug/kg dry | 2.4 | 4.9 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:06 | RDS |
| 75-35-4 | 1,1-Dichloroethylene | ND | | ug/kg dry | 2.4 | 4.9 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:06 | RDS |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | | ug/kg dry | 2.4 | 4.9 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 06/25/2019 12:30 | 06/26/2019 05:06 | RDS |
| 96-18-4 | 1,2,3-Trichloropropane | ND | | ug/kg dry | 2.4 | 4.9 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP | 06/25/2019 12:30 | 06/26/2019 05:06 | RDS |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | ug/kg dry | 2.4 | 4.9 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 06/25/2019 12:30 | 06/26/2019 05:06 | RDS |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | | ug/kg dry | 2.4 | 4.9 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:06 | RDS |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | | ug/kg dry | 2.4 | 4.9 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:06 | RDS |
| 106-93-4 | 1,2-Dibromoethane | ND | | ug/kg dry | 2.4 | 4.9 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:06 | RDS |

## Sample Information

**Client Sample ID:** **SP-3 (0-2)** **York Sample ID:** **19F0828-05**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 14, 2019 12:00 am | 06/20/2019 |

**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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 95-50-1 | 1,2-Dichlorobenzene | ND | | ug/kg dry | 2.4 | 4.9 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 05:06 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 107-06-2 | 1,2-Dichloroethane | ND | | ug/kg dry | 2.4 | 4.9 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 05:06 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 78-87-5 | 1,2-Dichloropropane | ND | | ug/kg dry | 2.4 | 4.9 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 05:06 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | | ug/kg dry | 2.4 | 4.9 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 05:06 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | ug/kg dry | 2.4 | 4.9 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 05:06 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | ug/kg dry | 2.4 | 4.9 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 05:06 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 123-91-1 | 1,4-Dioxane | ND | | ug/kg dry | 49 | 97 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 05:06 | RDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | | |
| 78-93-3 | 2-Butanone | ND | | ug/kg dry | 2.4 | 4.9 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 05:06 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 591-78-6 | 2-Hexanone | ND | | ug/kg dry | 2.4 | 4.9 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 05:06 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 108-10-1 | 4-Methyl-2-pentanone | ND | | ug/kg dry | 2.4 | 4.9 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 05:06 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 67-64-1 | Acetone | ND | | ug/kg dry | 4.9 | 9.7 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 05:06 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 107-02-8 | Acrolein | ND | | ug/kg dry | 4.9 | 9.7 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 05:06 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 107-13-1 | Acrylonitrile | ND | | ug/kg dry | 2.4 | 4.9 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 05:06 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 71-43-2 | Benzene | ND | | ug/kg dry | 2.4 | 4.9 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 05:06 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 74-97-5 | Bromochloromethane | ND | | ug/kg dry | 2.4 | 4.9 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 05:06 | RDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | | |
| 75-27-4 | Bromodichloromethane | ND | | ug/kg dry | 2.4 | 4.9 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 05:06 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 75-25-2 | Bromoform | ND | | ug/kg dry | 2.4 | 4.9 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 05:06 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 74-83-9 | Bromomethane | ND | | ug/kg dry | 2.4 | 4.9 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 05:06 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 75-15-0 | Carbon disulfide | ND | | ug/kg dry | 2.4 | 4.9 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 05:06 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 56-23-5 | Carbon tetrachloride | ND | | ug/kg dry | 2.4 | 4.9 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 05:06 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 108-90-7 | Chlorobenzene | ND | | ug/kg dry | 2.4 | 4.9 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 05:06 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |

## Sample Information

**Client Sample ID:** **SP-3 (0-2)** **York Sample ID:** **19F0828-05**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 14, 2019 12:00 am | 06/20/2019 |

**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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 75-00-3 | Chloroethane | ND | | ug/kg dry | 2.4 | 4.9 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 05:06 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 67-66-3 | Chloroform | ND | | ug/kg dry | 2.4 | 4.9 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 05:06 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 74-87-3 | Chloromethane | ND | | ug/kg dry | 2.4 | 4.9 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 05:06 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 156-59-2 | cis-1,2-Dichloroethylene | ND | | ug/kg dry | 2.4 | 4.9 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 05:06 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 10061-01-5 | cis-1,3-Dichloropropylene | ND | | ug/kg dry | 2.4 | 4.9 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 05:06 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 110-82-7 | Cyclohexane | ND | | ug/kg dry | 2.4 | 4.9 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 05:06 | RDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | | |
| 124-48-1 | Dibromochloromethane | ND | | ug/kg dry | 2.4 | 4.9 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 05:06 | RDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | | |
| 74-95-3 | Dibromomethane | ND | | ug/kg dry | 2.4 | 4.9 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 05:06 | RDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | | |
| 75-71-8 | Dichlorodifluoromethane | ND | | ug/kg dry | 2.4 | 4.9 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 05:06 | RDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | | |
| 100-41-4 | Ethyl Benzene | ND | | ug/kg dry | 2.4 | 4.9 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 05:06 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 87-68-3 | Hexachlorobutadiene | ND | | ug/kg dry | 2.4 | 4.9 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 05:06 | RDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | | |
| 98-82-8 | Isopropylbenzene | ND | | ug/kg dry | 2.4 | 4.9 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 05:06 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 79-20-9 | Methyl acetate | ND | | ug/kg dry | 2.4 | 4.9 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 05:06 | RDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | | |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | | ug/kg dry | 2.4 | 4.9 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 05:06 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 108-87-2 | Methylcyclohexane | ND | | ug/kg dry | 2.4 | 4.9 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 05:06 | RDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | | |
| 75-09-2 | Methylene chloride | ND | | ug/kg dry | 4.9 | 9.7 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 05:06 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 104-51-8 | n-Butylbenzene | ND | | ug/kg dry | 2.4 | 4.9 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 05:06 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 103-65-1 | n-Propylbenzene | ND | | ug/kg dry | 2.4 | 4.9 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 05:06 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 95-47-6 | o-Xylene | ND | | ug/kg dry | 2.4 | 4.9 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 05:06 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,PA | | |
| 179601-23-1 | p- & m- Xylenes | ND | | ug/kg dry | 4.9 | 9.7 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 05:06 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,PA | | |
| 99-87-6 | p-Isopropyltoluene | ND | | ug/kg dry | 2.4 | 4.9 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 05:06 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |

## Sample Information

**Client Sample ID:** **SP-3 (0-2)** **York Sample ID:** **19F0828-05**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 14, 2019 12:00 am | 06/20/2019 |

### 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 135-98-8 | sec-Butylbenzene | ND | | ug/kg dry | 2.4 | 4.9 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:06 | RDS |
| 100-42-5 | Styrene | ND | | ug/kg dry | 2.4 | 4.9 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:06 | RDS |
| 75-65-0 | tert-Butyl alcohol (TBA) | ND | | ug/kg dry | 2.4 | 24 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 06/25/2019 12:30 | 06/26/2019 05:06 | RDS |
| 98-06-6 | tert-Butylbenzene | ND | | ug/kg dry | 2.4 | 4.9 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:06 | RDS |
| 127-18-4 | Tetrachloroethylene | ND | | ug/kg dry | 2.4 | 4.9 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:06 | RDS |
| 108-88-3 | Toluene | ND | | ug/kg dry | 2.4 | 4.9 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:06 | RDS |
| 156-60-5 | trans-1,2-Dichloroethylene | ND | | ug/kg dry | 2.4 | 4.9 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:06 | RDS |
| 10061-02-6 | trans-1,3-Dichloropropylene | ND | | ug/kg dry | 2.4 | 4.9 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:06 | RDS |
| 110-57-6 | * trans-1,4-dichloro-2-butene | ND | | ug/kg dry | 2.4 | 4.9 | 1 | EPA 8260C<br>Certifications: CTDOH | 06/25/2019 12:30 | 06/26/2019 05:06 | RDS |
| 79-01-6 | Trichloroethylene | ND | | ug/kg dry | 2.4 | 4.9 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:06 | RDS |
| 75-69-4 | Trichlorofluoromethane | ND | | ug/kg dry | 2.4 | 4.9 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:06 | RDS |
| 75-01-4 | Vinyl Chloride | ND | | ug/kg dry | 2.4 | 4.9 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:06 | RDS |
| 1330-20-7 | Xylenes, Total | ND | | ug/kg dry | 7.3 | 15 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:06 | RDS |

| | Surrogate Recoveries | Result | Acceptance Range |
|---|---|---|---|
| 17060-07-0 | *Surrogate: SURR: 1,2-Dichloroethane-d4* | *84.0 %* | *77-125* |
| 2037-26-5 | *Surrogate: SURR: Toluene-d8* | *95.5 %* | *85-120* |
| 460-00-4 | *Surrogate: SURR: p-Bromofluorobenzene* | *99.9 %* | *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 | 49.4 | 98.6 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:05 | SR |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg dry | 98.6 | 197 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:05 | SR |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | ug/kg dry | 49.4 | 98.6 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:05 | SR |

## Sample Information

**Client Sample ID:** **SP-3 (0-2)** **York Sample ID:** **19F0828-05**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 14, 2019 12:00 am | 06/20/2019 |

**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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 95-50-1 | 1,2-Dichlorobenzene | ND | | ug/kg dry | 49.4 | 98.6 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP | 06/25/2019 14:22 | 06/26/2019 18:05 | SR |
| 122-66-7 | 1,2-Diphenylhydrazine (as Azobenzene) | ND | | ug/kg dry | 49.4 | 98.6 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:05 | SR |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | ug/kg dry | 49.4 | 98.6 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP | 06/25/2019 14:22 | 06/26/2019 18:05 | SR |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | ug/kg dry | 49.4 | 98.6 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP | 06/25/2019 14:22 | 06/26/2019 18:05 | SR |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | ND | | ug/kg dry | 98.6 | 197 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:05 | SR |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | | ug/kg dry | 49.4 | 98.6 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:05 | SR |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | | ug/kg dry | 49.4 | 98.6 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:05 | SR |
| 120-83-2 | 2,4-Dichlorophenol | ND | | ug/kg dry | 49.4 | 98.6 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:05 | SR |
| 105-67-9 | 2,4-Dimethylphenol | ND | | ug/kg dry | 49.4 | 98.6 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:05 | SR |
| 51-28-5 | 2,4-Dinitrophenol | ND | | ug/kg dry | 98.6 | 197 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:05 | SR |
| 121-14-2 | 2,4-Dinitrotoluene | ND | | ug/kg dry | 49.4 | 98.6 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:05 | SR |
| 606-20-2 | 2,6-Dinitrotoluene | ND | | ug/kg dry | 49.4 | 98.6 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:05 | SR |
| 91-58-7 | 2-Chloronaphthalene | ND | | ug/kg dry | 49.4 | 98.6 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:05 | SR |
| 95-57-8 | 2-Chlorophenol | ND | | ug/kg dry | 49.4 | 98.6 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:05 | SR |
| 91-57-6 | 2-Methylnaphthalene | ND | | ug/kg dry | 49.4 | 98.6 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:05 | SR |
| 95-48-7 | 2-Methylphenol | ND | | ug/kg dry | 49.4 | 98.6 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:05 | SR |
| 88-74-4 | 2-Nitroaniline | ND | | ug/kg dry | 98.6 | 197 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:05 | SR |
| 88-75-5 | 2-Nitrophenol | ND | | ug/kg dry | 49.4 | 98.6 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:05 | SR |
| 65794-96-9 | 3- & 4-Methylphenols | ND | | ug/kg dry | 49.4 | 98.6 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:05 | SR |
| 91-94-1 | 3,3-Dichlorobenzidine | ND | | ug/kg dry | 49.4 | 98.6 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:05 | SR |
| 99-09-2 | 3-Nitroaniline | ND | | ug/kg dry | 98.6 | 197 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:05 | SR |

## Sample Information

**Client Sample ID:** **SP-3 (0-2)** **York Sample ID:** **19F0828-05**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 14, 2019 12:00 am | 06/20/2019 |

**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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 534-52-1 | 4,6-Dinitro-2-methylphenol | ND | | ug/kg dry | 98.6 | 197 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:05 | SR |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | | ug/kg dry | 49.4 | 98.6 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:05 | SR |
| 59-50-7 | 4-Chloro-3-methylphenol | ND | | ug/kg dry | 49.4 | 98.6 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:05 | SR |
| 106-47-8 | 4-Chloroaniline | ND | | ug/kg dry | 49.4 | 98.6 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:05 | SR |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | | ug/kg dry | 49.4 | 98.6 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:05 | SR |
| 100-01-6 | 4-Nitroaniline | ND | | ug/kg dry | 98.6 | 197 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:05 | SR |
| 100-02-7 | 4-Nitrophenol | ND | | ug/kg dry | 98.6 | 197 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:05 | SR |
| 83-32-9 | Acenaphthene | ND | | ug/kg dry | 49.4 | 98.6 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:05 | SR |
| 208-96-8 | Acenaphthylene | ND | | ug/kg dry | 49.4 | 98.6 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:05 | SR |
| 98-86-2 | Acetophenone | ND | | ug/kg dry | 49.4 | 98.6 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:05 | SR |
| 62-53-3 | Aniline | ND | | ug/kg dry | 197 | 395 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:05 | SR |
| 120-12-7 | Anthracene | ND | | ug/kg dry | 49.4 | 98.6 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:05 | SR |
| 1912-24-9 | Atrazine | ND | | ug/kg dry | 49.4 | 98.6 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:05 | SR |
| 100-52-7 | Benzaldehyde | ND | | ug/kg dry | 49.4 | 98.6 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:05 | SR |
| 92-87-5 | Benzidine | ND | | ug/kg dry | 197 | 395 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,PADEP | 06/25/2019 14:22 | 06/26/2019 18:05 | SR |
| 56-55-3 | Benzo(a)anthracene | ND | | ug/kg dry | 49.4 | 98.6 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:05 | SR |
| 50-32-8 | Benzo(a)pyrene | ND | | ug/kg dry | 49.4 | 98.6 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:05 | SR |
| 205-99-2 | Benzo(b)fluoranthene | ND | | ug/kg dry | 49.4 | 98.6 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:05 | SR |
| 191-24-2 | Benzo(g,h,i)perylene | ND | | ug/kg dry | 49.4 | 98.6 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:05 | SR |
| 207-08-9 | Benzo(k)fluoranthene | ND | | ug/kg dry | 49.4 | 98.6 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:05 | SR |
| 65-85-0 | Benzoic acid | ND | | ug/kg dry | 49.4 | 98.6 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:05 | SR |

## Sample Information

**Client Sample ID:** **SP-3 (0-2)** **York Sample ID:** **19F0828-05**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 14, 2019 12:00 am | 06/20/2019 |

**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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 100-51-6 | Benzyl alcohol | ND | | ug/kg dry | 49.4 | 98.6 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:05 | SR |
| 85-68-7 | Benzyl butyl phthalate | ND | | ug/kg dry | 49.4 | 98.6 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:05 | SR |
| 111-91-1 | Bis(2-chloroethoxy)methane | ND | | ug/kg dry | 49.4 | 98.6 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:05 | SR |
| 111-44-4 | Bis(2-chloroethyl)ether | ND | | ug/kg dry | 49.4 | 98.6 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:05 | SR |
| 108-60-1 | Bis(2-chloroisopropyl)ether | ND | | ug/kg dry | 49.4 | 98.6 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:05 | SR |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | ND | | ug/kg dry | 49.4 | 98.6 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:05 | SR |
| 105-60-2 | Caprolactam | ND | | ug/kg dry | 98.6 | 197 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:05 | SR |
| 86-74-8 | Carbazole | ND | | ug/kg dry | 49.4 | 98.6 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:05 | SR |
| 218-01-9 | Chrysene | ND | | ug/kg dry | 49.4 | 98.6 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:05 | SR |
| 53-70-3 | Dibenzo(a,h)anthracene | ND | | ug/kg dry | 49.4 | 98.6 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:05 | SR |
| 132-64-9 | Dibenzofuran | ND | | ug/kg dry | 49.4 | 98.6 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:05 | SR |
| 84-66-2 | Diethyl phthalate | ND | | ug/kg dry | 49.4 | 98.6 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:05 | SR |
| 131-11-3 | Dimethyl phthalate | ND | | ug/kg dry | 49.4 | 98.6 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:05 | SR |
| 84-74-2 | Di-n-butyl phthalate | ND | | ug/kg dry | 49.4 | 98.6 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:05 | SR |
| 117-84-0 | Di-n-octyl phthalate | ND | | ug/kg dry | 49.4 | 98.6 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:05 | SR |
| 206-44-0 | Fluoranthene | ND | | ug/kg dry | 49.4 | 98.6 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:05 | SR |
| 86-73-7 | Fluorene | ND | | ug/kg dry | 49.4 | 98.6 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:05 | SR |
| 118-74-1 | Hexachlorobenzene | ND | | ug/kg dry | 49.4 | 98.6 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:05 | SR |
| 87-68-3 | Hexachlorobutadiene | ND | | ug/kg dry | 49.4 | 98.6 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:05 | SR |
| 77-47-4 | Hexachlorocyclopentadiene | ND | | ug/kg dry | 49.4 | 98.6 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:05 | SR |
| 67-72-1 | Hexachloroethane | ND | | ug/kg dry | 49.4 | 98.6 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:05 | SR |

## Sample Information

**Client Sample ID:** **SP-3 (0-2)** **York Sample ID:** **19F0828-05**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 14, 2019 12:00 am | 06/20/2019 |

### 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 193-39-5 | Indeno(1,2,3-cd)pyrene | ND | | ug/kg dry | 49.4 | 98.6 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/26/2019 18:05 | SR |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 78-59-1 | Isophorone | ND | | ug/kg dry | 49.4 | 98.6 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/26/2019 18:05 | SR |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 91-20-3 | Naphthalene | ND | | ug/kg dry | 49.4 | 98.6 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/26/2019 18:05 | SR |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 98-95-3 | Nitrobenzene | ND | | ug/kg dry | 49.4 | 98.6 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/26/2019 18:05 | SR |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 62-75-9 | N-Nitrosodimethylamine | ND | | ug/kg dry | 49.4 | 98.6 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/26/2019 18:05 | SR |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 621-64-7 | N-nitroso-di-n-propylamine | ND | | ug/kg dry | 49.4 | 98.6 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/26/2019 18:05 | SR |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 86-30-6 | N-Nitrosodiphenylamine | ND | | ug/kg dry | 49.4 | 98.6 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/26/2019 18:05 | SR |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 87-86-5 | Pentachlorophenol | ND | | ug/kg dry | 49.4 | 98.6 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/26/2019 18:05 | SR |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 85-01-8 | Phenanthrene | ND | | ug/kg dry | 49.4 | 98.6 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/26/2019 18:05 | SR |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 108-95-2 | Phenol | ND | | ug/kg dry | 49.4 | 98.6 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/26/2019 18:05 | SR |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 129-00-0 | Pyrene | ND | | ug/kg dry | 49.4 | 98.6 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/26/2019 18:05 | SR |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |

| | Surrogate Recoveries | Result | Acceptance Range |
|---|---|---|---|
| 367-12-4 | *Surrogate: SURR: 2-Fluorophenol* | *59.2 %* | *20-108* |
| 4165-62-2 | *Surrogate: SURR: Phenol-d5* | *58.0 %* | *23-114* |
| 4165-60-0 | *Surrogate: SURR: Nitrobenzene-d5* | *57.0 %* | *22-108* |
| 321-60-8 | *Surrogate: SURR: 2-Fluorobiphenyl* | *62.4 %* | *21-113* |
| 118-79-6 | *Surrogate: SURR: 2,4,6-Tribromophenol* | *79.3 %* | *19-110* |
| 1718-51-0 | *Surrogate: SURR: Terphenyl-d14* | *76.3 %* | *24-116* |

### Pesticides, 8081 target list

**Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 72-54-8 | 4,4'-DDD | ND | | ug/kg dry | 1.96 | 5 | EPA 8081B | 06/25/2019 14:19 | 06/26/2019 18:33 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 72-55-9 | 4,4'-DDE | ND | | ug/kg dry | 1.96 | 5 | EPA 8081B | 06/25/2019 14:19 | 06/26/2019 18:33 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 50-29-3 | 4,4'-DDT | ND | | ug/kg dry | 1.96 | 5 | EPA 8081B | 06/25/2019 14:19 | 06/26/2019 18:33 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |

## Sample Information

**Client Sample ID:** **SP-3 (0-2)** **York Sample ID:** **19F0828-05**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 14, 2019 12:00 am | 06/20/2019 |

**Pesticides, 8081 target list** **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 309-00-2 | Aldrin | ND | | ug/kg dry | 1.96 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 18:33 | CM |
| 319-84-6 | alpha-BHC | ND | | ug/kg dry | 1.96 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 18:33 | CM |
| 5103-71-9 | alpha-Chlordane | ND | | ug/kg dry | 1.96 | 5 | EPA 8081B<br>Certifications: NELAC-NY10854,NJDEP | 06/25/2019 14:19 | 06/26/2019 18:33 | CM |
| 319-85-7 | beta-BHC | ND | | ug/kg dry | 1.96 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 18:33 | CM |
| 57-74-9 | Chlordane, total | ND | | ug/kg dry | 39.1 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 18:33 | CM |
| 319-86-8 | delta-BHC | ND | | ug/kg dry | 1.96 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 18:33 | CM |
| 60-57-1 | Dieldrin | ND | | ug/kg dry | 1.96 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 18:33 | CM |
| 959-98-8 | Endosulfan I | ND | | ug/kg dry | 1.96 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 18:33 | CM |
| 33213-65-9 | Endosulfan II | ND | | ug/kg dry | 1.96 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854 | 06/25/2019 14:19 | 06/26/2019 18:33 | CM |
| 1031-07-8 | Endosulfan sulfate | ND | | ug/kg dry | 1.96 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 18:33 | CM |
| 72-20-8 | Endrin | ND | | ug/kg dry | 1.96 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 18:33 | CM |
| 7421-93-4 | Endrin aldehyde | ND | | ug/kg dry | 1.96 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 18:33 | CM |
| 53494-70-5 | Endrin ketone | ND | | ug/kg dry | 1.96 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 18:33 | CM |
| 58-89-9 | gamma-BHC (Lindane) | ND | | ug/kg dry | 1.96 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 18:33 | CM |
| 5566-34-7 | gamma-Chlordane | ND | | ug/kg dry | 1.96 | 5 | EPA 8081B<br>Certifications: NELAC-NY10854,NJDEP | 06/25/2019 14:19 | 06/26/2019 18:33 | CM |
| 76-44-8 | Heptachlor | ND | | ug/kg dry | 1.96 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 18:33 | CM |
| 1024-57-3 | Heptachlor epoxide | ND | | ug/kg dry | 1.96 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 18:33 | CM |
| 72-43-5 | Methoxychlor | ND | | ug/kg dry | 9.79 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 18:33 | CM |
| 8001-35-2 | Toxaphene | ND | | ug/kg dry | 99.0 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 18:33 | CM |

| | Surrogate Recoveries | Result | Acceptance Range |
|---|---|---|---|
| 2051-24-3 | *Surrogate: Decachlorobiphenyl* | *108 %* | *30-150* |
| 877-09-8 | *Surrogate: Tetrachloro-m-xylene* | *88.0 %* | *30-150* |

## Sample Information

**Client Sample ID:** **SP-3 (0-2)** **York Sample ID:** **19F0828-05**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 14, 2019 12:00 am | 06/20/2019 |

### 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<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 13:48 | SR |
| 11104-28-2 | Aroclor 1221 | ND | | mg/kg dry | 0.0198 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 13:48 | SR |
| 11141-16-5 | Aroclor 1232 | ND | | mg/kg dry | 0.0198 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 13:48 | SR |
| 53469-21-9 | Aroclor 1242 | ND | | mg/kg dry | 0.0198 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 13:48 | SR |
| 12672-29-6 | Aroclor 1248 | ND | | mg/kg dry | 0.0198 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 13:48 | SR |
| 11097-69-1 | Aroclor 1254 | ND | | mg/kg dry | 0.0198 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 13:48 | SR |
| 11096-82-5 | Aroclor 1260 | ND | | mg/kg dry | 0.0198 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 13:48 | SR |
| 1336-36-3 | * Total PCBs | ND | | mg/kg dry | 0.0198 | 1 | EPA 8082A<br>Certifications: | 06/25/2019 14:19 | 06/26/2019 13:48 | SR |

| | Surrogate Recoveries | Result | Acceptance Range |
|---|---|---|---|
| 877-09-8 | *Surrogate: Tetrachloro-m-xylene* | *96.5 %* | *30-140* |
| 2051-24-3 | *Surrogate: Decachlorobiphenyl* | *93.0 %* | *30-140* |

### Metals, Target Analyte

**Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3050B

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 7429-90-5 | **Aluminum** | **11000** | | mg/kg dry | 5.97 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:29 | KML |
| 7440-36-0 | Antimony | ND | | mg/kg dry | 2.98 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:29 | KML |
| 7440-38-2 | **Arsenic** | **4.88** | | mg/kg dry | 1.79 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:29 | KML |
| 7440-39-3 | **Barium** | **53.3** | | mg/kg dry | 2.98 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:29 | KML |
| 7440-41-7 | **Beryllium** | **0.428** | B | mg/kg dry | 0.060 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:29 | KML |
| 7440-43-9 | **Cadmium** | **0.367** | | mg/kg dry | 0.358 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:29 | KML |
| 7440-70-2 | **Calcium** | **1570** | | mg/kg dry | 5.97 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:29 | KML |
| 7440-47-3 | **Chromium** | **19.7** | | mg/kg dry | 0.597 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:29 | KML |
| 7440-48-4 | **Cobalt** | **8.74** | | mg/kg dry | 0.478 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:29 | KML |

## Sample Information

**Client Sample ID:** **SP-3 (0-2)** **York Sample ID:** **19F0828-05**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 14, 2019 12:00 am | 06/20/2019 |

### 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** | **20.6** | | mg/kg dry | 2.39 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:29 | KML |
| 7439-89-6 | **Iron** | **24500** | | mg/kg dry | 29.8 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:29 | KML |
| 7439-92-1 | **Lead** | **23.1** | | mg/kg dry | 0.597 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:29 | KML |
| 7439-95-4 | **Magnesium** | **3080** | | mg/kg dry | 5.97 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:29 | KML |
| 7439-96-5 | **Manganese** | **957** | | mg/kg dry | 0.597 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:29 | KML |
| 7440-02-0 | **Nickel** | **21.3** | | mg/kg dry | 1.19 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:29 | KML |
| 7440-09-7 | **Potassium** | **873** | | mg/kg dry | 5.97 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:29 | KML |
| 7782-49-2 | Selenium | ND | | mg/kg dry | 2.98 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:29 | KML |
| 7440-22-4 | Silver | ND | | mg/kg dry | 0.597 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:29 | KML |
| 7440-23-5 | **Sodium** | **108** | | mg/kg dry | 59.7 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:29 | KML |
| 7440-28-0 | Thallium | ND | | mg/kg dry | 2.98 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:29 | KML |
| 7440-62-2 | **Vanadium** | **23.4** | | mg/kg dry | 1.19 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:29 | KML |
| 7440-66-6 | **Zinc** | **55.8** | | mg/kg dry | 2.98 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:29 | 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 | 0.0358 | 1 | EPA 7473<br>Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP | 06/21/2019 11:52 | 06/21/2019 13:04 | 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<br>Certifications: CTDOH | 06/24/2019 14:31 | 06/25/2019 15:41 | JTV |

## Sample Information

**Client Sample ID:** **SP-3 (2-4)** **York Sample ID:** **19F0828-06**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 14, 2019 12:00 am | 06/20/2019 |

**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 | 2.2 | 4.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:33 | RDS |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | ug/kg dry | 2.2 | 4.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:33 | RDS |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | ug/kg dry | 2.2 | 4.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:33 | RDS |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | | ug/kg dry | 2.2 | 4.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:33 | RDS |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | ug/kg dry | 2.2 | 4.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:33 | RDS |
| 75-34-3 | 1,1-Dichloroethane | ND | | ug/kg dry | 2.2 | 4.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:33 | RDS |
| 75-35-4 | 1,1-Dichloroethylene | ND | | ug/kg dry | 2.2 | 4.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:33 | RDS |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | | ug/kg dry | 2.2 | 4.5 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 06/25/2019 12:30 | 06/26/2019 05:33 | RDS |
| 96-18-4 | 1,2,3-Trichloropropane | ND | | ug/kg dry | 2.2 | 4.5 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP | 06/25/2019 12:30 | 06/26/2019 05:33 | RDS |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | ug/kg dry | 2.2 | 4.5 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 06/25/2019 12:30 | 06/26/2019 05:33 | RDS |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | | ug/kg dry | 2.2 | 4.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:33 | RDS |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | | ug/kg dry | 2.2 | 4.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:33 | RDS |
| 106-93-4 | 1,2-Dibromoethane | ND | | ug/kg dry | 2.2 | 4.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:33 | RDS |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | ug/kg dry | 2.2 | 4.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:33 | RDS |
| 107-06-2 | 1,2-Dichloroethane | ND | | ug/kg dry | 2.2 | 4.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:33 | RDS |
| 78-87-5 | 1,2-Dichloropropane | ND | | ug/kg dry | 2.2 | 4.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:33 | RDS |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | | ug/kg dry | 2.2 | 4.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:33 | RDS |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | ug/kg dry | 2.2 | 4.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:33 | RDS |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | ug/kg dry | 2.2 | 4.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:33 | RDS |
| 123-91-1 | 1,4-Dioxane | ND | | ug/kg dry | 45 | 89 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 06/25/2019 12:30 | 06/26/2019 05:33 | RDS |
| 78-93-3 | 2-Butanone | ND | | ug/kg dry | 2.2 | 4.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:33 | RDS |

## Sample Information

**Client Sample ID:** **SP-3 (2-4)** **York Sample ID:** **19F0828-06**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 14, 2019 12:00 am | 06/20/2019 |

**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 | 2.2 | 4.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:33 | RDS |
| 108-10-1 | 4-Methyl-2-pentanone | ND | | ug/kg dry | 2.2 | 4.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:33 | RDS |
| 67-64-1 | **Acetone** | **33** | CCV-E | ug/kg dry | 4.5 | 8.9 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:33 | RDS |
| 107-02-8 | Acrolein | ND | | ug/kg dry | 4.5 | 8.9 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:33 | RDS |
| 107-13-1 | Acrylonitrile | ND | | ug/kg dry | 2.2 | 4.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:33 | RDS |
| 71-43-2 | Benzene | ND | | ug/kg dry | 2.2 | 4.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:33 | RDS |
| 74-97-5 | Bromochloromethane | ND | | ug/kg dry | 2.2 | 4.5 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 06/25/2019 12:30 | 06/26/2019 05:33 | RDS |
| 75-27-4 | Bromodichloromethane | ND | | ug/kg dry | 2.2 | 4.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:33 | RDS |
| 75-25-2 | Bromoform | ND | | ug/kg dry | 2.2 | 4.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:33 | RDS |
| 74-83-9 | Bromomethane | ND | | ug/kg dry | 2.2 | 4.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:33 | RDS |
| 75-15-0 | Carbon disulfide | ND | | ug/kg dry | 2.2 | 4.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:33 | RDS |
| 56-23-5 | Carbon tetrachloride | ND | | ug/kg dry | 2.2 | 4.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:33 | RDS |
| 108-90-7 | Chlorobenzene | ND | | ug/kg dry | 2.2 | 4.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:33 | RDS |
| 75-00-3 | Chloroethane | ND | | ug/kg dry | 2.2 | 4.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:33 | RDS |
| 67-66-3 | Chloroform | ND | | ug/kg dry | 2.2 | 4.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:33 | RDS |
| 74-87-3 | Chloromethane | ND | | ug/kg dry | 2.2 | 4.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:33 | RDS |
| 156-59-2 | cis-1,2-Dichloroethylene | ND | | ug/kg dry | 2.2 | 4.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:33 | RDS |
| 10061-01-5 | cis-1,3-Dichloropropylene | ND | | ug/kg dry | 2.2 | 4.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:33 | RDS |
| 110-82-7 | Cyclohexane | ND | | ug/kg dry | 2.2 | 4.5 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 06/25/2019 12:30 | 06/26/2019 05:33 | RDS |
| 124-48-1 | Dibromochloromethane | ND | | ug/kg dry | 2.2 | 4.5 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 06/25/2019 12:30 | 06/26/2019 05:33 | RDS |
| 74-95-3 | Dibromomethane | ND | | ug/kg dry | 2.2 | 4.5 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 06/25/2019 12:30 | 06/26/2019 05:33 | RDS |

## Sample Information

**Client Sample ID:** **SP-3 (2-4)** **York Sample ID:** **19F0828-06**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 14, 2019 12:00 am | 06/20/2019 |

**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 | 2.2 | 4.5 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 06/25/2019 12:30 | 06/26/2019 05:33 | RDS |
| 100-41-4 | Ethyl Benzene | ND | | ug/kg dry | 2.2 | 4.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:33 | RDS |
| 87-68-3 | Hexachlorobutadiene | ND | | ug/kg dry | 2.2 | 4.5 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 06/25/2019 12:30 | 06/26/2019 05:33 | RDS |
| 98-82-8 | Isopropylbenzene | ND | | ug/kg dry | 2.2 | 4.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:33 | RDS |
| 79-20-9 | Methyl acetate | ND | | ug/kg dry | 2.2 | 4.5 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 06/25/2019 12:30 | 06/26/2019 05:33 | RDS |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | | ug/kg dry | 2.2 | 4.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:33 | RDS |
| 108-87-2 | Methylcyclohexane | ND | | ug/kg dry | 2.2 | 4.5 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 06/25/2019 12:30 | 06/26/2019 05:33 | RDS |
| 75-09-2 | Methylene chloride | ND | | ug/kg dry | 4.5 | 8.9 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:33 | RDS |
| 104-51-8 | n-Butylbenzene | ND | | ug/kg dry | 2.2 | 4.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:33 | RDS |
| 103-65-1 | n-Propylbenzene | ND | | ug/kg dry | 2.2 | 4.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:33 | RDS |
| 95-47-6 | o-Xylene | ND | | ug/kg dry | 2.2 | 4.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA | 06/25/2019 12:30 | 06/26/2019 05:33 | RDS |
| 179601-23-1 | p- & m- Xylenes | ND | | ug/kg dry | 4.5 | 8.9 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA | 06/25/2019 12:30 | 06/26/2019 05:33 | RDS |
| 99-87-6 | p-Isopropyltoluene | ND | | ug/kg dry | 2.2 | 4.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:33 | RDS |
| 135-98-8 | sec-Butylbenzene | ND | | ug/kg dry | 2.2 | 4.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:33 | RDS |
| 100-42-5 | Styrene | ND | | ug/kg dry | 2.2 | 4.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:33 | RDS |
| 75-65-0 | tert-Butyl alcohol (TBA) | ND | | ug/kg dry | 2.2 | 22 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 06/25/2019 12:30 | 06/26/2019 05:33 | RDS |
| 98-06-6 | tert-Butylbenzene | ND | | ug/kg dry | 2.2 | 4.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:33 | RDS |
| 127-18-4 | **Tetrachloroethylene** | **16** | | ug/kg dry | 2.2 | 4.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:33 | RDS |
| 108-88-3 | Toluene | ND | | ug/kg dry | 2.2 | 4.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:33 | RDS |
| 156-60-5 | trans-1,2-Dichloroethylene | ND | | ug/kg dry | 2.2 | 4.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:33 | RDS |
| 10061-02-6 | trans-1,3-Dichloropropylene | ND | | ug/kg dry | 2.2 | 4.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:33 | RDS |

## Sample Information

**Client Sample ID:** SP-3 (2-4) **York Sample ID:** 19F0828-06

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 14, 2019 12:00 am | 06/20/2019 |

### 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 | 2.2 | 4.5 | 1 | EPA 8260C<br>Certifications: CTDOH | 06/25/2019 12:30 | 06/26/2019 05:33 | RDS |
| 79-01-6 | Trichloroethylene | ND | | ug/kg dry | 2.2 | 4.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:33 | RDS |
| 75-69-4 | Trichlorofluoromethane | ND | | ug/kg dry | 2.2 | 4.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:33 | RDS |
| 75-01-4 | Vinyl Chloride | ND | | ug/kg dry | 2.2 | 4.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:33 | RDS |
| 1330-20-7 | Xylenes, Total | ND | | ug/kg dry | 6.7 | 13 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:33 | RDS |

| | Surrogate Recoveries | Result | Acceptance Range |
|---|---|---|---|
| 17060-07-0 | *Surrogate: SURR: 1,2-Dichloroethane-d4* | *82.6 %* | *77-125* |
| 2037-26-5 | *Surrogate: SURR: Toluene-d8* | *94.8 %* | *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 | 50.7 | 101 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:36 | SR |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg dry | 101 | 202 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:36 | SR |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | ug/kg dry | 50.7 | 101 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:36 | SR |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | ug/kg dry | 50.7 | 101 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP | 06/25/2019 14:22 | 06/26/2019 18:36 | SR |
| 122-66-7 | 1,2-Diphenylhydrazine (as Azobenzene) | ND | | ug/kg dry | 50.7 | 101 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:36 | SR |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | ug/kg dry | 50.7 | 101 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP | 06/25/2019 14:22 | 06/26/2019 18:36 | SR |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | ug/kg dry | 50.7 | 101 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP | 06/25/2019 14:22 | 06/26/2019 18:36 | SR |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | ND | | ug/kg dry | 101 | 202 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:36 | SR |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | | ug/kg dry | 50.7 | 101 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:36 | SR |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | | ug/kg dry | 50.7 | 101 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:36 | SR |
| 120-83-2 | 2,4-Dichlorophenol | ND | | ug/kg dry | 50.7 | 101 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:36 | SR |

## Sample Information

**Client Sample ID:** **SP-3 (2-4)** **York Sample ID:** **19F0828-06**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 14, 2019 12:00 am | 06/20/2019 |

**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 | 50.7 | 101 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:36 | SR |
| 51-28-5 | 2,4-Dinitrophenol | ND | | ug/kg dry | 101 | 202 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:36 | SR |
| 121-14-2 | 2,4-Dinitrotoluene | ND | | ug/kg dry | 50.7 | 101 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:36 | SR |
| 606-20-2 | 2,6-Dinitrotoluene | ND | | ug/kg dry | 50.7 | 101 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:36 | SR |
| 91-58-7 | 2-Chloronaphthalene | ND | | ug/kg dry | 50.7 | 101 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:36 | SR |
| 95-57-8 | 2-Chlorophenol | ND | | ug/kg dry | 50.7 | 101 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:36 | SR |
| 91-57-6 | 2-Methylnaphthalene | ND | | ug/kg dry | 50.7 | 101 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:36 | SR |
| 95-48-7 | 2-Methylphenol | ND | | ug/kg dry | 50.7 | 101 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:36 | SR |
| 88-74-4 | 2-Nitroaniline | ND | | ug/kg dry | 101 | 202 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:36 | SR |
| 88-75-5 | 2-Nitrophenol | ND | | ug/kg dry | 50.7 | 101 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:36 | SR |
| 65794-96-9 | 3- & 4-Methylphenols | ND | | ug/kg dry | 50.7 | 101 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:36 | SR |
| 91-94-1 | 3,3-Dichlorobenzidine | ND | | ug/kg dry | 50.7 | 101 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:36 | SR |
| 99-09-2 | 3-Nitroaniline | ND | | ug/kg dry | 101 | 202 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:36 | SR |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | ND | | ug/kg dry | 101 | 202 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:36 | SR |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | | ug/kg dry | 50.7 | 101 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:36 | SR |
| 59-50-7 | 4-Chloro-3-methylphenol | ND | | ug/kg dry | 50.7 | 101 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:36 | SR |
| 106-47-8 | 4-Chloroaniline | ND | | ug/kg dry | 50.7 | 101 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:36 | SR |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | | ug/kg dry | 50.7 | 101 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:36 | SR |
| 100-01-6 | 4-Nitroaniline | ND | | ug/kg dry | 101 | 202 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:36 | SR |
| 100-02-7 | 4-Nitrophenol | ND | | ug/kg dry | 101 | 202 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:36 | SR |
| 83-32-9 | Acenaphthene | ND | | ug/kg dry | 50.7 | 101 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:36 | SR |

## Sample Information

**Client Sample ID:** **SP-3 (2-4)** **York Sample ID:** **19F0828-06**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 14, 2019 12:00 am | 06/20/2019 |

**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 | 50.7 | 101 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:36 | SR |
| 98-86-2 | Acetophenone | ND | | ug/kg dry | 50.7 | 101 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:36 | SR |
| 62-53-3 | Aniline | ND | | ug/kg dry | 202 | 405 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:36 | SR |
| 120-12-7 | Anthracene | ND | | ug/kg dry | 50.7 | 101 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:36 | SR |
| 1912-24-9 | Atrazine | ND | | ug/kg dry | 50.7 | 101 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:36 | SR |
| 100-52-7 | Benzaldehyde | ND | | ug/kg dry | 50.7 | 101 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:36 | SR |
| 92-87-5 | Benzidine | ND | | ug/kg dry | 202 | 405 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,PADEP | 06/25/2019 14:22 | 06/26/2019 18:36 | SR |
| 56-55-3 | Benzo(a)anthracene | ND | | ug/kg dry | 50.7 | 101 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:36 | SR |
| 50-32-8 | Benzo(a)pyrene | ND | | ug/kg dry | 50.7 | 101 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:36 | SR |
| 205-99-2 | Benzo(b)fluoranthene | ND | | ug/kg dry | 50.7 | 101 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:36 | SR |
| 191-24-2 | Benzo(g,h,i)perylene | ND | | ug/kg dry | 50.7 | 101 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:36 | SR |
| 207-08-9 | Benzo(k)fluoranthene | ND | | ug/kg dry | 50.7 | 101 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:36 | SR |
| 65-85-0 | Benzoic acid | ND | | ug/kg dry | 50.7 | 101 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:36 | SR |
| 100-51-6 | Benzyl alcohol | ND | | ug/kg dry | 50.7 | 101 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:36 | SR |
| 85-68-7 | Benzyl butyl phthalate | ND | | ug/kg dry | 50.7 | 101 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:36 | SR |
| 111-91-1 | Bis(2-chloroethoxy)methane | ND | | ug/kg dry | 50.7 | 101 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:36 | SR |
| 111-44-4 | Bis(2-chloroethyl)ether | ND | | ug/kg dry | 50.7 | 101 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:36 | SR |
| 108-60-1 | Bis(2-chloroisopropyl)ether | ND | | ug/kg dry | 50.7 | 101 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:36 | SR |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | ND | | ug/kg dry | 50.7 | 101 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:36 | SR |
| 105-60-2 | Caprolactam | ND | | ug/kg dry | 101 | 202 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:36 | SR |
| 86-74-8 | Carbazole | ND | | ug/kg dry | 50.7 | 101 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:36 | SR |

## Sample Information

**Client Sample ID:** **SP-3 (2-4)** **York Sample ID:** **19F0828-06**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 14, 2019 12:00 am | 06/20/2019 |

**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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 218-01-9 | Chrysene | ND | | ug/kg dry | 50.7 | 101 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:36 | SR |
| 53-70-3 | Dibenzo(a,h)anthracene | ND | | ug/kg dry | 50.7 | 101 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:36 | SR |
| 132-64-9 | Dibenzofuran | ND | | ug/kg dry | 50.7 | 101 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:36 | SR |
| 84-66-2 | Diethyl phthalate | ND | | ug/kg dry | 50.7 | 101 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:36 | SR |
| 131-11-3 | Dimethyl phthalate | ND | | ug/kg dry | 50.7 | 101 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:36 | SR |
| 84-74-2 | Di-n-butyl phthalate | ND | | ug/kg dry | 50.7 | 101 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:36 | SR |
| 117-84-0 | Di-n-octyl phthalate | ND | | ug/kg dry | 50.7 | 101 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:36 | SR |
| 206-44-0 | Fluoranthene | ND | | ug/kg dry | 50.7 | 101 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:36 | SR |
| 86-73-7 | Fluorene | ND | | ug/kg dry | 50.7 | 101 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:36 | SR |
| 118-74-1 | Hexachlorobenzene | ND | | ug/kg dry | 50.7 | 101 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:36 | SR |
| 87-68-3 | Hexachlorobutadiene | ND | | ug/kg dry | 50.7 | 101 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:36 | SR |
| 77-47-4 | Hexachlorocyclopentadiene | ND | | ug/kg dry | 50.7 | 101 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:36 | SR |
| 67-72-1 | Hexachloroethane | ND | | ug/kg dry | 50.7 | 101 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:36 | SR |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | ND | | ug/kg dry | 50.7 | 101 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:36 | SR |
| 78-59-1 | Isophorone | ND | | ug/kg dry | 50.7 | 101 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:36 | SR |
| 91-20-3 | Naphthalene | ND | | ug/kg dry | 50.7 | 101 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:36 | SR |
| 98-95-3 | Nitrobenzene | ND | | ug/kg dry | 50.7 | 101 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:36 | SR |
| 62-75-9 | N-Nitrosodimethylamine | ND | | ug/kg dry | 50.7 | 101 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:36 | SR |
| 621-64-7 | N-nitroso-di-n-propylamine | ND | | ug/kg dry | 50.7 | 101 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:36 | SR |
| 86-30-6 | N-Nitrosodiphenylamine | ND | | ug/kg dry | 50.7 | 101 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:36 | SR |
| 87-86-5 | Pentachlorophenol | ND | | ug/kg dry | 50.7 | 101 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:36 | SR |

## Sample Information

**Client Sample ID:** **SP-3 (2-4)** **York Sample ID:** **19F0828-06**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 14, 2019 12:00 am | 06/20/2019 |

### 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 85-01-8 | Phenanthrene | ND | | ug/kg dry | 50.7 | 101 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:36 | SR |
| 108-95-2 | Phenol | ND | | ug/kg dry | 50.7 | 101 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:36 | SR |
| 129-00-0 | Pyrene | ND | | ug/kg dry | 50.7 | 101 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 18:36 | SR |

| | Surrogate Recoveries | Result | Acceptance Range |
|---|---|---|---|
| 367-12-4 | *Surrogate: SURR: 2-Fluorophenol* | *56.7 %* | *20-108* |
| 4165-62-2 | *Surrogate: SURR: Phenol-d5* | *55.9 %* | *23-114* |
| 4165-60-0 | *Surrogate: SURR: Nitrobenzene-d5* | *51.1 %* | *22-108* |
| 321-60-8 | *Surrogate: SURR: 2-Fluorobiphenyl* | *55.7 %* | *21-113* |
| 118-79-6 | *Surrogate: SURR: 2,4,6-Tribromophenol* | *71.3 %* | *19-110* |
| 1718-51-0 | *Surrogate: SURR: Terphenyl-d14* | *64.2 %* | *24-116* |

### Pesticides, 8081 target list

**Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 72-54-8 | 4,4'-DDD | ND | | ug/kg dry | 2.01 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 18:48 | CM |
| 72-55-9 | 4,4'-DDE | ND | | ug/kg dry | 2.01 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 18:48 | CM |
| 50-29-3 | 4,4'-DDT | ND | | ug/kg dry | 2.01 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 18:48 | CM |
| 309-00-2 | Aldrin | ND | | ug/kg dry | 2.01 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 18:48 | CM |
| 319-84-6 | alpha-BHC | ND | | ug/kg dry | 2.01 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 18:48 | CM |
| 5103-71-9 | alpha-Chlordane | ND | | ug/kg dry | 2.01 | 5 | EPA 8081B<br>Certifications: NELAC-NY10854,NJDEP | 06/25/2019 14:19 | 06/26/2019 18:48 | CM |
| 319-85-7 | beta-BHC | ND | | ug/kg dry | 2.01 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 18:48 | CM |
| 57-74-9 | Chlordane, total | ND | | ug/kg dry | 40.1 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 18:48 | CM |
| 319-86-8 | delta-BHC | ND | | ug/kg dry | 2.01 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 18:48 | CM |
| 60-57-1 | Dieldrin | ND | | ug/kg dry | 2.01 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 18:48 | CM |
| 959-98-8 | Endosulfan I | ND | | ug/kg dry | 2.01 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 18:48 | CM |

## Sample Information

**Client Sample ID:** **SP-3 (2-4)** **York Sample ID:** **19F0828-06**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 14, 2019 12:00 am | 06/20/2019 |

### Pesticides, 8081 target list

**Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 33213-65-9 | Endosulfan II | ND | | ug/kg dry | 2.01 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854 | 06/25/2019 14:19 | 06/26/2019 18:48 | CM |
| 1031-07-8 | Endosulfan sulfate | ND | | ug/kg dry | 2.01 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 18:48 | CM |
| 72-20-8 | Endrin | ND | | ug/kg dry | 2.01 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 18:48 | CM |
| 7421-93-4 | Endrin aldehyde | ND | | ug/kg dry | 2.01 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 18:48 | CM |
| 53494-70-5 | Endrin ketone | ND | | ug/kg dry | 2.01 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 18:48 | CM |
| 58-89-9 | gamma-BHC (Lindane) | ND | | ug/kg dry | 2.01 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 18:48 | CM |
| 5566-34-7 | gamma-Chlordane | ND | | ug/kg dry | 2.01 | 5 | EPA 8081B<br>Certifications: NELAC-NY10854,NJDEP | 06/25/2019 14:19 | 06/26/2019 18:48 | CM |
| 76-44-8 | Heptachlor | ND | | ug/kg dry | 2.01 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 18:48 | CM |
| 1024-57-3 | Heptachlor epoxide | ND | | ug/kg dry | 2.01 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 18:48 | CM |
| 72-43-5 | Methoxychlor | ND | | ug/kg dry | 10.0 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 18:48 | CM |
| 8001-35-2 | Toxaphene | ND | | ug/kg dry | 102 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 18:48 | CM |

| | Surrogate Recoveries | Result | Acceptance Range |
|---|---|---|---|
| 2051-24-3 | *Surrogate: Decachlorobiphenyl* | *75.4 %* | *30-150* |
| 877-09-8 | *Surrogate: Tetrachloro-m-xylene* | *69.3 %* | *30-150* |

### Polychlorinated Biphenyls (PCB)

**Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 12674-11-2 | Aroclor 1016 | ND | | mg/kg dry | 0.0203 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 14:02 | SR |
| 11104-28-2 | Aroclor 1221 | ND | | mg/kg dry | 0.0203 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 14:02 | SR |
| 11141-16-5 | Aroclor 1232 | ND | | mg/kg dry | 0.0203 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 14:02 | SR |
| 53469-21-9 | Aroclor 1242 | ND | | mg/kg dry | 0.0203 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 14:02 | SR |
| 12672-29-6 | Aroclor 1248 | ND | | mg/kg dry | 0.0203 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 14:02 | SR |
| 11097-69-1 | Aroclor 1254 | ND | | mg/kg dry | 0.0203 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 14:02 | SR |

## Sample Information

**Client Sample ID:** **SP-3 (2-4)** **York Sample ID:** **19F0828-06**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 14, 2019 12:00 am | 06/20/2019 |

### 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 |
|---|---|---|---|---|---|---|---|---|---|---|
| 11096-82-5 | Aroclor 1260 | ND | | mg/kg dry | 0.0203 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 14:02 | SR |
| 1336-36-3 | * Total PCBs | ND | | mg/kg dry | 0.0203 | 1 | EPA 8082A<br>Certifications: | 06/25/2019 14:19 | 06/26/2019 14:02 | SR |

| | Surrogate Recoveries | Result | Acceptance Range |
|---|---|---|---|
| 877-09-8 | *Surrogate: Tetrachloro-m-xylene* | *73.5 %* | *30-140* |
| 2051-24-3 | *Surrogate: Decachlorobiphenyl* | *62.0 %* | *30-140* |

### Metals, Target Analyte

**Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3050B

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 7429-90-5 | **Aluminum** | **10400** | | mg/kg dry | 6.10 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:37 | KML |
| 7440-36-0 | Antimony | ND | | mg/kg dry | 3.05 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:37 | KML |
| 7440-38-2 | **Arsenic** | **2.52** | | mg/kg dry | 1.83 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:37 | KML |
| 7440-39-3 | **Barium** | **54.3** | | mg/kg dry | 3.05 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:37 | KML |
| 7440-41-7 | **Beryllium** | **0.239** | B | mg/kg dry | 0.061 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:37 | KML |
| 7440-43-9 | Cadmium | ND | | mg/kg dry | 0.366 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:37 | KML |
| 7440-70-2 | **Calcium** | **1960** | | mg/kg dry | 6.10 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:37 | KML |
| 7440-47-3 | **Chromium** | **19.7** | | mg/kg dry | 0.610 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:37 | KML |
| 7440-48-4 | **Cobalt** | **5.38** | | mg/kg dry | 0.488 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:37 | KML |
| 7440-50-8 | **Copper** | **14.4** | | mg/kg dry | 2.44 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:37 | KML |
| 7439-89-6 | **Iron** | **18100** | | mg/kg dry | 30.5 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:37 | KML |
| 7439-92-1 | **Lead** | **5.28** | | mg/kg dry | 0.610 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:37 | KML |
| 7439-95-4 | **Magnesium** | **3220** | | mg/kg dry | 6.10 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:37 | KML |
| 7439-96-5 | **Manganese** | **106** | | mg/kg dry | 0.610 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:37 | KML |
| 7440-02-0 | **Nickel** | **15.6** | | mg/kg dry | 1.22 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:37 | KML |
| 7440-09-7 | **Potassium** | **1060** | | mg/kg dry | 6.10 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:37 | KML |

## Sample Information

**Client Sample ID:** SP-3 (2-4) **York Sample ID:** 19F0828-06

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 14, 2019 12:00 am | 06/20/2019 |

### 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 |
|---|---|---|---|---|---|---|---|---|---|---|
| 7782-49-2 | Selenium | ND | | mg/kg dry | 3.05 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:37 | KML |
| 7440-22-4 | Silver | ND | | mg/kg dry | 0.610 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:37 | KML |
| 7440-23-5 | **Sodium** | **77.1** | | mg/kg dry | 61.0 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:37 | KML |
| 7440-28-0 | Thallium | ND | | mg/kg dry | 3.05 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:37 | KML |
| 7440-62-2 | **Vanadium** | **17.5** | | mg/kg dry | 1.22 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:37 | KML |
| 7440-66-6 | **Zinc** | **52.3** | | mg/kg dry | 3.05 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:37 | 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 | 0.0366 | 1 | EPA 7473<br>Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP | 06/21/2019 11:52 | 06/21/2019 13:13 | 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<br>Certifications: CTDOH | 06/24/2019 14:31 | 06/25/2019 15:41 | JTV |

## Sample Information

**Client Sample ID:** SP-4 (0-2) **York Sample ID:** 19F0828-07

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 14, 2019 12:00 am | 06/20/2019 |

### 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 | 1.9 | 3.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:59 | RDS |

## Sample Information

**Client Sample ID:** **SP-4 (0-2)** **York Sample ID:** **19F0828-07**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 14, 2019 12:00 am | 06/20/2019 |

**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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 71-55-6 | 1,1,1-Trichloroethane | ND | | ug/kg dry | 1.9 | 3.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:59 | RDS |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | ug/kg dry | 1.9 | 3.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:59 | RDS |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | | ug/kg dry | 1.9 | 3.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:59 | RDS |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | ug/kg dry | 1.9 | 3.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:59 | RDS |
| 75-34-3 | 1,1-Dichloroethane | ND | | ug/kg dry | 1.9 | 3.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:59 | RDS |
| 75-35-4 | 1,1-Dichloroethylene | ND | | ug/kg dry | 1.9 | 3.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:59 | RDS |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | | ug/kg dry | 1.9 | 3.7 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 06/25/2019 12:30 | 06/26/2019 05:59 | RDS |
| 96-18-4 | 1,2,3-Trichloropropane | ND | | ug/kg dry | 1.9 | 3.7 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP | 06/25/2019 12:30 | 06/26/2019 05:59 | RDS |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | ug/kg dry | 1.9 | 3.7 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 06/25/2019 12:30 | 06/26/2019 05:59 | RDS |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | | ug/kg dry | 1.9 | 3.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:59 | RDS |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | | ug/kg dry | 1.9 | 3.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:59 | RDS |
| 106-93-4 | 1,2-Dibromoethane | ND | | ug/kg dry | 1.9 | 3.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:59 | RDS |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | ug/kg dry | 1.9 | 3.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:59 | RDS |
| 107-06-2 | 1,2-Dichloroethane | ND | | ug/kg dry | 1.9 | 3.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:59 | RDS |
| 78-87-5 | 1,2-Dichloropropane | ND | | ug/kg dry | 1.9 | 3.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:59 | RDS |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | | ug/kg dry | 1.9 | 3.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:59 | RDS |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | ug/kg dry | 1.9 | 3.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:59 | RDS |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | ug/kg dry | 1.9 | 3.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:59 | RDS |
| 123-91-1 | 1,4-Dioxane | ND | | ug/kg dry | 37 | 75 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 06/25/2019 12:30 | 06/26/2019 05:59 | RDS |
| 78-93-3 | 2-Butanone | ND | | ug/kg dry | 1.9 | 3.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:59 | RDS |
| 591-78-6 | 2-Hexanone | ND | | ug/kg dry | 1.9 | 3.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:59 | RDS |

## Sample Information

**Client Sample ID:** **SP-4 (0-2)** **York Sample ID:** **19F0828-07**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 14, 2019 12:00 am | 06/20/2019 |

**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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 108-10-1 | 4-Methyl-2-pentanone | ND | | ug/kg dry | 1.9 | 3.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:59 | RDS |
| 67-64-1 | **Acetone** | **4.0** | CCV-E, J | ug/kg dry | 3.7 | 7.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:59 | RDS |
| 107-02-8 | Acrolein | ND | | ug/kg dry | 3.7 | 7.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:59 | RDS |
| 107-13-1 | Acrylonitrile | ND | | ug/kg dry | 1.9 | 3.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:59 | RDS |
| 71-43-2 | Benzene | ND | | ug/kg dry | 1.9 | 3.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:59 | RDS |
| 74-97-5 | Bromochloromethane | ND | | ug/kg dry | 1.9 | 3.7 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 06/25/2019 12:30 | 06/26/2019 05:59 | RDS |
| 75-27-4 | Bromodichloromethane | ND | | ug/kg dry | 1.9 | 3.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:59 | RDS |
| 75-25-2 | Bromoform | ND | | ug/kg dry | 1.9 | 3.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:59 | RDS |
| 74-83-9 | Bromomethane | ND | | ug/kg dry | 1.9 | 3.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:59 | RDS |
| 75-15-0 | Carbon disulfide | ND | | ug/kg dry | 1.9 | 3.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:59 | RDS |
| 56-23-5 | Carbon tetrachloride | ND | | ug/kg dry | 1.9 | 3.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:59 | RDS |
| 108-90-7 | Chlorobenzene | ND | | ug/kg dry | 1.9 | 3.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:59 | RDS |
| 75-00-3 | Chloroethane | ND | | ug/kg dry | 1.9 | 3.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:59 | RDS |
| 67-66-3 | Chloroform | ND | | ug/kg dry | 1.9 | 3.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:59 | RDS |
| 74-87-3 | Chloromethane | ND | | ug/kg dry | 1.9 | 3.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:59 | RDS |
| 156-59-2 | cis-1,2-Dichloroethylene | ND | | ug/kg dry | 1.9 | 3.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:59 | RDS |
| 10061-01-5 | cis-1,3-Dichloropropylene | ND | | ug/kg dry | 1.9 | 3.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:59 | RDS |
| 110-82-7 | Cyclohexane | ND | | ug/kg dry | 1.9 | 3.7 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 06/25/2019 12:30 | 06/26/2019 05:59 | RDS |
| 124-48-1 | Dibromochloromethane | ND | | ug/kg dry | 1.9 | 3.7 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 06/25/2019 12:30 | 06/26/2019 05:59 | RDS |
| 74-95-3 | Dibromomethane | ND | | ug/kg dry | 1.9 | 3.7 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 06/25/2019 12:30 | 06/26/2019 05:59 | RDS |
| 75-71-8 | Dichlorodifluoromethane | ND | | ug/kg dry | 1.9 | 3.7 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 06/25/2019 12:30 | 06/26/2019 05:59 | RDS |

## Sample Information

**Client Sample ID:** **SP-4 (0-2)** **York Sample ID:** **19F0828-07**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 14, 2019 12:00 am | 06/20/2019 |

**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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 100-41-4 | Ethyl Benzene | ND | | ug/kg dry | 1.9 | 3.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:59 | RDS |
| 87-68-3 | Hexachlorobutadiene | ND | | ug/kg dry | 1.9 | 3.7 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 06/25/2019 12:30 | 06/26/2019 05:59 | RDS |
| 98-82-8 | Isopropylbenzene | ND | | ug/kg dry | 1.9 | 3.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:59 | RDS |
| 79-20-9 | Methyl acetate | ND | | ug/kg dry | 1.9 | 3.7 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 06/25/2019 12:30 | 06/26/2019 05:59 | RDS |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | | ug/kg dry | 1.9 | 3.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:59 | RDS |
| 108-87-2 | Methylcyclohexane | ND | | ug/kg dry | 1.9 | 3.7 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 06/25/2019 12:30 | 06/26/2019 05:59 | RDS |
| 75-09-2 | Methylene chloride | ND | | ug/kg dry | 3.7 | 7.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:59 | RDS |
| 104-51-8 | n-Butylbenzene | ND | | ug/kg dry | 1.9 | 3.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:59 | RDS |
| 103-65-1 | n-Propylbenzene | ND | | ug/kg dry | 1.9 | 3.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:59 | RDS |
| 95-47-6 | o-Xylene | ND | | ug/kg dry | 1.9 | 3.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA | 06/25/2019 12:30 | 06/26/2019 05:59 | RDS |
| 179601-23-1 | p- & m- Xylenes | ND | | ug/kg dry | 3.7 | 7.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA | 06/25/2019 12:30 | 06/26/2019 05:59 | RDS |
| 99-87-6 | p-Isopropyltoluene | ND | | ug/kg dry | 1.9 | 3.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:59 | RDS |
| 135-98-8 | sec-Butylbenzene | ND | | ug/kg dry | 1.9 | 3.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:59 | RDS |
| 100-42-5 | Styrene | ND | | ug/kg dry | 1.9 | 3.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:59 | RDS |
| 75-65-0 | tert-Butyl alcohol (TBA) | ND | | ug/kg dry | 1.9 | 19 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 06/25/2019 12:30 | 06/26/2019 05:59 | RDS |
| 98-06-6 | tert-Butylbenzene | ND | | ug/kg dry | 1.9 | 3.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:59 | RDS |
| 127-18-4 | **Tetrachloroethylene** | **13** | | ug/kg dry | 1.9 | 3.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:59 | RDS |
| 108-88-3 | Toluene | ND | | ug/kg dry | 1.9 | 3.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:59 | RDS |
| 156-60-5 | trans-1,2-Dichloroethylene | ND | | ug/kg dry | 1.9 | 3.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:59 | RDS |
| 10061-02-6 | trans-1,3-Dichloropropylene | ND | | ug/kg dry | 1.9 | 3.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:59 | RDS |
| 110-57-6 | * trans-1,4-dichloro-2-butene | ND | | ug/kg dry | 1.9 | 3.7 | 1 | EPA 8260C<br>Certifications: CTDOH | 06/25/2019 12:30 | 06/26/2019 05:59 | RDS |

## Sample Information

**Client Sample ID:** **SP-4 (0-2)** **York Sample ID:** **19F0828-07**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 14, 2019 12:00 am | 06/20/2019 |

### 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 | 1.9 | 3.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:59 | RDS |
| 75-69-4 | Trichlorofluoromethane | ND | | ug/kg dry | 1.9 | 3.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:59 | RDS |
| 75-01-4 | Vinyl Chloride | ND | | ug/kg dry | 1.9 | 3.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:59 | RDS |
| 1330-20-7 | Xylenes, Total | ND | | ug/kg dry | 5.6 | 11 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 05:59 | RDS |

| | Surrogate Recoveries | Result | Acceptance Range |
|---|---|---|---|
| 17060-07-0 | *Surrogate: SURR: 1,2-Dichloroethane-d4* | *88.5 %* | *77-125* |
| 2037-26-5 | *Surrogate: SURR: Toluene-d8* | *93.8 %* | *85-120* |
| 460-00-4 | *Surrogate: SURR: p-Bromofluorobenzene* | *99.8 %* | *76-130* |

### Semi-Volatiles, 8270 - Comprehensive

**Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 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** | **370** | | ug/kg dry | 47.8 | 95.3 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 19:07 | SR |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg dry | 95.3 | 190 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 19:07 | SR |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | ug/kg dry | 47.8 | 95.3 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 19:07 | SR |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | ug/kg dry | 47.8 | 95.3 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP | 06/25/2019 14:22 | 06/26/2019 19:07 | SR |
| 122-66-7 | 1,2-Diphenylhydrazine (as Azobenzene) | ND | | ug/kg dry | 47.8 | 95.3 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 19:07 | SR |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | ug/kg dry | 47.8 | 95.3 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP | 06/25/2019 14:22 | 06/26/2019 19:07 | SR |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | ug/kg dry | 47.8 | 95.3 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP | 06/25/2019 14:22 | 06/26/2019 19:07 | SR |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | ND | | ug/kg dry | 95.3 | 190 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 19:07 | SR |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | | ug/kg dry | 47.8 | 95.3 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 19:07 | SR |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | | ug/kg dry | 47.8 | 95.3 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 19:07 | SR |
| 120-83-2 | 2,4-Dichlorophenol | ND | | ug/kg dry | 47.8 | 95.3 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 19:07 | SR |
| 105-67-9 | **2,4-Dimethylphenol** | **141** | | ug/kg dry | 47.8 | 95.3 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 19:07 | SR |

## Sample Information

**Client Sample ID:** **SP-4 (0-2)** **York Sample ID:** **19F0828-07**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 14, 2019 12:00 am | 06/20/2019 |

**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 | 95.3 | 190 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 19:07 | SR |
| 121-14-2 | 2,4-Dinitrotoluene | ND | | ug/kg dry | 47.8 | 95.3 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 19:07 | SR |
| 606-20-2 | 2,6-Dinitrotoluene | ND | | ug/kg dry | 47.8 | 95.3 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 19:07 | SR |
| 91-58-7 | 2-Chloronaphthalene | ND | | ug/kg dry | 47.8 | 95.3 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 19:07 | SR |
| 95-57-8 | 2-Chlorophenol | ND | | ug/kg dry | 47.8 | 95.3 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 19:07 | SR |
| 91-57-6 | **2-Methylnaphthalene** | **1310** | | ug/kg dry | 47.8 | 95.3 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 19:07 | SR |
| 95-48-7 | **2-Methylphenol** | **76.2** | J | ug/kg dry | 47.8 | 95.3 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 19:07 | SR |
| 88-74-4 | 2-Nitroaniline | ND | | ug/kg dry | 95.3 | 190 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 19:07 | SR |
| 88-75-5 | 2-Nitrophenol | ND | | ug/kg dry | 47.8 | 95.3 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 19:07 | SR |
| 65794-96-9 | **3- & 4-Methylphenols** | **173** | | ug/kg dry | 47.8 | 95.3 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 19:07 | SR |
| 91-94-1 | 3,3-Dichlorobenzidine | ND | | ug/kg dry | 47.8 | 95.3 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 19:07 | SR |
| 99-09-2 | 3-Nitroaniline | ND | | ug/kg dry | 95.3 | 190 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 19:07 | SR |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | ND | | ug/kg dry | 95.3 | 190 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 19:07 | SR |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | | ug/kg dry | 47.8 | 95.3 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 19:07 | SR |
| 59-50-7 | 4-Chloro-3-methylphenol | ND | | ug/kg dry | 47.8 | 95.3 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 19:07 | SR |
| 106-47-8 | 4-Chloroaniline | ND | | ug/kg dry | 47.8 | 95.3 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 19:07 | SR |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | | ug/kg dry | 47.8 | 95.3 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 19:07 | SR |
| 100-01-6 | 4-Nitroaniline | ND | | ug/kg dry | 95.3 | 190 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 19:07 | SR |
| 100-02-7 | 4-Nitrophenol | ND | | ug/kg dry | 95.3 | 190 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 19:07 | SR |
| 83-32-9 | **Acenaphthene** | **3290** | | ug/kg dry | 597 | 1190 | 25 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/27/2019 10:35 | SR |
| 208-96-8 | **Acenaphthylene** | **1880** | | ug/kg dry | 47.8 | 95.3 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 19:07 | SR |
| 98-86-2 | Acetophenone | ND | | ug/kg dry | 47.8 | 95.3 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 19:07 | SR |

## Sample Information

**Client Sample ID:** **SP-4 (0-2)** **York Sample ID:** **19F0828-07**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 14, 2019 12:00 am | 06/20/2019 |

**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 | 191 | 382 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 19:07 | SR |
| 120-12-7 | **Anthracene** | **7730** | | ug/kg dry | 597 | 1190 | 25 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/27/2019 10:35 | SR |
| 1912-24-9 | Atrazine | ND | | ug/kg dry | 47.8 | 95.3 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 19:07 | SR |
| 100-52-7 | Benzaldehyde | ND | | ug/kg dry | 47.8 | 95.3 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 19:07 | SR |
| 92-87-5 | Benzidine | ND | | ug/kg dry | 191 | 382 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,PADEP | 06/25/2019 14:22 | 06/26/2019 19:07 | SR |
| 56-55-3 | **Benzo(a)anthracene** | **20600** | | ug/kg dry | 597 | 1190 | 25 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/27/2019 10:35 | SR |
| 50-32-8 | **Benzo(a)pyrene** | **19500** | | ug/kg dry | 597 | 1190 | 25 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/27/2019 10:35 | SR |
| 205-99-2 | **Benzo(b)fluoranthene** | **17300** | | ug/kg dry | 597 | 1190 | 25 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/27/2019 10:35 | SR |
| 191-24-2 | **Benzo(g,h,i)perylene** | **10200** | | ug/kg dry | 597 | 1190 | 25 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/27/2019 10:35 | SR |
| 207-08-9 | **Benzo(k)fluoranthene** | **14700** | | ug/kg dry | 597 | 1190 | 25 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/27/2019 10:35 | SR |
| 65-85-0 | Benzoic acid | ND | | ug/kg dry | 47.8 | 95.3 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 19:07 | SR |
| 100-51-6 | Benzyl alcohol | ND | | ug/kg dry | 47.8 | 95.3 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 19:07 | SR |
| 85-68-7 | Benzyl butyl phthalate | ND | | ug/kg dry | 47.8 | 95.3 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 19:07 | SR |
| 111-91-1 | Bis(2-chloroethoxy)methane | ND | | ug/kg dry | 47.8 | 95.3 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 19:07 | SR |
| 111-44-4 | Bis(2-chloroethyl)ether | ND | | ug/kg dry | 47.8 | 95.3 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 19:07 | SR |
| 108-60-1 | Bis(2-chloroisopropyl)ether | ND | | ug/kg dry | 47.8 | 95.3 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 19:07 | SR |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | ND | | ug/kg dry | 47.8 | 95.3 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 19:07 | SR |
| 105-60-2 | Caprolactam | ND | | ug/kg dry | 95.3 | 190 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 19:07 | SR |
| 86-74-8 | **Carbazole** | **3300** | | ug/kg dry | 597 | 1190 | 25 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/27/2019 10:35 | SR |
| 218-01-9 | **Chrysene** | **19100** | | ug/kg dry | 597 | 1190 | 25 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/27/2019 10:35 | SR |
| 53-70-3 | **Dibenzo(a,h)anthracene** | **2870** | | ug/kg dry | 597 | 1190 | 25 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/27/2019 10:35 | SR |
| 132-64-9 | **Dibenzofuran** | **2370** | | ug/kg dry | 47.8 | 95.3 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 19:07 | SR |

## Sample Information

**Client Sample ID:** **SP-4 (0-2)** **York Sample ID:** **19F0828-07**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 14, 2019 12:00 am | 06/20/2019 |

**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 | 47.8 | 95.3 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 19:07 | SR |
| 131-11-3 | Dimethyl phthalate | ND | | ug/kg dry | 47.8 | 95.3 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 19:07 | SR |
| 84-74-2 | Di-n-butyl phthalate | ND | | ug/kg dry | 47.8 | 95.3 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 19:07 | SR |
| 117-84-0 | Di-n-octyl phthalate | ND | | ug/kg dry | 47.8 | 95.3 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 19:07 | SR |
| 206-44-0 | **Fluoranthene** | **45400** | | ug/kg dry | 1190 | 2380 | 50 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/27/2019 15:15 | SR |
| 86-73-7 | **Fluorene** | **3080** | | ug/kg dry | 597 | 1190 | 25 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/27/2019 10:35 | SR |
| 118-74-1 | Hexachlorobenzene | ND | | ug/kg dry | 47.8 | 95.3 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 19:07 | SR |
| 87-68-3 | Hexachlorobutadiene | ND | | ug/kg dry | 47.8 | 95.3 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 19:07 | SR |
| 77-47-4 | Hexachlorocyclopentadiene | ND | | ug/kg dry | 47.8 | 95.3 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 19:07 | SR |
| 67-72-1 | Hexachloroethane | ND | | ug/kg dry | 47.8 | 95.3 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 19:07 | SR |
| 193-39-5 | **Indeno(1,2,3-cd)pyrene** | **10500** | | ug/kg dry | 597 | 1190 | 25 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/27/2019 10:35 | SR |
| 78-59-1 | Isophorone | ND | | ug/kg dry | 47.8 | 95.3 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 19:07 | SR |
| 91-20-3 | **Naphthalene** | **2310** | | ug/kg dry | 47.8 | 95.3 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 19:07 | SR |
| 98-95-3 | Nitrobenzene | ND | | ug/kg dry | 47.8 | 95.3 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 19:07 | SR |
| 62-75-9 | N-Nitrosodimethylamine | ND | | ug/kg dry | 47.8 | 95.3 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 19:07 | SR |
| 621-64-7 | N-nitroso-di-n-propylamine | ND | | ug/kg dry | 47.8 | 95.3 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 19:07 | SR |
| 86-30-6 | N-Nitrosodiphenylamine | ND | | ug/kg dry | 47.8 | 95.3 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 19:07 | SR |
| 87-86-5 | Pentachlorophenol | ND | | ug/kg dry | 47.8 | 95.3 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 19:07 | SR |
| 85-01-8 | **Phenanthrene** | **33400** | | ug/kg dry | 597 | 1190 | 25 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/27/2019 10:35 | SR |
| 108-95-2 | **Phenol** | **104** | | ug/kg dry | 47.8 | 95.3 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 19:07 | SR |
| 129-00-0 | **Pyrene** | **35100** | | ug/kg dry | 597 | 1190 | 25 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/27/2019 10:35 | SR |

| | Surrogate Recoveries | Result | Acceptance Range |
|---|---|---|---|
| 367-12-4 | *Surrogate: SURR: 2-Fluorophenol* | *67.2 %* | *20-108* |

## Sample Information

**Client Sample ID:** **SP-4 (0-2)** **York Sample ID:** **19F0828-07**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 14, 2019 12:00 am | 06/20/2019 |

### 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* | *68.4 %* | | | *23-114* | | | | | | |
| 4165-60-0 | *Surrogate: SURR: Nitrobenzene-d5* | *68.2 %* | | | *22-108* | | | | | | |
| 321-60-8 | *Surrogate: SURR: 2-Fluorobiphenyl* | *77.0 %* | | | *21-113* | | | | | | |
| 118-79-6 | *Surrogate: SURR: 2,4,6-Tribromophenol* | *94.0 %* | | | *19-110* | | | | | | |
| 1718-51-0 | *Surrogate: SURR: Terphenyl-d14* | *73.9 %* | | | *24-116* | | | | | | |

### Pesticides, 8081 target list

**Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 72-54-8 | 4,4'-DDD | ND | | ug/kg dry | 1.90 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 19:03 | CM |
| 72-55-9 | 4,4'-DDE | ND | | ug/kg dry | 1.90 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 19:03 | CM |
| 50-29-3 | 4,4'-DDT | ND | | ug/kg dry | 1.90 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 19:03 | CM |
| 309-00-2 | Aldrin | ND | | ug/kg dry | 1.90 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 19:03 | CM |
| 319-84-6 | alpha-BHC | ND | | ug/kg dry | 1.90 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 19:03 | CM |
| 5103-71-9 | alpha-Chlordane | ND | | ug/kg dry | 1.90 | 5 | EPA 8081B<br>Certifications: NELAC-NY10854,NJDEP | 06/25/2019 14:19 | 06/26/2019 19:03 | CM |
| 319-85-7 | beta-BHC | ND | | ug/kg dry | 1.90 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 19:03 | CM |
| 57-74-9 | Chlordane, total | ND | | ug/kg dry | 38.1 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 19:03 | CM |
| 319-86-8 | delta-BHC | ND | | ug/kg dry | 1.90 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 19:03 | CM |
| 60-57-1 | Dieldrin | ND | | ug/kg dry | 1.90 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 19:03 | CM |
| 959-98-8 | Endosulfan I | ND | | ug/kg dry | 1.90 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 19:03 | CM |
| 33213-65-9 | Endosulfan II | ND | | ug/kg dry | 1.90 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854 | 06/25/2019 14:19 | 06/26/2019 19:03 | CM |
| 1031-07-8 | Endosulfan sulfate | ND | | ug/kg dry | 1.90 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 19:03 | CM |
| 72-20-8 | Endrin | ND | | ug/kg dry | 1.90 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 19:03 | CM |
| 7421-93-4 | Endrin aldehyde | ND | | ug/kg dry | 1.90 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 19:03 | CM |

# Sample Information

**Client Sample ID:** **SP-4 (0-2)** **York Sample ID:** **19F0828-07**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 14, 2019 12:00 am | 06/20/2019 |

## Pesticides, 8081 target list

**Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 53494-70-5 | Endrin ketone | ND | | ug/kg dry | 1.90 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 19:03 | CM |
| 58-89-9 | gamma-BHC (Lindane) | ND | | ug/kg dry | 1.90 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 19:03 | CM |
| 5566-34-7 | gamma-Chlordane | ND | | ug/kg dry | 1.90 | 5 | EPA 8081B<br>Certifications: NELAC-NY10854,NJDEP | 06/25/2019 14:19 | 06/26/2019 19:03 | CM |
| 76-44-8 | Heptachlor | ND | | ug/kg dry | 1.90 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 19:03 | CM |
| 1024-57-3 | Heptachlor epoxide | ND | | ug/kg dry | 1.90 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 19:03 | CM |
| 72-43-5 | Methoxychlor | ND | | ug/kg dry | 9.52 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 19:03 | CM |
| 8001-35-2 | Toxaphene | ND | | ug/kg dry | 96.4 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 19:03 | CM |

| | Surrogate Recoveries | Result | Acceptance Range |
|---|---|---|---|
| 2051-24-3 | *Surrogate: Decachlorobiphenyl* | *89.4 %* | *30-150* |
| 877-09-8 | *Surrogate: Tetrachloro-m-xylene* | *49.7 %* | *30-150* |

## Polychlorinated Biphenyls (PCB)

**Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 12674-11-2 | Aroclor 1016 | ND | | mg/kg dry | 0.0192 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 06/25/2019 14:19 | 06/27/2019 10:24 | SR |
| 11104-28-2 | Aroclor 1221 | ND | | mg/kg dry | 0.0192 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 06/25/2019 14:19 | 06/27/2019 10:24 | SR |
| 11141-16-5 | Aroclor 1232 | ND | | mg/kg dry | 0.0192 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 06/25/2019 14:19 | 06/27/2019 10:24 | SR |
| 53469-21-9 | Aroclor 1242 | ND | | mg/kg dry | 0.0192 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 06/25/2019 14:19 | 06/27/2019 10:24 | SR |
| 12672-29-6 | Aroclor 1248 | ND | | mg/kg dry | 0.0192 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 06/25/2019 14:19 | 06/27/2019 10:24 | SR |
| 11097-69-1 | Aroclor 1254 | ND | | mg/kg dry | 0.0192 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 06/25/2019 14:19 | 06/27/2019 10:24 | SR |
| 11096-82-5 | Aroclor 1260 | ND | | mg/kg dry | 0.0192 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 06/25/2019 14:19 | 06/27/2019 10:24 | SR |
| 1336-36-3 | * Total PCBs | ND | | mg/kg dry | 0.0192 | 1 | EPA 8082A<br>Certifications: | 06/25/2019 14:19 | 06/27/2019 10:24 | SR |

| | Surrogate Recoveries | Result | Acceptance Range |
|---|---|---|---|
| 877-09-8 | *Surrogate: Tetrachloro-m-xylene* | *78.0 %* | *30-140* |
| 2051-24-3 | *Surrogate: Decachlorobiphenyl* | *67.0 %* | *30-140* |

## Sample Information

**Client Sample ID:** **SP-4 (0-2)** **York Sample ID:** **19F0828-07**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 14, 2019 12:00 am | 06/20/2019 |

**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 | 5.79 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:39 | KML |
| 7440-36-0 | Antimony | ND | | mg/kg dry | 2.90 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:39 | KML |
| 7440-38-2 | **Arsenic** | **9.78** | | mg/kg dry | 1.74 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:39 | KML |
| 7440-39-3 | **Barium** | **320** | | mg/kg dry | 2.90 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:39 | KML |
| 7440-41-7 | **Beryllium** | **0.349** | B | mg/kg dry | 0.058 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:39 | KML |
| 7440-43-9 | **Cadmium** | **1.03** | | mg/kg dry | 0.347 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:39 | KML |
| 7440-70-2 | **Calcium** | **2720** | | mg/kg dry | 5.79 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:39 | KML |
| 7440-47-3 | **Chromium** | **24.4** | | mg/kg dry | 0.579 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:39 | KML |
| 7440-48-4 | **Cobalt** | **8.84** | | mg/kg dry | 0.463 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:39 | KML |
| 7440-50-8 | **Copper** | **233** | | mg/kg dry | 2.32 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:39 | KML |
| 7439-89-6 | **Iron** | **31700** | | mg/kg dry | 29.0 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:39 | KML |
| 7439-92-1 | **Lead** | **734** | | mg/kg dry | 0.579 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:39 | KML |
| 7439-95-4 | **Magnesium** | **1980** | | mg/kg dry | 5.79 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:39 | KML |
| 7439-96-5 | **Manganese** | **689** | | mg/kg dry | 0.579 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:39 | KML |
| 7440-02-0 | **Nickel** | **16.2** | | mg/kg dry | 1.16 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:39 | KML |
| 7440-09-7 | **Potassium** | **769** | | mg/kg dry | 5.79 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:39 | KML |
| 7782-49-2 | Selenium | ND | | mg/kg dry | 2.90 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:39 | KML |
| 7440-22-4 | Silver | ND | | mg/kg dry | 0.579 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:39 | KML |
| 7440-23-5 | **Sodium** | **118** | | mg/kg dry | 57.9 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:39 | KML |
| 7440-28-0 | Thallium | ND | | mg/kg dry | 2.90 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:39 | KML |
| 7440-62-2 | **Vanadium** | **31.4** | | mg/kg dry | 1.16 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:39 | KML |
| 7440-66-6 | **Zinc** | **804** | | mg/kg dry | 2.90 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:39 | KML |

## Sample Information

**Client Sample ID:** SP-4 (0-2) **York Sample ID:** 19F0828-07

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 14, 2019 12:00 am | 06/20/2019 |

### 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** | **1.33** | | mg/kg dry | 0.0347 | 1 | EPA 7473 | 06/21/2019 11:52 | 06/21/2019 13:22 | SY |
| | | | | | | | Certifications: | CTDOH,NJDEP,NELAC-NY10854,PADEP | | |

### Total Solids

**Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: % Solids Prep

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| solids | *** % Solids** | **86.4** | | % | 0.100 | 1 | SM 2540G | 06/24/2019 14:30 | 06/24/2019 22:26 | MAO |
| | | | | | | | Certifications: | CTDOH | | |

## Sample Information

**Client Sample ID:** SP-4 (2-4) **York Sample ID:** 19F0828-08

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 14, 2019 12:00 am | 06/20/2019 |

### 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 | 5.1 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 06:26 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | ug/kg dry | 2.5 | 5.1 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 06:26 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | ug/kg dry | 2.5 | 5.1 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 06:26 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | | ug/kg dry | 2.5 | 5.1 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 06:26 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | ug/kg dry | 2.5 | 5.1 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 06:26 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 75-34-3 | 1,1-Dichloroethane | ND | | ug/kg dry | 2.5 | 5.1 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 06:26 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 75-35-4 | 1,1-Dichloroethylene | ND | | ug/kg dry | 2.5 | 5.1 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 06:26 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | | ug/kg dry | 2.5 | 5.1 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 06:26 | RDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | | |
| 96-18-4 | 1,2,3-Trichloropropane | ND | | ug/kg dry | 2.5 | 5.1 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 06:26 | RDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NELAC-NY12058,NJDEP | | |

## Sample Information

**Client Sample ID:** **SP-4 (2-4)** **York Sample ID:** **19F0828-08**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 14, 2019 12:00 am | 06/20/2019 |

**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 | 5.1 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 06:26 | RDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | | |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | | ug/kg dry | 2.5 | 5.1 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 06:26 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | | ug/kg dry | 2.5 | 5.1 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 06:26 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 106-93-4 | 1,2-Dibromoethane | ND | | ug/kg dry | 2.5 | 5.1 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 06:26 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | ug/kg dry | 2.5 | 5.1 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 06:26 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 107-06-2 | 1,2-Dichloroethane | ND | | ug/kg dry | 2.5 | 5.1 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 06:26 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 78-87-5 | 1,2-Dichloropropane | ND | | ug/kg dry | 2.5 | 5.1 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 06:26 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | | ug/kg dry | 2.5 | 5.1 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 06:26 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | ug/kg dry | 2.5 | 5.1 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 06:26 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | ug/kg dry | 2.5 | 5.1 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 06:26 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 123-91-1 | 1,4-Dioxane | ND | | ug/kg dry | 51 | 100 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 06:26 | RDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | | |
| 78-93-3 | 2-Butanone | ND | | ug/kg dry | 2.5 | 5.1 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 06:26 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 591-78-6 | 2-Hexanone | ND | | ug/kg dry | 2.5 | 5.1 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 06:26 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 108-10-1 | 4-Methyl-2-pentanone | ND | | ug/kg dry | 2.5 | 5.1 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 06:26 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 67-64-1 | Acetone | ND | | ug/kg dry | 5.1 | 10 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 06:26 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 107-02-8 | Acrolein | ND | | ug/kg dry | 5.1 | 10 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 06:26 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 107-13-1 | Acrylonitrile | ND | | ug/kg dry | 2.5 | 5.1 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 06:26 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 71-43-2 | Benzene | ND | | ug/kg dry | 2.5 | 5.1 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 06:26 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 74-97-5 | Bromochloromethane | ND | | ug/kg dry | 2.5 | 5.1 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 06:26 | RDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | | |
| 75-27-4 | Bromodichloromethane | ND | | ug/kg dry | 2.5 | 5.1 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 06:26 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 75-25-2 | Bromoform | ND | | ug/kg dry | 2.5 | 5.1 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 06:26 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |

## Sample Information

**Client Sample ID:** SP-4 (2-4) **York Sample ID:** 19F0828-08

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 14, 2019 12:00 am | 06/20/2019 |

**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 | 5.1 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 06:26 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 75-15-0 | Carbon disulfide | ND | | ug/kg dry | 2.5 | 5.1 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 06:26 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 56-23-5 | Carbon tetrachloride | ND | | ug/kg dry | 2.5 | 5.1 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 06:26 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 108-90-7 | Chlorobenzene | ND | | ug/kg dry | 2.5 | 5.1 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 06:26 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 75-00-3 | Chloroethane | ND | | ug/kg dry | 2.5 | 5.1 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 06:26 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 67-66-3 | Chloroform | ND | | ug/kg dry | 2.5 | 5.1 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 06:26 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 74-87-3 | Chloromethane | ND | | ug/kg dry | 2.5 | 5.1 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 06:26 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 156-59-2 | cis-1,2-Dichloroethylene | ND | | ug/kg dry | 2.5 | 5.1 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 06:26 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 10061-01-5 | cis-1,3-Dichloropropylene | ND | | ug/kg dry | 2.5 | 5.1 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 06:26 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 110-82-7 | Cyclohexane | ND | | ug/kg dry | 2.5 | 5.1 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 06:26 | RDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | | |
| 124-48-1 | Dibromochloromethane | ND | | ug/kg dry | 2.5 | 5.1 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 06:26 | RDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | | |
| 74-95-3 | Dibromomethane | ND | | ug/kg dry | 2.5 | 5.1 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 06:26 | RDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | | |
| 75-71-8 | Dichlorodifluoromethane | ND | | ug/kg dry | 2.5 | 5.1 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 06:26 | RDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | | |
| 100-41-4 | Ethyl Benzene | ND | | ug/kg dry | 2.5 | 5.1 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 06:26 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 87-68-3 | Hexachlorobutadiene | ND | | ug/kg dry | 2.5 | 5.1 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 06:26 | RDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | | |
| 98-82-8 | Isopropylbenzene | ND | | ug/kg dry | 2.5 | 5.1 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 06:26 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 79-20-9 | Methyl acetate | ND | | ug/kg dry | 2.5 | 5.1 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 06:26 | RDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | | |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | | ug/kg dry | 2.5 | 5.1 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 06:26 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 108-87-2 | Methylcyclohexane | ND | | ug/kg dry | 2.5 | 5.1 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 06:26 | RDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | | |
| 75-09-2 | Methylene chloride | ND | | ug/kg dry | 5.1 | 10 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 06:26 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 104-51-8 | n-Butylbenzene | ND | | ug/kg dry | 2.5 | 5.1 | 1 | EPA 8260C | 06/25/2019 12:30 | 06/26/2019 06:26 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |

## Sample Information

**Client Sample ID:** **SP-4 (2-4)** **York Sample ID:** **19F0828-08**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 14, 2019 12:00 am | 06/20/2019 |

**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 | 2.5 | 5.1 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 06:26 | RDS |
| 95-47-6 | o-Xylene | ND | | ug/kg dry | 2.5 | 5.1 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA | 06/25/2019 12:30 | 06/26/2019 06:26 | RDS |
| 179601-23-1 | p- & m- Xylenes | ND | | ug/kg dry | 5.1 | 10 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA | 06/25/2019 12:30 | 06/26/2019 06:26 | RDS |
| 99-87-6 | p-Isopropyltoluene | ND | | ug/kg dry | 2.5 | 5.1 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 06:26 | RDS |
| 135-98-8 | sec-Butylbenzene | ND | | ug/kg dry | 2.5 | 5.1 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 06:26 | RDS |
| 100-42-5 | Styrene | ND | | ug/kg dry | 2.5 | 5.1 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 06:26 | RDS |
| 75-65-0 | tert-Butyl alcohol (TBA) | ND | | ug/kg dry | 2.5 | 25 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 06/25/2019 12:30 | 06/26/2019 06:26 | RDS |
| 98-06-6 | tert-Butylbenzene | ND | | ug/kg dry | 2.5 | 5.1 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 06:26 | RDS |
| 127-18-4 | **Tetrachloroethylene** | **9.3** | | ug/kg dry | 2.5 | 5.1 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 06:26 | RDS |
| 108-88-3 | Toluene | ND | | ug/kg dry | 2.5 | 5.1 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 06:26 | RDS |
| 156-60-5 | trans-1,2-Dichloroethylene | ND | | ug/kg dry | 2.5 | 5.1 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 06:26 | RDS |
| 10061-02-6 | trans-1,3-Dichloropropylene | ND | | ug/kg dry | 2.5 | 5.1 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 06:26 | RDS |
| 110-57-6 | * trans-1,4-dichloro-2-butene | ND | | ug/kg dry | 2.5 | 5.1 | 1 | EPA 8260C<br>Certifications: CTDOH | 06/25/2019 12:30 | 06/26/2019 06:26 | RDS |
| 79-01-6 | Trichloroethylene | ND | | ug/kg dry | 2.5 | 5.1 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 06:26 | RDS |
| 75-69-4 | Trichlorofluoromethane | ND | | ug/kg dry | 2.5 | 5.1 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 06:26 | RDS |
| 75-01-4 | Vinyl Chloride | ND | | ug/kg dry | 2.5 | 5.1 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 06:26 | RDS |
| 1330-20-7 | Xylenes, Total | ND | | ug/kg dry | 7.6 | 15 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/25/2019 12:30 | 06/26/2019 06:26 | RDS |

| | Surrogate Recoveries | Result | Acceptance Range |
|---|---|---|---|
| 17060-07-0 | *Surrogate: SURR: 1,2-Dichloroethane-d4* | *87.7 %* | *77-125* |
| 2037-26-5 | *Surrogate: SURR: Toluene-d8* | *94.8 %* | *85-120* |
| 460-00-4 | *Surrogate: SURR: p-Bromofluorobenzene* | *102 %* | *76-130* |

## Sample Information

**Client Sample ID:** **SP-4 (2-4)** **York Sample ID:** **19F0828-08**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 14, 2019 12:00 am | 06/20/2019 |

**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 | 48.7 | 97.2 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:11 | SR |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg dry | 97.2 | 194 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:11 | SR |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | ug/kg dry | 48.7 | 97.2 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:11 | SR |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | ug/kg dry | 48.7 | 97.2 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP | 06/25/2019 14:22 | 06/26/2019 20:11 | SR |
| 122-66-7 | 1,2-Diphenylhydrazine (as Azobenzene) | ND | | ug/kg dry | 48.7 | 97.2 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:11 | SR |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | ug/kg dry | 48.7 | 97.2 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP | 06/25/2019 14:22 | 06/26/2019 20:11 | SR |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | ug/kg dry | 48.7 | 97.2 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP | 06/25/2019 14:22 | 06/26/2019 20:11 | SR |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | ND | | ug/kg dry | 97.2 | 194 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:11 | SR |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | | ug/kg dry | 48.7 | 97.2 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:11 | SR |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | | ug/kg dry | 48.7 | 97.2 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:11 | SR |
| 120-83-2 | 2,4-Dichlorophenol | ND | | ug/kg dry | 48.7 | 97.2 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:11 | SR |
| 105-67-9 | 2,4-Dimethylphenol | ND | | ug/kg dry | 48.7 | 97.2 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:11 | SR |
| 51-28-5 | 2,4-Dinitrophenol | ND | | ug/kg dry | 97.2 | 194 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:11 | SR |
| 121-14-2 | 2,4-Dinitrotoluene | ND | | ug/kg dry | 48.7 | 97.2 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:11 | SR |
| 606-20-2 | 2,6-Dinitrotoluene | ND | | ug/kg dry | 48.7 | 97.2 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:11 | SR |
| 91-58-7 | 2-Chloronaphthalene | ND | | ug/kg dry | 48.7 | 97.2 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:11 | SR |
| 95-57-8 | 2-Chlorophenol | ND | | ug/kg dry | 48.7 | 97.2 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:11 | SR |
| 91-57-6 | 2-Methylnaphthalene | ND | | ug/kg dry | 48.7 | 97.2 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:11 | SR |
| 95-48-7 | 2-Methylphenol | ND | | ug/kg dry | 48.7 | 97.2 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:11 | SR |
| 88-74-4 | 2-Nitroaniline | ND | | ug/kg dry | 97.2 | 194 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:11 | SR |
| 88-75-5 | 2-Nitrophenol | ND | | ug/kg dry | 48.7 | 97.2 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:11 | SR |

## Sample Information

**Client Sample ID:** **SP-4 (2-4)** **York Sample ID:** **19F0828-08**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 14, 2019 12:00 am | 06/20/2019 |

**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 | 48.7 | 97.2 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:11 | SR |
| 91-94-1 | 3,3-Dichlorobenzidine | ND | | ug/kg dry | 48.7 | 97.2 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:11 | SR |
| 99-09-2 | 3-Nitroaniline | ND | | ug/kg dry | 97.2 | 194 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:11 | SR |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | ND | | ug/kg dry | 97.2 | 194 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:11 | SR |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | | ug/kg dry | 48.7 | 97.2 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:11 | SR |
| 59-50-7 | 4-Chloro-3-methylphenol | ND | | ug/kg dry | 48.7 | 97.2 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:11 | SR |
| 106-47-8 | 4-Chloroaniline | ND | | ug/kg dry | 48.7 | 97.2 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:11 | SR |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | | ug/kg dry | 48.7 | 97.2 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:11 | SR |
| 100-01-6 | 4-Nitroaniline | ND | | ug/kg dry | 97.2 | 194 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:11 | SR |
| 100-02-7 | 4-Nitrophenol | ND | | ug/kg dry | 97.2 | 194 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:11 | SR |
| 83-32-9 | Acenaphthene | ND | | ug/kg dry | 48.7 | 97.2 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:11 | SR |
| 208-96-8 | Acenaphthylene | ND | | ug/kg dry | 48.7 | 97.2 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:11 | SR |
| 98-86-2 | Acetophenone | ND | | ug/kg dry | 48.7 | 97.2 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:11 | SR |
| 62-53-3 | Aniline | ND | | ug/kg dry | 195 | 389 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:11 | SR |
| 120-12-7 | Anthracene | ND | | ug/kg dry | 48.7 | 97.2 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:11 | SR |
| 1912-24-9 | Atrazine | ND | | ug/kg dry | 48.7 | 97.2 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:11 | SR |
| 100-52-7 | Benzaldehyde | ND | | ug/kg dry | 48.7 | 97.2 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:11 | SR |
| 92-87-5 | Benzidine | ND | | ug/kg dry | 195 | 389 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,PADEP | 06/25/2019 14:22 | 06/26/2019 20:11 | SR |
| 56-55-3 | Benzo(a)anthracene | ND | | ug/kg dry | 48.7 | 97.2 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:11 | SR |
| 50-32-8 | Benzo(a)pyrene | ND | | ug/kg dry | 48.7 | 97.2 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:11 | SR |
| 205-99-2 | Benzo(b)fluoranthene | ND | | ug/kg dry | 48.7 | 97.2 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:11 | SR |

## Sample Information

**Client Sample ID:** **SP-4 (2-4)** **York Sample ID:** **19F0828-08**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 14, 2019 12:00 am | 06/20/2019 |

**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 | 48.7 | 97.2 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/26/2019 20:11 | SR |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 207-08-9 | Benzo(k)fluoranthene | ND | | ug/kg dry | 48.7 | 97.2 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/26/2019 20:11 | SR |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 65-85-0 | Benzoic acid | ND | | ug/kg dry | 48.7 | 97.2 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/26/2019 20:11 | SR |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,PADEP | | |
| 100-51-6 | Benzyl alcohol | ND | | ug/kg dry | 48.7 | 97.2 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/26/2019 20:11 | SR |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,PADEP | | |
| 85-68-7 | Benzyl butyl phthalate | ND | | ug/kg dry | 48.7 | 97.2 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/26/2019 20:11 | SR |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 111-91-1 | Bis(2-chloroethoxy)methane | ND | | ug/kg dry | 48.7 | 97.2 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/26/2019 20:11 | SR |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 111-44-4 | Bis(2-chloroethyl)ether | ND | | ug/kg dry | 48.7 | 97.2 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/26/2019 20:11 | SR |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 108-60-1 | Bis(2-chloroisopropyl)ether | ND | | ug/kg dry | 48.7 | 97.2 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/26/2019 20:11 | SR |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | ND | | ug/kg dry | 48.7 | 97.2 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/26/2019 20:11 | SR |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 105-60-2 | Caprolactam | ND | | ug/kg dry | 97.2 | 194 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/26/2019 20:11 | SR |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,PADEP | | |
| 86-74-8 | Carbazole | ND | | ug/kg dry | 48.7 | 97.2 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/26/2019 20:11 | SR |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 218-01-9 | Chrysene | ND | | ug/kg dry | 48.7 | 97.2 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/26/2019 20:11 | SR |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 53-70-3 | Dibenzo(a,h)anthracene | ND | | ug/kg dry | 48.7 | 97.2 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/26/2019 20:11 | SR |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 132-64-9 | Dibenzofuran | ND | | ug/kg dry | 48.7 | 97.2 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/26/2019 20:11 | SR |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 84-66-2 | Diethyl phthalate | ND | | ug/kg dry | 48.7 | 97.2 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/26/2019 20:11 | SR |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 131-11-3 | Dimethyl phthalate | ND | | ug/kg dry | 48.7 | 97.2 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/26/2019 20:11 | SR |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 84-74-2 | Di-n-butyl phthalate | ND | | ug/kg dry | 48.7 | 97.2 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/26/2019 20:11 | SR |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 117-84-0 | Di-n-octyl phthalate | ND | | ug/kg dry | 48.7 | 97.2 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/26/2019 20:11 | SR |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 206-44-0 | Fluoranthene | ND | | ug/kg dry | 48.7 | 97.2 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/26/2019 20:11 | SR |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 86-73-7 | Fluorene | ND | | ug/kg dry | 48.7 | 97.2 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/26/2019 20:11 | SR |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,PADEP | | |
| 118-74-1 | Hexachlorobenzene | ND | | ug/kg dry | 48.7 | 97.2 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/26/2019 20:11 | SR |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |

## Sample Information

**Client Sample ID:** **SP-4 (2-4)** **York Sample ID:** **19F0828-08**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 14, 2019 12:00 am | 06/20/2019 |

### 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 | 48.7 | 97.2 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:11 | SR |
| 77-47-4 | Hexachlorocyclopentadiene | ND | | ug/kg dry | 48.7 | 97.2 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:11 | SR |
| 67-72-1 | Hexachloroethane | ND | | ug/kg dry | 48.7 | 97.2 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:11 | SR |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | ND | | ug/kg dry | 48.7 | 97.2 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:11 | SR |
| 78-59-1 | Isophorone | ND | | ug/kg dry | 48.7 | 97.2 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:11 | SR |
| 91-20-3 | Naphthalene | ND | | ug/kg dry | 48.7 | 97.2 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:11 | SR |
| 98-95-3 | Nitrobenzene | ND | | ug/kg dry | 48.7 | 97.2 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:11 | SR |
| 62-75-9 | N-Nitrosodimethylamine | ND | | ug/kg dry | 48.7 | 97.2 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:11 | SR |
| 621-64-7 | N-nitroso-di-n-propylamine | ND | | ug/kg dry | 48.7 | 97.2 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:11 | SR |
| 86-30-6 | N-Nitrosodiphenylamine | ND | | ug/kg dry | 48.7 | 97.2 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:11 | SR |
| 87-86-5 | Pentachlorophenol | ND | | ug/kg dry | 48.7 | 97.2 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:11 | SR |
| 85-01-8 | Phenanthrene | ND | | ug/kg dry | 48.7 | 97.2 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:11 | SR |
| 108-95-2 | Phenol | ND | | ug/kg dry | 48.7 | 97.2 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:11 | SR |
| 129-00-0 | Pyrene | ND | | ug/kg dry | 48.7 | 97.2 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:11 | SR |

| | Surrogate Recoveries | Result | Acceptance Range |
|---|---|---|---|
| 367-12-4 | *Surrogate: SURR: 2-Fluorophenol* | *58.1 %* | *20-108* |
| 4165-62-2 | *Surrogate: SURR: Phenol-d5* | *56.5 %* | *23-114* |
| 4165-60-0 | *Surrogate: SURR: Nitrobenzene-d5* | *59.9 %* | *22-108* |
| 321-60-8 | *Surrogate: SURR: 2-Fluorobiphenyl* | *60.7 %* | *21-113* |
| 118-79-6 | *Surrogate: SURR: 2,4,6-Tribromophenol* | *92.6 %* | *19-110* |
| 1718-51-0 | *Surrogate: SURR: Terphenyl-d14* | *66.2 %* | *24-116* |

### Pesticides, 8081 target list

**Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

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

## Sample Information

**Client Sample ID:** **SP-4 (2-4)** **York Sample ID:** **19F0828-08**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 14, 2019 12:00 am | 06/20/2019 |

**Pesticides, 8081 target list** **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 72-54-8 | 4,4'-DDD | ND | | ug/kg dry | 1.93 | 5 | EPA 8081B | 06/25/2019 14:19 | 06/26/2019 19:18 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 72-55-9 | 4,4'-DDE | ND | | ug/kg dry | 1.93 | 5 | EPA 8081B | 06/25/2019 14:19 | 06/26/2019 19:18 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 50-29-3 | 4,4'-DDT | ND | | ug/kg dry | 1.93 | 5 | EPA 8081B | 06/25/2019 14:19 | 06/26/2019 19:18 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 309-00-2 | Aldrin | ND | | ug/kg dry | 1.93 | 5 | EPA 8081B | 06/25/2019 14:19 | 06/26/2019 19:18 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 319-84-6 | alpha-BHC | ND | | ug/kg dry | 1.93 | 5 | EPA 8081B | 06/25/2019 14:19 | 06/26/2019 19:18 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 5103-71-9 | alpha-Chlordane | ND | | ug/kg dry | 1.93 | 5 | EPA 8081B | 06/25/2019 14:19 | 06/26/2019 19:18 | CM |
| | | | | | | | Certifications: | NELAC-NY10854,NJDEP | | |
| 319-85-7 | beta-BHC | ND | | ug/kg dry | 1.93 | 5 | EPA 8081B | 06/25/2019 14:19 | 06/26/2019 19:18 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 57-74-9 | Chlordane, total | ND | | ug/kg dry | 38.6 | 5 | EPA 8081B | 06/25/2019 14:19 | 06/26/2019 19:18 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 319-86-8 | delta-BHC | ND | | ug/kg dry | 1.93 | 5 | EPA 8081B | 06/25/2019 14:19 | 06/26/2019 19:18 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 60-57-1 | Dieldrin | ND | | ug/kg dry | 1.93 | 5 | EPA 8081B | 06/25/2019 14:19 | 06/26/2019 19:18 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 959-98-8 | Endosulfan I | ND | | ug/kg dry | 1.93 | 5 | EPA 8081B | 06/25/2019 14:19 | 06/26/2019 19:18 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 33213-65-9 | Endosulfan II | ND | | ug/kg dry | 1.93 | 5 | EPA 8081B | 06/25/2019 14:19 | 06/26/2019 19:18 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854 | | |
| 1031-07-8 | Endosulfan sulfate | ND | | ug/kg dry | 1.93 | 5 | EPA 8081B | 06/25/2019 14:19 | 06/26/2019 19:18 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 72-20-8 | Endrin | ND | | ug/kg dry | 1.93 | 5 | EPA 8081B | 06/25/2019 14:19 | 06/26/2019 19:18 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 7421-93-4 | Endrin aldehyde | ND | | ug/kg dry | 1.93 | 5 | EPA 8081B | 06/25/2019 14:19 | 06/26/2019 19:18 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 53494-70-5 | Endrin ketone | ND | | ug/kg dry | 1.93 | 5 | EPA 8081B | 06/25/2019 14:19 | 06/26/2019 19:18 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 58-89-9 | gamma-BHC (Lindane) | ND | | ug/kg dry | 1.93 | 5 | EPA 8081B | 06/25/2019 14:19 | 06/26/2019 19:18 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 5566-34-7 | gamma-Chlordane | ND | | ug/kg dry | 1.93 | 5 | EPA 8081B | 06/25/2019 14:19 | 06/26/2019 19:18 | CM |
| | | | | | | | Certifications: | NELAC-NY10854,NJDEP | | |
| 76-44-8 | Heptachlor | ND | | ug/kg dry | 1.93 | 5 | EPA 8081B | 06/25/2019 14:19 | 06/26/2019 19:18 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 1024-57-3 | Heptachlor epoxide | ND | | ug/kg dry | 1.93 | 5 | EPA 8081B | 06/25/2019 14:19 | 06/26/2019 19:18 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 72-43-5 | Methoxychlor | ND | | ug/kg dry | 9.64 | 5 | EPA 8081B | 06/25/2019 14:19 | 06/26/2019 19:18 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |

## Sample Information

**Client Sample ID:** **SP-4 (2-4)** **York Sample ID:** **19F0828-08**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 14, 2019 12:00 am | 06/20/2019 |

### Pesticides, 8081 target list

**Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 8001-35-2 | Toxaphene | ND | | ug/kg dry | 97.6 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 19:18 | CM |

| | Surrogate Recoveries | Result | Acceptance Range |
|---|---|---|---|
| 2051-24-3 | *Surrogate: Decachlorobiphenyl* | *71.6 %* | *30-150* |
| 877-09-8 | *Surrogate: Tetrachloro-m-xylene* | *74.2 %* | *30-150* |

### Polychlorinated Biphenyls (PCB)

**Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 12674-11-2 | Aroclor 1016 | ND | | mg/kg dry | 0.0195 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 14:15 | SR |
| 11104-28-2 | Aroclor 1221 | ND | | mg/kg dry | 0.0195 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 14:15 | SR |
| 11141-16-5 | Aroclor 1232 | ND | | mg/kg dry | 0.0195 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 14:15 | SR |
| 53469-21-9 | Aroclor 1242 | ND | | mg/kg dry | 0.0195 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 14:15 | SR |
| 12672-29-6 | Aroclor 1248 | ND | | mg/kg dry | 0.0195 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 14:15 | SR |
| 11097-69-1 | Aroclor 1254 | ND | | mg/kg dry | 0.0195 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 14:15 | SR |
| 11096-82-5 | Aroclor 1260 | ND | | mg/kg dry | 0.0195 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 14:15 | SR |
| 1336-36-3 | * Total PCBs | ND | | mg/kg dry | 0.0195 | 1 | EPA 8082A<br>Certifications: | 06/25/2019 14:19 | 06/26/2019 14:15 | SR |

| | Surrogate Recoveries | Result | Acceptance Range |
|---|---|---|---|
| 877-09-8 | *Surrogate: Tetrachloro-m-xylene* | *80.0 %* | *30-140* |
| 2051-24-3 | *Surrogate: Decachlorobiphenyl* | *61.0 %* | *30-140* |

### Metals, Target Analyte

**Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3050B

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 7429-90-5 | **Aluminum** | **10200** | | mg/kg dry | 5.86 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:41 | KML |
| 7440-36-0 | Antimony | ND | | mg/kg dry | 2.93 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:41 | KML |
| 7440-38-2 | **Arsenic** | **5.89** | | mg/kg dry | 1.76 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:41 | KML |

# Sample Information

**Client Sample ID:** **SP-4 (2-4)** **York Sample ID:** **19F0828-08**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 14, 2019 12:00 am | 06/20/2019 |

## 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 |
|---|---|---|---|---|---|---|---|---|---|---|
| 7440-39-3 | **Barium** | **110** | | mg/kg dry | 2.93 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:41 | KML |
| 7440-41-7 | **Beryllium** | **0.177** | B | mg/kg dry | 0.059 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:41 | KML |
| 7440-43-9 | Cadmium | ND | | mg/kg dry | 0.352 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:41 | KML |
| 7440-70-2 | **Calcium** | **2110** | | mg/kg dry | 5.86 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:41 | KML |
| 7440-47-3 | **Chromium** | **24.7** | | mg/kg dry | 0.586 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:41 | KML |
| 7440-48-4 | **Cobalt** | **10.2** | | mg/kg dry | 0.469 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:41 | KML |
| 7440-50-8 | **Copper** | **327** | | mg/kg dry | 2.35 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:41 | KML |
| 7439-89-6 | **Iron** | **22100** | | mg/kg dry | 29.3 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:41 | KML |
| 7439-92-1 | **Lead** | **214** | | mg/kg dry | 0.586 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:41 | KML |
| 7439-95-4 | **Magnesium** | **2560** | | mg/kg dry | 5.86 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:41 | KML |
| 7439-96-5 | **Manganese** | **223** | | mg/kg dry | 0.586 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:41 | KML |
| 7440-02-0 | **Nickel** | **17.6** | | mg/kg dry | 1.17 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:41 | KML |
| 7440-09-7 | **Potassium** | **1390** | | mg/kg dry | 5.86 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:41 | KML |
| 7782-49-2 | Selenium | ND | | mg/kg dry | 2.93 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:41 | KML |
| 7440-22-4 | Silver | ND | | mg/kg dry | 0.586 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:41 | KML |
| 7440-23-5 | **Sodium** | **137** | | mg/kg dry | 58.6 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:41 | KML |
| 7440-28-0 | Thallium | ND | | mg/kg dry | 2.93 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:41 | KML |
| 7440-62-2 | **Vanadium** | **31.4** | | mg/kg dry | 1.17 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:41 | KML |
| 7440-66-6 | **Zinc** | **116** | | mg/kg dry | 2.93 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:41 | 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** | **0.595** | | mg/kg dry | 0.0352 | 1 | EPA 7473<br>Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP | 06/21/2019 11:52 | 06/21/2019 13:34 | SY |

## Sample Information

**Client Sample ID:** **SP-4 (2-4)** **York Sample ID:** **19F0828-08**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 14, 2019 12:00 am | 06/20/2019 |

**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** | **85.3** | | % | 0.100 | 1 | SM 2540G<br>Certifications: CTDOH | 06/24/2019 14:30 | 06/24/2019 22:26 | MAO |

## Sample Information

**Client Sample ID:** **SP-5 (0-2)** **York Sample ID:** **19F0828-09**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 18, 2019 12:00 am | 06/20/2019 |

**Volatile Organics, 8260 - Comprehensive** **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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | | ug/kg dry | 3.2 | 6.3 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 12:10 | RDS |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | ug/kg dry | 3.2 | 6.3 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 12:10 | RDS |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | ug/kg dry | 3.2 | 6.3 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 12:10 | RDS |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | | ug/kg dry | 3.2 | 6.3 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 12:10 | RDS |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | ug/kg dry | 3.2 | 6.3 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 12:10 | RDS |
| 75-34-3 | 1,1-Dichloroethane | ND | | ug/kg dry | 3.2 | 6.3 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 12:10 | RDS |
| 75-35-4 | 1,1-Dichloroethylene | ND | | ug/kg dry | 3.2 | 6.3 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 12:10 | RDS |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | | ug/kg dry | 3.2 | 6.3 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 06/26/2019 07:30 | 06/26/2019 12:10 | RDS |
| 96-18-4 | 1,2,3-Trichloropropane | ND | | ug/kg dry | 3.2 | 6.3 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP | 06/26/2019 07:30 | 06/26/2019 12:10 | RDS |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | ug/kg dry | 3.2 | 6.3 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 06/26/2019 07:30 | 06/26/2019 12:10 | RDS |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | | ug/kg dry | 3.2 | 6.3 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 12:10 | RDS |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | | ug/kg dry | 3.2 | 6.3 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 12:10 | RDS |
| 106-93-4 | 1,2-Dibromoethane | ND | | ug/kg dry | 3.2 | 6.3 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 12:10 | RDS |

## Sample Information

**Client Sample ID:** **SP-5 (0-2)** **York Sample ID:** **19F0828-09**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 18, 2019 12:00 am | 06/20/2019 |

**Volatile Organics, 8260 - Comprehensive** **Log-in Notes:** VOA-CONT **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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 95-50-1 | 1,2-Dichlorobenzene | ND | | ug/kg dry | 3.2 | 6.3 | 1 | EPA 8260C | 06/26/2019 07:30 | 06/26/2019 12:10 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 107-06-2 | 1,2-Dichloroethane | ND | | ug/kg dry | 3.2 | 6.3 | 1 | EPA 8260C | 06/26/2019 07:30 | 06/26/2019 12:10 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 78-87-5 | 1,2-Dichloropropane | ND | | ug/kg dry | 3.2 | 6.3 | 1 | EPA 8260C | 06/26/2019 07:30 | 06/26/2019 12:10 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | | ug/kg dry | 3.2 | 6.3 | 1 | EPA 8260C | 06/26/2019 07:30 | 06/26/2019 12:10 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | ug/kg dry | 3.2 | 6.3 | 1 | EPA 8260C | 06/26/2019 07:30 | 06/26/2019 12:10 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | ug/kg dry | 3.2 | 6.3 | 1 | EPA 8260C | 06/26/2019 07:30 | 06/26/2019 12:10 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 123-91-1 | 1,4-Dioxane | ND | | ug/kg dry | 63 | 130 | 1 | EPA 8260C | 06/26/2019 07:30 | 06/26/2019 12:10 | RDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | | |
| 78-93-3 | 2-Butanone | ND | | ug/kg dry | 3.2 | 6.3 | 1 | EPA 8260C | 06/26/2019 07:30 | 06/26/2019 12:10 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 591-78-6 | 2-Hexanone | ND | | ug/kg dry | 3.2 | 6.3 | 1 | EPA 8260C | 06/26/2019 07:30 | 06/26/2019 12:10 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 108-10-1 | 4-Methyl-2-pentanone | ND | | ug/kg dry | 3.2 | 6.3 | 1 | EPA 8260C | 06/26/2019 07:30 | 06/26/2019 12:10 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 67-64-1 | Acetone | ND | | ug/kg dry | 6.3 | 13 | 1 | EPA 8260C | 06/26/2019 07:30 | 06/26/2019 12:10 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 107-02-8 | Acrolein | ND | | ug/kg dry | 6.3 | 13 | 1 | EPA 8260C | 06/26/2019 07:30 | 06/26/2019 12:10 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 107-13-1 | Acrylonitrile | ND | | ug/kg dry | 3.2 | 6.3 | 1 | EPA 8260C | 06/26/2019 07:30 | 06/26/2019 12:10 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 71-43-2 | Benzene | ND | | ug/kg dry | 3.2 | 6.3 | 1 | EPA 8260C | 06/26/2019 07:30 | 06/26/2019 12:10 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 74-97-5 | Bromochloromethane | ND | | ug/kg dry | 3.2 | 6.3 | 1 | EPA 8260C | 06/26/2019 07:30 | 06/26/2019 12:10 | RDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | | |
| 75-27-4 | Bromodichloromethane | ND | | ug/kg dry | 3.2 | 6.3 | 1 | EPA 8260C | 06/26/2019 07:30 | 06/26/2019 12:10 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 75-25-2 | Bromoform | ND | | ug/kg dry | 3.2 | 6.3 | 1 | EPA 8260C | 06/26/2019 07:30 | 06/26/2019 12:10 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 74-83-9 | Bromomethane | ND | | ug/kg dry | 3.2 | 6.3 | 1 | EPA 8260C | 06/26/2019 07:30 | 06/26/2019 12:10 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 75-15-0 | Carbon disulfide | ND | | ug/kg dry | 3.2 | 6.3 | 1 | EPA 8260C | 06/26/2019 07:30 | 06/26/2019 12:10 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 56-23-5 | Carbon tetrachloride | ND | | ug/kg dry | 3.2 | 6.3 | 1 | EPA 8260C | 06/26/2019 07:30 | 06/26/2019 12:10 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 108-90-7 | Chlorobenzene | ND | | ug/kg dry | 3.2 | 6.3 | 1 | EPA 8260C | 06/26/2019 07:30 | 06/26/2019 12:10 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |

## Sample Information

**Client Sample ID:** **SP-5 (0-2)** **York Sample ID:** **19F0828-09**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 18, 2019 12:00 am | 06/20/2019 |

**Volatile Organics, 8260 - Comprehensive** **Log-in Notes:** VOA-CONT **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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 75-00-3 | Chloroethane | ND | | ug/kg dry | 3.2 | 6.3 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 12:10 | RDS |
| 67-66-3 | Chloroform | ND | | ug/kg dry | 3.2 | 6.3 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 12:10 | RDS |
| 74-87-3 | Chloromethane | ND | | ug/kg dry | 3.2 | 6.3 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 12:10 | RDS |
| 156-59-2 | cis-1,2-Dichloroethylene | ND | | ug/kg dry | 3.2 | 6.3 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 12:10 | RDS |
| 10061-01-5 | cis-1,3-Dichloropropylene | ND | | ug/kg dry | 3.2 | 6.3 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 12:10 | RDS |
| 110-82-7 | Cyclohexane | ND | | ug/kg dry | 3.2 | 6.3 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 06/26/2019 07:30 | 06/26/2019 12:10 | RDS |
| 124-48-1 | Dibromochloromethane | ND | | ug/kg dry | 3.2 | 6.3 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 06/26/2019 07:30 | 06/26/2019 12:10 | RDS |
| 74-95-3 | Dibromomethane | ND | | ug/kg dry | 3.2 | 6.3 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 06/26/2019 07:30 | 06/26/2019 12:10 | RDS |
| 75-71-8 | Dichlorodifluoromethane | ND | | ug/kg dry | 3.2 | 6.3 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 06/26/2019 07:30 | 06/26/2019 12:10 | RDS |
| 100-41-4 | Ethyl Benzene | ND | | ug/kg dry | 3.2 | 6.3 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 12:10 | RDS |
| 87-68-3 | Hexachlorobutadiene | ND | | ug/kg dry | 3.2 | 6.3 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 06/26/2019 07:30 | 06/26/2019 12:10 | RDS |
| 98-82-8 | Isopropylbenzene | ND | | ug/kg dry | 3.2 | 6.3 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 12:10 | RDS |
| 79-20-9 | Methyl acetate | ND | | ug/kg dry | 3.2 | 6.3 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 06/26/2019 07:30 | 06/26/2019 12:10 | RDS |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | | ug/kg dry | 3.2 | 6.3 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 12:10 | RDS |
| 108-87-2 | Methylcyclohexane | ND | | ug/kg dry | 3.2 | 6.3 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 06/26/2019 07:30 | 06/26/2019 12:10 | RDS |
| 75-09-2 | **Methylene chloride** | **8.9** | J | ug/kg dry | 6.3 | 13 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 12:10 | RDS |
| 104-51-8 | n-Butylbenzene | ND | | ug/kg dry | 3.2 | 6.3 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 12:10 | RDS |
| 103-65-1 | n-Propylbenzene | ND | | ug/kg dry | 3.2 | 6.3 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 12:10 | RDS |
| 95-47-6 | o-Xylene | ND | | ug/kg dry | 3.2 | 6.3 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA | 06/26/2019 07:30 | 06/26/2019 12:10 | RDS |
| 179601-23-1 | p- & m- Xylenes | ND | | ug/kg dry | 6.3 | 13 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA | 06/26/2019 07:30 | 06/26/2019 12:10 | RDS |
| 99-87-6 | p-Isopropyltoluene | ND | | ug/kg dry | 3.2 | 6.3 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 12:10 | RDS |

## Sample Information

**Client Sample ID:** **SP-5 (0-2)** **York Sample ID:** **19F0828-09**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 18, 2019 12:00 am | 06/20/2019 |

### Volatile Organics, 8260 - Comprehensive

**Log-in Notes:** VOA-CONT **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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 135-98-8 | sec-Butylbenzene | ND | | ug/kg dry | 3.2 | 6.3 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 12:10 | RDS |
| 100-42-5 | Styrene | ND | | ug/kg dry | 3.2 | 6.3 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 12:10 | RDS |
| 75-65-0 | tert-Butyl alcohol (TBA) | ND | | ug/kg dry | 3.2 | 32 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 06/26/2019 07:30 | 06/26/2019 12:10 | RDS |
| 98-06-6 | tert-Butylbenzene | ND | | ug/kg dry | 3.2 | 6.3 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 12:10 | RDS |
| 127-18-4 | Tetrachloroethylene | ND | | ug/kg dry | 3.2 | 6.3 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 12:10 | RDS |
| 108-88-3 | Toluene | ND | | ug/kg dry | 3.2 | 6.3 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 12:10 | RDS |
| 156-60-5 | trans-1,2-Dichloroethylene | ND | | ug/kg dry | 3.2 | 6.3 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 12:10 | RDS |
| 10061-02-6 | trans-1,3-Dichloropropylene | ND | | ug/kg dry | 3.2 | 6.3 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 12:10 | RDS |
| 110-57-6 | * trans-1,4-dichloro-2-butene | ND | | ug/kg dry | 3.2 | 6.3 | 1 | EPA 8260C<br>Certifications: CTDOH | 06/26/2019 07:30 | 06/26/2019 12:10 | RDS |
| 79-01-6 | Trichloroethylene | ND | | ug/kg dry | 3.2 | 6.3 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 12:10 | RDS |
| 75-69-4 | Trichlorofluoromethane | ND | | ug/kg dry | 3.2 | 6.3 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 12:10 | RDS |
| 75-01-4 | Vinyl Chloride | ND | | ug/kg dry | 3.2 | 6.3 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 12:10 | RDS |
| 1330-20-7 | Xylenes, Total | ND | | ug/kg dry | 9.5 | 19 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 12:10 | RDS |

| | Surrogate Recoveries | Result | Acceptance Range |
|---|---|---|---|
| 17060-07-0 | *Surrogate: SURR: 1,2-Dichloroethane-d4* | *104 %* | *77-125* |
| 2037-26-5 | *Surrogate: SURR: Toluene-d8* | *96.6 %* | *85-120* |
| 460-00-4 | *Surrogate: SURR: p-Bromofluorobenzene* | *109 %* | *76-130* |

### Semi-Volatiles, 8270 - Comprehensive

**Log-in Notes:** VOA-CONT **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 | 52.2 | 104 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/27/2019 10:04 | SR |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg dry | 104 | 208 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/27/2019 10:04 | SR |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | ug/kg dry | 52.2 | 104 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/27/2019 10:04 | SR |

## Sample Information

**Client Sample ID:** **SP-5 (0-2)** **York Sample ID:** **19F0828-09**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 18, 2019 12:00 am | 06/20/2019 |

**Semi-Volatiles, 8270 - Comprehensive** **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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 95-50-1 | 1,2-Dichlorobenzene | ND | | ug/kg dry | 52.2 | 104 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP | 06/25/2019 14:22 | 06/27/2019 10:04 | SR |
| 122-66-7 | 1,2-Diphenylhydrazine (as Azobenzene) | ND | | ug/kg dry | 52.2 | 104 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/27/2019 10:04 | SR |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | ug/kg dry | 52.2 | 104 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP | 06/25/2019 14:22 | 06/27/2019 10:04 | SR |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | ug/kg dry | 52.2 | 104 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP | 06/25/2019 14:22 | 06/27/2019 10:04 | SR |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | ND | | ug/kg dry | 104 | 208 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/27/2019 10:04 | SR |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | | ug/kg dry | 52.2 | 104 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/27/2019 10:04 | SR |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | | ug/kg dry | 52.2 | 104 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/27/2019 10:04 | SR |
| 120-83-2 | 2,4-Dichlorophenol | ND | | ug/kg dry | 52.2 | 104 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/27/2019 10:04 | SR |
| 105-67-9 | 2,4-Dimethylphenol | ND | | ug/kg dry | 52.2 | 104 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/27/2019 10:04 | SR |
| 51-28-5 | 2,4-Dinitrophenol | ND | | ug/kg dry | 104 | 208 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/27/2019 10:04 | SR |
| 121-14-2 | 2,4-Dinitrotoluene | ND | | ug/kg dry | 52.2 | 104 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/27/2019 10:04 | SR |
| 606-20-2 | 2,6-Dinitrotoluene | ND | | ug/kg dry | 52.2 | 104 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/27/2019 10:04 | SR |
| 91-58-7 | 2-Chloronaphthalene | ND | | ug/kg dry | 52.2 | 104 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/27/2019 10:04 | SR |
| 95-57-8 | 2-Chlorophenol | ND | | ug/kg dry | 52.2 | 104 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/27/2019 10:04 | SR |
| 91-57-6 | 2-Methylnaphthalene | ND | | ug/kg dry | 52.2 | 104 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/27/2019 10:04 | SR |
| 95-48-7 | 2-Methylphenol | ND | | ug/kg dry | 52.2 | 104 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/27/2019 10:04 | SR |
| 88-74-4 | 2-Nitroaniline | ND | | ug/kg dry | 104 | 208 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/27/2019 10:04 | SR |
| 88-75-5 | 2-Nitrophenol | ND | | ug/kg dry | 52.2 | 104 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/27/2019 10:04 | SR |
| 65794-96-9 | 3- & 4-Methylphenols | ND | | ug/kg dry | 52.2 | 104 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/27/2019 10:04 | SR |
| 91-94-1 | 3,3-Dichlorobenzidine | ND | | ug/kg dry | 52.2 | 104 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/27/2019 10:04 | SR |
| 99-09-2 | 3-Nitroaniline | ND | | ug/kg dry | 104 | 208 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/27/2019 10:04 | SR |

## Sample Information

**Client Sample ID:** **SP-5 (0-2)** **York Sample ID:** **19F0828-09**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 18, 2019 12:00 am | 06/20/2019 |

**Semi-Volatiles, 8270 - Comprehensive** **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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 534-52-1 | 4,6-Dinitro-2-methylphenol | ND | | ug/kg dry | 104 | 208 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/27/2019 10:04 | SR |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | | ug/kg dry | 52.2 | 104 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/27/2019 10:04 | SR |
| 59-50-7 | 4-Chloro-3-methylphenol | ND | | ug/kg dry | 52.2 | 104 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/27/2019 10:04 | SR |
| 106-47-8 | 4-Chloroaniline | ND | | ug/kg dry | 52.2 | 104 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/27/2019 10:04 | SR |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | | ug/kg dry | 52.2 | 104 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/27/2019 10:04 | SR |
| 100-01-6 | 4-Nitroaniline | ND | | ug/kg dry | 104 | 208 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/27/2019 10:04 | SR |
| 100-02-7 | 4-Nitrophenol | ND | | ug/kg dry | 104 | 208 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/27/2019 10:04 | SR |
| 83-32-9 | Acenaphthene | ND | | ug/kg dry | 52.2 | 104 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/27/2019 10:04 | SR |
| 208-96-8 | Acenaphthylene | ND | | ug/kg dry | 52.2 | 104 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/27/2019 10:04 | SR |
| 98-86-2 | Acetophenone | ND | | ug/kg dry | 52.2 | 104 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/27/2019 10:04 | SR |
| 62-53-3 | Aniline | ND | | ug/kg dry | 208 | 417 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/27/2019 10:04 | SR |
| 120-12-7 | Anthracene | ND | | ug/kg dry | 52.2 | 104 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/27/2019 10:04 | SR |
| 1912-24-9 | Atrazine | ND | | ug/kg dry | 52.2 | 104 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/27/2019 10:04 | SR |
| 100-52-7 | Benzaldehyde | ND | | ug/kg dry | 52.2 | 104 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/27/2019 10:04 | SR |
| 92-87-5 | Benzidine | ND | | ug/kg dry | 208 | 417 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,PADEP | 06/25/2019 14:22 | 06/27/2019 10:04 | SR |
| 56-55-3 | Benzo(a)anthracene | ND | | ug/kg dry | 52.2 | 104 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/27/2019 10:04 | SR |
| 50-32-8 | Benzo(a)pyrene | ND | | ug/kg dry | 52.2 | 104 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/27/2019 10:04 | SR |
| 205-99-2 | Benzo(b)fluoranthene | ND | | ug/kg dry | 52.2 | 104 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/27/2019 10:04 | SR |
| 191-24-2 | Benzo(g,h,i)perylene | ND | | ug/kg dry | 52.2 | 104 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/27/2019 10:04 | SR |
| 207-08-9 | Benzo(k)fluoranthene | ND | | ug/kg dry | 52.2 | 104 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/27/2019 10:04 | SR |
| 65-85-0 | Benzoic acid | ND | | ug/kg dry | 52.2 | 104 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/27/2019 10:04 | SR |

## Sample Information

**Client Sample ID:** **SP-5 (0-2)** **York Sample ID:** **19F0828-09**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 18, 2019 12:00 am | 06/20/2019 |

**Semi-Volatiles, 8270 - Comprehensive** **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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 100-51-6 | Benzyl alcohol | ND | | ug/kg dry | 52.2 | 104 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/27/2019 10:04 | SR |
| 85-68-7 | Benzyl butyl phthalate | ND | | ug/kg dry | 52.2 | 104 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/27/2019 10:04 | SR |
| 111-91-1 | Bis(2-chloroethoxy)methane | ND | | ug/kg dry | 52.2 | 104 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/27/2019 10:04 | SR |
| 111-44-4 | Bis(2-chloroethyl)ether | ND | | ug/kg dry | 52.2 | 104 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/27/2019 10:04 | SR |
| 108-60-1 | Bis(2-chloroisopropyl)ether | ND | | ug/kg dry | 52.2 | 104 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/27/2019 10:04 | SR |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | ND | | ug/kg dry | 52.2 | 104 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/27/2019 10:04 | SR |
| 105-60-2 | Caprolactam | ND | | ug/kg dry | 104 | 208 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/27/2019 10:04 | SR |
| 86-74-8 | Carbazole | ND | | ug/kg dry | 52.2 | 104 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/27/2019 10:04 | SR |
| 218-01-9 | Chrysene | ND | | ug/kg dry | 52.2 | 104 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/27/2019 10:04 | SR |
| 53-70-3 | Dibenzo(a,h)anthracene | ND | | ug/kg dry | 52.2 | 104 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/27/2019 10:04 | SR |
| 132-64-9 | Dibenzofuran | ND | | ug/kg dry | 52.2 | 104 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/27/2019 10:04 | SR |
| 84-66-2 | Diethyl phthalate | ND | | ug/kg dry | 52.2 | 104 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/27/2019 10:04 | SR |
| 131-11-3 | Dimethyl phthalate | ND | | ug/kg dry | 52.2 | 104 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/27/2019 10:04 | SR |
| 84-74-2 | Di-n-butyl phthalate | ND | | ug/kg dry | 52.2 | 104 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/27/2019 10:04 | SR |
| 117-84-0 | Di-n-octyl phthalate | ND | | ug/kg dry | 52.2 | 104 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/27/2019 10:04 | SR |
| 206-44-0 | Fluoranthene | ND | | ug/kg dry | 52.2 | 104 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/27/2019 10:04 | SR |
| 86-73-7 | Fluorene | ND | | ug/kg dry | 52.2 | 104 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/27/2019 10:04 | SR |
| 118-74-1 | Hexachlorobenzene | ND | | ug/kg dry | 52.2 | 104 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/27/2019 10:04 | SR |
| 87-68-3 | Hexachlorobutadiene | ND | | ug/kg dry | 52.2 | 104 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/27/2019 10:04 | SR |
| 77-47-4 | Hexachlorocyclopentadiene | ND | | ug/kg dry | 52.2 | 104 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/27/2019 10:04 | SR |
| 67-72-1 | Hexachloroethane | ND | | ug/kg dry | 52.2 | 104 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/27/2019 10:04 | SR |

## Sample Information

**Client Sample ID:** **SP-5 (0-2)** **York Sample ID:** **19F0828-09**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 18, 2019 12:00 am | 06/20/2019 |

### Semi-Volatiles, 8270 - Comprehensive

**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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 193-39-5 | Indeno(1,2,3-cd)pyrene | ND | | ug/kg dry | 52.2 | 104 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/27/2019 10:04 | SR |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 78-59-1 | Isophorone | ND | | ug/kg dry | 52.2 | 104 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/27/2019 10:04 | SR |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 91-20-3 | Naphthalene | ND | | ug/kg dry | 52.2 | 104 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/27/2019 10:04 | SR |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 98-95-3 | Nitrobenzene | ND | | ug/kg dry | 52.2 | 104 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/27/2019 10:04 | SR |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 62-75-9 | N-Nitrosodimethylamine | ND | | ug/kg dry | 52.2 | 104 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/27/2019 10:04 | SR |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 621-64-7 | N-nitroso-di-n-propylamine | ND | | ug/kg dry | 52.2 | 104 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/27/2019 10:04 | SR |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 86-30-6 | N-Nitrosodiphenylamine | ND | | ug/kg dry | 52.2 | 104 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/27/2019 10:04 | SR |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 87-86-5 | Pentachlorophenol | ND | | ug/kg dry | 52.2 | 104 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/27/2019 10:04 | SR |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 85-01-8 | Phenanthrene | ND | | ug/kg dry | 52.2 | 104 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/27/2019 10:04 | SR |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 108-95-2 | Phenol | ND | | ug/kg dry | 52.2 | 104 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/27/2019 10:04 | SR |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 129-00-0 | Pyrene | ND | | ug/kg dry | 52.2 | 104 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/27/2019 10:04 | SR |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |

| | Surrogate Recoveries | Result | Acceptance Range |
|---|---|---|---|
| 367-12-4 | *Surrogate: SURR: 2-Fluorophenol* | *57.9 %* | *20-108* |
| 4165-62-2 | *Surrogate: SURR: Phenol-d5* | *57.6 %* | *23-114* |
| 4165-60-0 | *Surrogate: SURR: Nitrobenzene-d5* | *61.8 %* | *22-108* |
| 321-60-8 | *Surrogate: SURR: 2-Fluorobiphenyl* | *60.6 %* | *21-113* |
| 118-79-6 | *Surrogate: SURR: 2,4,6-Tribromophenol* | *90.1 %* | *19-110* |
| 1718-51-0 | *Surrogate: SURR: Terphenyl-d14* | *70.0 %* | *24-116* |

### Pesticides, 8081 target list

**Log-in Notes:** VOA-CON T **Sample Notes:**

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 72-54-8 | 4,4'-DDD | ND | | ug/kg dry | 2.07 | 5 | EPA 8081B | 06/25/2019 14:19 | 06/26/2019 19:33 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 72-55-9 | 4,4'-DDE | ND | | ug/kg dry | 2.07 | 5 | EPA 8081B | 06/25/2019 14:19 | 06/26/2019 19:33 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 50-29-3 | 4,4'-DDT | ND | | ug/kg dry | 2.07 | 5 | EPA 8081B | 06/25/2019 14:19 | 06/26/2019 19:33 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |

## Sample Information

**Client Sample ID:** **SP-5 (0-2)** **York Sample ID:** **19F0828-09**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 18, 2019 12:00 am | 06/20/2019 |

**Pesticides, 8081 target list**

Sample Prepared by Method: EPA 3550C

**Log-in Notes:** VOA-CON T **Sample Notes:**

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 309-00-2 | Aldrin | ND | | ug/kg dry | 2.07 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 19:33 | CM |
| 319-84-6 | alpha-BHC | ND | | ug/kg dry | 2.07 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 19:33 | CM |
| 5103-71-9 | alpha-Chlordane | ND | | ug/kg dry | 2.07 | 5 | EPA 8081B<br>Certifications: NELAC-NY10854,NJDEP | 06/25/2019 14:19 | 06/26/2019 19:33 | CM |
| 319-85-7 | beta-BHC | ND | | ug/kg dry | 2.07 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 19:33 | CM |
| 57-74-9 | Chlordane, total | ND | | ug/kg dry | 41.5 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 19:33 | CM |
| 319-86-8 | delta-BHC | ND | | ug/kg dry | 2.07 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 19:33 | CM |
| 60-57-1 | Dieldrin | ND | | ug/kg dry | 2.07 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 19:33 | CM |
| 959-98-8 | Endosulfan I | ND | | ug/kg dry | 2.07 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 19:33 | CM |
| 33213-65-9 | Endosulfan II | ND | | ug/kg dry | 2.07 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854 | 06/25/2019 14:19 | 06/26/2019 19:33 | CM |
| 1031-07-8 | Endosulfan sulfate | ND | | ug/kg dry | 2.07 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 19:33 | CM |
| 72-20-8 | Endrin | ND | | ug/kg dry | 2.07 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 19:33 | CM |
| 7421-93-4 | Endrin aldehyde | ND | | ug/kg dry | 2.07 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 19:33 | CM |
| 53494-70-5 | Endrin ketone | ND | | ug/kg dry | 2.07 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 19:33 | CM |
| 58-89-9 | gamma-BHC (Lindane) | ND | | ug/kg dry | 2.07 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 19:33 | CM |
| 5566-34-7 | gamma-Chlordane | ND | | ug/kg dry | 2.07 | 5 | EPA 8081B<br>Certifications: NELAC-NY10854,NJDEP | 06/25/2019 14:19 | 06/26/2019 19:33 | CM |
| 76-44-8 | Heptachlor | ND | | ug/kg dry | 2.07 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 19:33 | CM |
| 1024-57-3 | Heptachlor epoxide | ND | | ug/kg dry | 2.07 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 19:33 | CM |
| 72-43-5 | Methoxychlor | ND | | ug/kg dry | 10.4 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 19:33 | CM |
| 8001-35-2 | Toxaphene | ND | | ug/kg dry | 105 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 19:33 | CM |

| | Surrogate Recoveries | Result | Acceptance Range |
|---|---|---|---|
| 2051-24-3 | *Surrogate: Decachlorobiphenyl* | *87.4 %* | *30-150* |
| 877-09-8 | *Surrogate: Tetrachloro-m-xylene* | *74.6 %* | *30-150* |

## Sample Information

**Client Sample ID:** **SP-5 (0-2)** **York Sample ID:** **19F0828-09**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 18, 2019 12:00 am | 06/20/2019 |

### Polychlorinated Biphenyls (PCB)

**Log-in Notes:** VOA-CON T **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 | 0.0209 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 14:29 | SR |
| 11104-28-2 | Aroclor 1221 | ND | | mg/kg dry | 0.0209 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 14:29 | SR |
| 11141-16-5 | Aroclor 1232 | ND | | mg/kg dry | 0.0209 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 14:29 | SR |
| 53469-21-9 | Aroclor 1242 | ND | | mg/kg dry | 0.0209 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 14:29 | SR |
| 12672-29-6 | Aroclor 1248 | ND | | mg/kg dry | 0.0209 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 14:29 | SR |
| 11097-69-1 | Aroclor 1254 | ND | | mg/kg dry | 0.0209 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 14:29 | SR |
| 11096-82-5 | Aroclor 1260 | ND | | mg/kg dry | 0.0209 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 14:29 | SR |
| 1336-36-3 | * Total PCBs | ND | | mg/kg dry | 0.0209 | 1 | EPA 8082A<br>Certifications: | 06/25/2019 14:19 | 06/26/2019 14:29 | SR |

| | Surrogate Recoveries | Result | Acceptance Range |
|---|---|---|---|
| 877-09-8 | *Surrogate: Tetrachloro-m-xylene* | *77.5 %* | *30-140* |
| 2051-24-3 | *Surrogate: Decachlorobiphenyl* | *64.0 %* | *30-140* |

### Metals, Target Analyte

**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 |
|---|---|---|---|---|---|---|---|---|---|---|
| 7429-90-5 | **Aluminum** | **10900** | | mg/kg dry | 6.30 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:43 | KML |
| 7440-36-0 | Antimony | ND | | mg/kg dry | 3.15 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:43 | KML |
| 7440-38-2 | **Arsenic** | **2.44** | | mg/kg dry | 1.89 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:43 | KML |
| 7440-39-3 | **Barium** | **75.4** | | mg/kg dry | 3.15 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:43 | KML |
| 7440-41-7 | **Beryllium** | **0.440** | B | mg/kg dry | 0.063 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:43 | KML |
| 7440-43-9 | **Cadmium** | **0.424** | | mg/kg dry | 0.378 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:43 | KML |
| 7440-70-2 | **Calcium** | **1440** | | mg/kg dry | 6.30 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:43 | KML |
| 7440-47-3 | **Chromium** | **17.8** | | mg/kg dry | 0.630 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:43 | KML |
| 7440-48-4 | **Cobalt** | **5.86** | | mg/kg dry | 0.504 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:43 | KML |

## Sample Information

**Client Sample ID:** **SP-5 (0-2)** **York Sample ID:** **19F0828-09**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 18, 2019 12:00 am | 06/20/2019 |

### Metals, Target Analyte

**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 |
|---|---|---|---|---|---|---|---|---|---|---|
| 7440-50-8 | **Copper** | **21.2** | | mg/kg dry | 2.52 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:43 | KML |
| 7439-89-6 | **Iron** | **51600** | | mg/kg dry | 31.5 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:43 | KML |
| 7439-92-1 | **Lead** | **6.04** | | mg/kg dry | 0.630 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:43 | KML |
| 7439-95-4 | **Magnesium** | **2760** | | mg/kg dry | 6.30 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:43 | KML |
| 7439-96-5 | **Manganese** | **414** | | mg/kg dry | 0.630 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:43 | KML |
| 7440-02-0 | **Nickel** | **16.3** | | mg/kg dry | 1.26 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:43 | KML |
| 7440-09-7 | **Potassium** | **1220** | | mg/kg dry | 6.30 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:43 | KML |
| 7782-49-2 | Selenium | ND | | mg/kg dry | 3.15 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:43 | KML |
| 7440-22-4 | Silver | ND | | mg/kg dry | 0.630 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:43 | KML |
| 7440-23-5 | **Sodium** | **799** | | mg/kg dry | 63.0 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:43 | KML |
| 7440-28-0 | Thallium | ND | | mg/kg dry | 3.15 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:43 | KML |
| 7440-62-2 | **Vanadium** | **15.2** | | mg/kg dry | 1.26 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:43 | KML |
| 7440-66-6 | **Zinc** | **54.0** | | mg/kg dry | 3.15 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:43 | 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 | ND | | mg/kg dry | 0.0378 | 1 | EPA 7473<br>Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP | 06/21/2019 11:52 | 06/21/2019 14:47 | 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** | **79.3** | | % | 0.100 | 1 | SM 2540G<br>Certifications: CTDOH | 06/24/2019 14:30 | 06/24/2019 22:26 | MAO |

## Sample Information

**Client Sample ID:** **SP-5 (2-4)** **York Sample ID:** **19F0828-10**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 18, 2019 12:00 am | 06/20/2019 |

**Volatile Organics, 8260 - Comprehensive**

**Log-in Notes:** VOA-CONT

**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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | | ug/kg dry | 3.2 | 6.4 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 12:38 | RDS |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | ug/kg dry | 3.2 | 6.4 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 12:38 | RDS |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | ug/kg dry | 3.2 | 6.4 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 12:38 | RDS |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | | ug/kg dry | 3.2 | 6.4 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 12:38 | RDS |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | ug/kg dry | 3.2 | 6.4 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 12:38 | RDS |
| 75-34-3 | 1,1-Dichloroethane | ND | | ug/kg dry | 3.2 | 6.4 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 12:38 | RDS |
| 75-35-4 | 1,1-Dichloroethylene | ND | | ug/kg dry | 3.2 | 6.4 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 12:38 | RDS |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | | ug/kg dry | 3.2 | 6.4 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 06/26/2019 07:30 | 06/26/2019 12:38 | RDS |
| 96-18-4 | 1,2,3-Trichloropropane | ND | | ug/kg dry | 3.2 | 6.4 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP | 06/26/2019 07:30 | 06/26/2019 12:38 | RDS |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | ug/kg dry | 3.2 | 6.4 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 06/26/2019 07:30 | 06/26/2019 12:38 | RDS |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | | ug/kg dry | 3.2 | 6.4 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 12:38 | RDS |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | | ug/kg dry | 3.2 | 6.4 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 12:38 | RDS |
| 106-93-4 | 1,2-Dibromoethane | ND | | ug/kg dry | 3.2 | 6.4 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 12:38 | RDS |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | ug/kg dry | 3.2 | 6.4 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 12:38 | RDS |
| 107-06-2 | 1,2-Dichloroethane | ND | | ug/kg dry | 3.2 | 6.4 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 12:38 | RDS |
| 78-87-5 | 1,2-Dichloropropane | ND | | ug/kg dry | 3.2 | 6.4 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 12:38 | RDS |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | | ug/kg dry | 3.2 | 6.4 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 12:38 | RDS |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | ug/kg dry | 3.2 | 6.4 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 12:38 | RDS |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | ug/kg dry | 3.2 | 6.4 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 12:38 | RDS |
| 123-91-1 | 1,4-Dioxane | ND | | ug/kg dry | 64 | 130 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 06/26/2019 07:30 | 06/26/2019 12:38 | RDS |
| 78-93-3 | 2-Butanone | ND | | ug/kg dry | 3.2 | 6.4 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 12:38 | RDS |

## Sample Information

**Client Sample ID:** **SP-5 (2-4)** **York Sample ID:** **19F0828-10**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 18, 2019 12:00 am | 06/20/2019 |

**Volatile Organics, 8260 - Comprehensive**

**Log-in Notes:** VOA-CONT **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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 591-78-6 | 2-Hexanone | ND | | ug/kg dry | 3.2 | 6.4 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 12:38 | RDS |
| 108-10-1 | 4-Methyl-2-pentanone | ND | | ug/kg dry | 3.2 | 6.4 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 12:38 | RDS |
| 67-64-1 | **Acetone** | **12** | J | ug/kg dry | 6.4 | 13 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 12:38 | RDS |
| 107-02-8 | Acrolein | ND | | ug/kg dry | 6.4 | 13 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 12:38 | RDS |
| 107-13-1 | Acrylonitrile | ND | | ug/kg dry | 3.2 | 6.4 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 12:38 | RDS |
| 71-43-2 | Benzene | ND | | ug/kg dry | 3.2 | 6.4 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 12:38 | RDS |
| 74-97-5 | Bromochloromethane | ND | | ug/kg dry | 3.2 | 6.4 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 06/26/2019 07:30 | 06/26/2019 12:38 | RDS |
| 75-27-4 | Bromodichloromethane | ND | | ug/kg dry | 3.2 | 6.4 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 12:38 | RDS |
| 75-25-2 | Bromoform | ND | | ug/kg dry | 3.2 | 6.4 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 12:38 | RDS |
| 74-83-9 | Bromomethane | ND | | ug/kg dry | 3.2 | 6.4 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 12:38 | RDS |
| 75-15-0 | Carbon disulfide | ND | | ug/kg dry | 3.2 | 6.4 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 12:38 | RDS |
| 56-23-5 | Carbon tetrachloride | ND | | ug/kg dry | 3.2 | 6.4 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 12:38 | RDS |
| 108-90-7 | Chlorobenzene | ND | | ug/kg dry | 3.2 | 6.4 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 12:38 | RDS |
| 75-00-3 | Chloroethane | ND | | ug/kg dry | 3.2 | 6.4 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 12:38 | RDS |
| 67-66-3 | Chloroform | ND | | ug/kg dry | 3.2 | 6.4 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 12:38 | RDS |
| 74-87-3 | Chloromethane | ND | | ug/kg dry | 3.2 | 6.4 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 12:38 | RDS |
| 156-59-2 | **cis-1,2-Dichloroethylene** | **210** | | ug/kg dry | 3.2 | 6.4 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 12:38 | RDS |
| 10061-01-5 | cis-1,3-Dichloropropylene | ND | | ug/kg dry | 3.2 | 6.4 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 12:38 | RDS |
| 110-82-7 | Cyclohexane | ND | | ug/kg dry | 3.2 | 6.4 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 06/26/2019 07:30 | 06/26/2019 12:38 | RDS |
| 124-48-1 | Dibromochloromethane | ND | | ug/kg dry | 3.2 | 6.4 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 06/26/2019 07:30 | 06/26/2019 12:38 | RDS |
| 74-95-3 | Dibromomethane | ND | | ug/kg dry | 3.2 | 6.4 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 06/26/2019 07:30 | 06/26/2019 12:38 | RDS |
| 75-71-8 | Dichlorodifluoromethane | ND | | ug/kg dry | 3.2 | 6.4 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 06/26/2019 07:30 | 06/26/2019 12:38 | RDS |

## Sample Information

**Client Sample ID:** **SP-5 (2-4)** **York Sample ID:** **19F0828-10**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 18, 2019 12:00 am | 06/20/2019 |

**Volatile Organics, 8260 - Comprehensive** **Log-in Notes:** VOA-CONT **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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 100-41-4 | Ethyl Benzene | ND | | ug/kg dry | 3.2 | 6.4 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 12:38 | RDS |
| 87-68-3 | Hexachlorobutadiene | ND | | ug/kg dry | 3.2 | 6.4 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 06/26/2019 07:30 | 06/26/2019 12:38 | RDS |
| 98-82-8 | Isopropylbenzene | ND | | ug/kg dry | 3.2 | 6.4 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 12:38 | RDS |
| 79-20-9 | Methyl acetate | ND | | ug/kg dry | 3.2 | 6.4 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 06/26/2019 07:30 | 06/26/2019 12:38 | RDS |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | | ug/kg dry | 3.2 | 6.4 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 12:38 | RDS |
| 108-87-2 | Methylcyclohexane | ND | | ug/kg dry | 3.2 | 6.4 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 06/26/2019 07:30 | 06/26/2019 12:38 | RDS |
| 75-09-2 | **Methylene chloride** | **13** | | ug/kg dry | 6.4 | 13 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 12:38 | RDS |
| 104-51-8 | n-Butylbenzene | ND | | ug/kg dry | 3.2 | 6.4 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 12:38 | RDS |
| 103-65-1 | n-Propylbenzene | ND | | ug/kg dry | 3.2 | 6.4 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 12:38 | RDS |
| 95-47-6 | o-Xylene | ND | | ug/kg dry | 3.2 | 6.4 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA | 06/26/2019 07:30 | 06/26/2019 12:38 | RDS |
| 179601-23-1 | p- & m- Xylenes | ND | | ug/kg dry | 6.4 | 13 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA | 06/26/2019 07:30 | 06/26/2019 12:38 | RDS |
| 99-87-6 | p-Isopropyltoluene | ND | | ug/kg dry | 3.2 | 6.4 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 12:38 | RDS |
| 135-98-8 | sec-Butylbenzene | ND | | ug/kg dry | 3.2 | 6.4 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 12:38 | RDS |
| 100-42-5 | Styrene | ND | | ug/kg dry | 3.2 | 6.4 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 12:38 | RDS |
| 75-65-0 | tert-Butyl alcohol (TBA) | ND | | ug/kg dry | 3.2 | 32 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 06/26/2019 07:30 | 06/26/2019 12:38 | RDS |
| 98-06-6 | tert-Butylbenzene | ND | | ug/kg dry | 3.2 | 6.4 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 12:38 | RDS |
| 127-18-4 | **Tetrachloroethylene** | **3.7** | J | ug/kg dry | 3.2 | 6.4 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 12:38 | RDS |
| 108-88-3 | Toluene | ND | | ug/kg dry | 3.2 | 6.4 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 12:38 | RDS |
| 156-60-5 | **trans-1,2-Dichloroethylene** | **3.3** | J | ug/kg dry | 3.2 | 6.4 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 12:38 | RDS |
| 10061-02-6 | trans-1,3-Dichloropropylene | ND | | ug/kg dry | 3.2 | 6.4 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 12:38 | RDS |
| 110-57-6 | * trans-1,4-dichloro-2-butene | ND | | ug/kg dry | 3.2 | 6.4 | 1 | EPA 8260C<br>Certifications: CTDOH | 06/26/2019 07:30 | 06/26/2019 12:38 | RDS |
| 79-01-6 | Trichloroethylene | ND | | ug/kg dry | 3.2 | 6.4 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 12:38 | RDS |

## Sample Information

**Client Sample ID:** **SP-5 (2-4)** **York Sample ID:** **19F0828-10**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 18, 2019 12:00 am | 06/20/2019 |

### Volatile Organics, 8260 - Comprehensive

**Log-in Notes:** VOA-CONT **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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 75-69-4 | Trichlorofluoromethane | ND | | ug/kg dry | 3.2 | 6.4 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 12:38 | RDS |
| 75-01-4 | Vinyl Chloride | ND | | ug/kg dry | 3.2 | 6.4 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 12:38 | RDS |
| 1330-20-7 | Xylenes, Total | ND | | ug/kg dry | 9.5 | 19 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 12:38 | RDS |

| | Surrogate Recoveries | Result | Acceptance Range |
|---|---|---|---|
| 17060-07-0 | *Surrogate: SURR: 1,2-Dichloroethane-d4* | *104 %* | *77-125* |
| 2037-26-5 | *Surrogate: SURR: Toluene-d8* | *100 %* | *85-120* |
| 460-00-4 | *Surrogate: SURR: p-Bromofluorobenzene* | *119 %* | *76-130* |

### Semi-Volatiles, 8270 - Comprehensive

**Log-in Notes:** VOA-CONT **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 | 52.5 | 105 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:42 | SR |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg dry | 105 | 209 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:42 | SR |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | ug/kg dry | 52.5 | 105 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:42 | SR |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | ug/kg dry | 52.5 | 105 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP | 06/25/2019 14:22 | 06/26/2019 20:42 | SR |
| 122-66-7 | 1,2-Diphenylhydrazine (as Azobenzene) | ND | | ug/kg dry | 52.5 | 105 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:42 | SR |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | ug/kg dry | 52.5 | 105 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP | 06/25/2019 14:22 | 06/26/2019 20:42 | SR |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | ug/kg dry | 52.5 | 105 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP | 06/25/2019 14:22 | 06/26/2019 20:42 | SR |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | ND | | ug/kg dry | 105 | 209 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:42 | SR |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | | ug/kg dry | 52.5 | 105 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:42 | SR |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | | ug/kg dry | 52.5 | 105 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:42 | SR |
| 120-83-2 | 2,4-Dichlorophenol | ND | | ug/kg dry | 52.5 | 105 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:42 | SR |
| 105-67-9 | 2,4-Dimethylphenol | ND | | ug/kg dry | 52.5 | 105 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:42 | SR |
| 51-28-5 | 2,4-Dinitrophenol | ND | | ug/kg dry | 105 | 209 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:42 | SR |

## Sample Information

**Client Sample ID:** **SP-5 (2-4)** **York Sample ID:** **19F0828-10**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 18, 2019 12:00 am | 06/20/2019 |

**Semi-Volatiles, 8270 - Comprehensive** **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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 121-14-2 | 2,4-Dinitrotoluene | ND | | ug/kg dry | 52.5 | 105 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:42 | SR |
| 606-20-2 | 2,6-Dinitrotoluene | ND | | ug/kg dry | 52.5 | 105 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:42 | SR |
| 91-58-7 | 2-Chloronaphthalene | ND | | ug/kg dry | 52.5 | 105 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:42 | SR |
| 95-57-8 | 2-Chlorophenol | ND | | ug/kg dry | 52.5 | 105 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:42 | SR |
| 91-57-6 | 2-Methylnaphthalene | ND | | ug/kg dry | 52.5 | 105 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:42 | SR |
| 95-48-7 | 2-Methylphenol | ND | | ug/kg dry | 52.5 | 105 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:42 | SR |
| 88-74-4 | 2-Nitroaniline | ND | | ug/kg dry | 105 | 209 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:42 | SR |
| 88-75-5 | 2-Nitrophenol | ND | | ug/kg dry | 52.5 | 105 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:42 | SR |
| 65794-96-9 | 3- & 4-Methylphenols | ND | | ug/kg dry | 52.5 | 105 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:42 | SR |
| 91-94-1 | 3,3-Dichlorobenzidine | ND | | ug/kg dry | 52.5 | 105 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:42 | SR |
| 99-09-2 | 3-Nitroaniline | ND | | ug/kg dry | 105 | 209 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:42 | SR |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | ND | | ug/kg dry | 105 | 209 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:42 | SR |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | | ug/kg dry | 52.5 | 105 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:42 | SR |
| 59-50-7 | 4-Chloro-3-methylphenol | ND | | ug/kg dry | 52.5 | 105 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:42 | SR |
| 106-47-8 | 4-Chloroaniline | ND | | ug/kg dry | 52.5 | 105 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:42 | SR |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | | ug/kg dry | 52.5 | 105 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:42 | SR |
| 100-01-6 | 4-Nitroaniline | ND | | ug/kg dry | 105 | 209 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:42 | SR |
| 100-02-7 | 4-Nitrophenol | ND | | ug/kg dry | 105 | 209 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:42 | SR |
| 83-32-9 | Acenaphthene | ND | | ug/kg dry | 52.5 | 105 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:42 | SR |
| 208-96-8 | Acenaphthylene | ND | | ug/kg dry | 52.5 | 105 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:42 | SR |
| 98-86-2 | Acetophenone | ND | | ug/kg dry | 52.5 | 105 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:42 | SR |

## Sample Information

**Client Sample ID:** **SP-5 (2-4)** **York Sample ID:** **19F0828-10**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 18, 2019 12:00 am | 06/20/2019 |

**Semi-Volatiles, 8270 - Comprehensive** **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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 62-53-3 | Aniline | ND | | ug/kg dry | 210 | 419 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:42 | SR |
| 120-12-7 | Anthracene | ND | | ug/kg dry | 52.5 | 105 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:42 | SR |
| 1912-24-9 | Atrazine | ND | | ug/kg dry | 52.5 | 105 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:42 | SR |
| 100-52-7 | Benzaldehyde | ND | | ug/kg dry | 52.5 | 105 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:42 | SR |
| 92-87-5 | Benzidine | ND | | ug/kg dry | 210 | 419 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,PADEP | 06/25/2019 14:22 | 06/26/2019 20:42 | SR |
| 56-55-3 | Benzo(a)anthracene | ND | | ug/kg dry | 52.5 | 105 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:42 | SR |
| 50-32-8 | Benzo(a)pyrene | ND | | ug/kg dry | 52.5 | 105 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:42 | SR |
| 205-99-2 | Benzo(b)fluoranthene | ND | | ug/kg dry | 52.5 | 105 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:42 | SR |
| 191-24-2 | Benzo(g,h,i)perylene | ND | | ug/kg dry | 52.5 | 105 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:42 | SR |
| 207-08-9 | Benzo(k)fluoranthene | ND | | ug/kg dry | 52.5 | 105 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:42 | SR |
| 65-85-0 | Benzoic acid | ND | | ug/kg dry | 52.5 | 105 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:42 | SR |
| 100-51-6 | Benzyl alcohol | ND | | ug/kg dry | 52.5 | 105 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:42 | SR |
| 85-68-7 | Benzyl butyl phthalate | ND | | ug/kg dry | 52.5 | 105 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:42 | SR |
| 111-91-1 | Bis(2-chloroethoxy)methane | ND | | ug/kg dry | 52.5 | 105 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:42 | SR |
| 111-44-4 | Bis(2-chloroethyl)ether | ND | | ug/kg dry | 52.5 | 105 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:42 | SR |
| 108-60-1 | Bis(2-chloroisopropyl)ether | ND | | ug/kg dry | 52.5 | 105 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:42 | SR |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | ND | | ug/kg dry | 52.5 | 105 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:42 | SR |
| 105-60-2 | Caprolactam | ND | | ug/kg dry | 105 | 209 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:42 | SR |
| 86-74-8 | Carbazole | ND | | ug/kg dry | 52.5 | 105 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:42 | SR |
| 218-01-9 | Chrysene | ND | | ug/kg dry | 52.5 | 105 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:42 | SR |
| 53-70-3 | Dibenzo(a,h)anthracene | ND | | ug/kg dry | 52.5 | 105 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:42 | SR |

## Sample Information

**Client Sample ID:** **SP-5 (2-4)** **York Sample ID:** **19F0828-10**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 18, 2019 12:00 am | 06/20/2019 |

**Semi-Volatiles, 8270 - Comprehensive**

**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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 132-64-9 | Dibenzofuran | ND | | ug/kg dry | 52.5 | 105 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/26/2019 20:42 | SR |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 84-66-2 | Diethyl phthalate | ND | | ug/kg dry | 52.5 | 105 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/26/2019 20:42 | SR |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 131-11-3 | Dimethyl phthalate | ND | | ug/kg dry | 52.5 | 105 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/26/2019 20:42 | SR |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 84-74-2 | Di-n-butyl phthalate | ND | | ug/kg dry | 52.5 | 105 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/26/2019 20:42 | SR |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 117-84-0 | Di-n-octyl phthalate | ND | | ug/kg dry | 52.5 | 105 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/26/2019 20:42 | SR |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 206-44-0 | Fluoranthene | ND | | ug/kg dry | 52.5 | 105 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/26/2019 20:42 | SR |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 86-73-7 | Fluorene | ND | | ug/kg dry | 52.5 | 105 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/26/2019 20:42 | SR |
| | | | | | | | | Certifications: | NELAC-NY10854,NJDEP,PADEP | | |
| 118-74-1 | Hexachlorobenzene | ND | | ug/kg dry | 52.5 | 105 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/26/2019 20:42 | SR |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 87-68-3 | Hexachlorobutadiene | ND | | ug/kg dry | 52.5 | 105 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/26/2019 20:42 | SR |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 77-47-4 | Hexachlorocyclopentadiene | ND | | ug/kg dry | 52.5 | 105 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/26/2019 20:42 | SR |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 67-72-1 | Hexachloroethane | ND | | ug/kg dry | 52.5 | 105 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/26/2019 20:42 | SR |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | ND | | ug/kg dry | 52.5 | 105 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/26/2019 20:42 | SR |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 78-59-1 | Isophorone | ND | | ug/kg dry | 52.5 | 105 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/26/2019 20:42 | SR |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 91-20-3 | Naphthalene | ND | | ug/kg dry | 52.5 | 105 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/26/2019 20:42 | SR |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 98-95-3 | Nitrobenzene | ND | | ug/kg dry | 52.5 | 105 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/26/2019 20:42 | SR |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 62-75-9 | N-Nitrosodimethylamine | ND | | ug/kg dry | 52.5 | 105 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/26/2019 20:42 | SR |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 621-64-7 | N-nitroso-di-n-propylamine | ND | | ug/kg dry | 52.5 | 105 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/26/2019 20:42 | SR |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 86-30-6 | N-Nitrosodiphenylamine | ND | | ug/kg dry | 52.5 | 105 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/26/2019 20:42 | SR |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 87-86-5 | Pentachlorophenol | ND | | ug/kg dry | 52.5 | 105 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/26/2019 20:42 | SR |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 85-01-8 | Phenanthrene | ND | | ug/kg dry | 52.5 | 105 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/26/2019 20:42 | SR |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 108-95-2 | Phenol | ND | | ug/kg dry | 52.5 | 105 | 2 | EPA 8270D | 06/25/2019 14:22 | 06/26/2019 20:42 | SR |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |

## Sample Information

**Client Sample ID:** **SP-5 (2-4)** **York Sample ID:** **19F0828-10**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 18, 2019 12:00 am | 06/20/2019 |

### Semi-Volatiles, 8270 - Comprehensive

**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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 129-00-0 | Pyrene | ND | | ug/kg dry | 52.5 | 105 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 20:42 | SR |

| | Surrogate Recoveries | Result | Acceptance Range |
|---|---|---|---|
| 367-12-4 | *Surrogate: SURR: 2-Fluorophenol* | *51.3 %* | *20-108* |
| 4165-62-2 | *Surrogate: SURR: Phenol-d5* | *50.6 %* | *23-114* |
| 4165-60-0 | *Surrogate: SURR: Nitrobenzene-d5* | *52.0 %* | *22-108* |
| 321-60-8 | *Surrogate: SURR: 2-Fluorobiphenyl* | *50.2 %* | *21-113* |
| 118-79-6 | *Surrogate: SURR: 2,4,6-Tribromophenol* | *92.7 %* | *19-110* |
| 1718-51-0 | *Surrogate: SURR: Terphenyl-d14* | *59.3 %* | *24-116* |

### Pesticides, 8081 target list

**Log-in Notes:** VOA-CON T **Sample Notes:**

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 72-54-8 | 4,4'-DDD | ND | | ug/kg dry | 2.09 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 19:48 | CM |
| 72-55-9 | 4,4'-DDE | ND | | ug/kg dry | 2.09 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 19:48 | CM |
| 50-29-3 | 4,4'-DDT | ND | | ug/kg dry | 2.09 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 19:48 | CM |
| 309-00-2 | Aldrin | ND | | ug/kg dry | 2.09 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 19:48 | CM |
| 319-84-6 | alpha-BHC | ND | | ug/kg dry | 2.09 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 19:48 | CM |
| 5103-71-9 | alpha-Chlordane | ND | | ug/kg dry | 2.09 | 5 | EPA 8081B<br>Certifications: NELAC-NY10854,NJDEP | 06/25/2019 14:19 | 06/26/2019 19:48 | CM |
| 319-85-7 | beta-BHC | ND | | ug/kg dry | 2.09 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 19:48 | CM |
| 57-74-9 | Chlordane, total | ND | | ug/kg dry | 41.8 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 19:48 | CM |
| 319-86-8 | delta-BHC | ND | | ug/kg dry | 2.09 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 19:48 | CM |
| 60-57-1 | Dieldrin | ND | | ug/kg dry | 2.09 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 19:48 | CM |
| 959-98-8 | Endosulfan I | ND | | ug/kg dry | 2.09 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 19:48 | CM |
| 33213-65-9 | Endosulfan II | ND | | ug/kg dry | 2.09 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854 | 06/25/2019 14:19 | 06/26/2019 19:48 | CM |
| 1031-07-8 | Endosulfan sulfate | ND | | ug/kg dry | 2.09 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 19:48 | CM |

## Sample Information

**Client Sample ID:** **SP-5 (2-4)** **York Sample ID:** **19F0828-10**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 18, 2019 12:00 am | 06/20/2019 |

### Pesticides, 8081 target list

**Log-in Notes:** VOA-CON T **Sample Notes:**

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 72-20-8 | Endrin | ND | | ug/kg dry | 2.09 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 19:48 | CM |
| 7421-93-4 | Endrin aldehyde | ND | | ug/kg dry | 2.09 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 19:48 | CM |
| 53494-70-5 | Endrin ketone | ND | | ug/kg dry | 2.09 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 19:48 | CM |
| 58-89-9 | gamma-BHC (Lindane) | ND | | ug/kg dry | 2.09 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 19:48 | CM |
| 5566-34-7 | gamma-Chlordane | ND | | ug/kg dry | 2.09 | 5 | EPA 8081B<br>Certifications: NELAC-NY10854,NJDEP | 06/25/2019 14:19 | 06/26/2019 19:48 | CM |
| 76-44-8 | Heptachlor | ND | | ug/kg dry | 2.09 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 19:48 | CM |
| 1024-57-3 | Heptachlor epoxide | ND | | ug/kg dry | 2.09 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 19:48 | CM |
| 72-43-5 | Methoxychlor | ND | | ug/kg dry | 10.5 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 19:48 | CM |
| 8001-35-2 | Toxaphene | ND | | ug/kg dry | 106 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 19:48 | CM |

| | Surrogate Recoveries | Result | Acceptance Range |
|---|---|---|---|
| 2051-24-3 | *Surrogate: Decachlorobiphenyl* | *68.3 %* | *30-150* |
| 877-09-8 | *Surrogate: Tetrachloro-m-xylene* | *58.0 %* | *30-150* |

### Polychlorinated Biphenyls (PCB)

**Log-in Notes:** VOA-CON T **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 | 0.0211 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 14:42 | SR |
| 11104-28-2 | Aroclor 1221 | ND | | mg/kg dry | 0.0211 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 14:42 | SR |
| 11141-16-5 | Aroclor 1232 | ND | | mg/kg dry | 0.0211 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 14:42 | SR |
| 53469-21-9 | Aroclor 1242 | ND | | mg/kg dry | 0.0211 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 14:42 | SR |
| 12672-29-6 | Aroclor 1248 | ND | | mg/kg dry | 0.0211 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 14:42 | SR |
| 11097-69-1 | Aroclor 1254 | ND | | mg/kg dry | 0.0211 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 14:42 | SR |
| 11096-82-5 | Aroclor 1260 | ND | | mg/kg dry | 0.0211 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 14:42 | SR |
| 1336-36-3 | * Total PCBs | ND | | mg/kg dry | 0.0211 | 1 | EPA 8082A<br>Certifications: | 06/25/2019 14:19 | 06/26/2019 14:42 | SR |

## Sample Information

**Client Sample ID:** **SP-5 (2-4)** **York Sample ID:** **19F0828-10**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 18, 2019 12:00 am | 06/20/2019 |

### Polychlorinated Biphenyls (PCB)

**Log-in Notes:** VOA-CON T **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 |
|---|---|---|---|---|---|---|---|---|---|---|
| | **Surrogate Recoveries** | **Result** | | **Acceptance Range** | | | | | | |
| 877-09-8 | *Surrogate: Tetrachloro-m-xylene* | *63.0 %* | | *30-140* | | | | | | |
| 2051-24-3 | *Surrogate: Decachlorobiphenyl* | *51.0 %* | | *30-140* | | | | | | |

### Metals, Target Analyte

**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 |
|---|---|---|---|---|---|---|---|---|---|---|
| 7429-90-5 | **Aluminum** | **7520** | | mg/kg dry | 6.36 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:45 | KML |
| 7440-36-0 | Antimony | ND | | mg/kg dry | 3.18 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:45 | KML |
| 7440-38-2 | **Arsenic** | **3.41** | | mg/kg dry | 1.91 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:45 | KML |
| 7440-39-3 | **Barium** | **46.2** | | mg/kg dry | 3.18 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:45 | KML |
| 7440-41-7 | **Beryllium** | **0.308** | B | mg/kg dry | 0.064 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:45 | KML |
| 7440-43-9 | Cadmium | ND | | mg/kg dry | 0.382 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:45 | KML |
| 7440-70-2 | **Calcium** | **1360** | | mg/kg dry | 6.36 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:45 | KML |
| 7440-47-3 | **Chromium** | **14.2** | | mg/kg dry | 0.636 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:45 | KML |
| 7440-48-4 | **Cobalt** | **3.72** | | mg/kg dry | 0.509 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:45 | KML |
| 7440-50-8 | **Copper** | **11.6** | | mg/kg dry | 2.54 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:45 | KML |
| 7439-89-6 | **Iron** | **35600** | | mg/kg dry | 31.8 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:45 | KML |
| 7439-92-1 | **Lead** | **4.90** | | mg/kg dry | 0.636 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:45 | KML |
| 7439-95-4 | **Magnesium** | **2360** | | mg/kg dry | 6.36 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:45 | KML |
| 7439-96-5 | **Manganese** | **153** | | mg/kg dry | 0.636 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:45 | KML |
| 7440-02-0 | **Nickel** | **11.0** | | mg/kg dry | 1.27 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:45 | KML |
| 7440-09-7 | **Potassium** | **722** | | mg/kg dry | 6.36 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:45 | KML |
| 7782-49-2 | Selenium | ND | | mg/kg dry | 3.18 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:45 | KML |
| 7440-22-4 | Silver | ND | | mg/kg dry | 0.636 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:45 | KML |

## Sample Information

**Client Sample ID:** **SP-5 (2-4)** **York Sample ID:** **19F0828-10**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 18, 2019 12:00 am | 06/20/2019 |

### Metals, Target Analyte

**Log-in Notes:** VOA-CONT **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 |
|---|---|---|---|---|---|---|---|---|---|---|
| 7440-23-5 | **Sodium** | **433** | | mg/kg dry | 63.6 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:45 | KML |
| 7440-28-0 | Thallium | ND | | mg/kg dry | 3.18 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:45 | KML |
| 7440-62-2 | **Vanadium** | **14.7** | | mg/kg dry | 1.27 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:45 | KML |
| 7440-66-6 | **Zinc** | **34.1** | | mg/kg dry | 3.18 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:45 | KML |

### Mercury by 7473

**Log-in Notes:** VOA-CONT **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 | 0.0382 | 1 | EPA 7473<br>Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP | 06/21/2019 11:52 | 06/21/2019 14:56 | SY |

### Total Solids

**Log-in Notes:** VOA-CONT **Sample Notes:**

Sample Prepared by Method: % Solids Prep

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| solids | *** % Solids** | **78.6** | | % | 0.100 | 1 | SM 2540G<br>Certifications: CTDOH | 06/24/2019 14:30 | 06/24/2019 22:26 | MAO |

## Sample Information

**Client Sample ID:** **SP-6 (0-2)** **York Sample ID:** **19F0828-11**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 18, 2019 12:00 am | 06/20/2019 |

### Volatile Organics, 8260 - Comprehensive

**Log-in Notes:** VOA-CONT **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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | | ug/kg dry | 2.7 | 5.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 13:05 | RDS |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | ug/kg dry | 2.7 | 5.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 13:05 | RDS |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | ug/kg dry | 2.7 | 5.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 13:05 | RDS |

## Sample Information

**Client Sample ID:** **SP-6 (0-2)** **York Sample ID:** **19F0828-11**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 18, 2019 12:00 am | 06/20/2019 |

**Volatile Organics, 8260 - Comprehensive**

**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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | | ug/kg dry | 2.7 | 5.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 13:05 | RDS |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | ug/kg dry | 2.7 | 5.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 13:05 | RDS |
| 75-34-3 | 1,1-Dichloroethane | ND | | ug/kg dry | 2.7 | 5.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 13:05 | RDS |
| 75-35-4 | 1,1-Dichloroethylene | ND | | ug/kg dry | 2.7 | 5.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 13:05 | RDS |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | | ug/kg dry | 2.7 | 5.5 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 06/26/2019 07:30 | 06/26/2019 13:05 | RDS |
| 96-18-4 | 1,2,3-Trichloropropane | ND | | ug/kg dry | 2.7 | 5.5 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP | 06/26/2019 07:30 | 06/26/2019 13:05 | RDS |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | ug/kg dry | 2.7 | 5.5 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 06/26/2019 07:30 | 06/26/2019 13:05 | RDS |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | | ug/kg dry | 2.7 | 5.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 13:05 | RDS |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | | ug/kg dry | 2.7 | 5.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 13:05 | RDS |
| 106-93-4 | 1,2-Dibromoethane | ND | | ug/kg dry | 2.7 | 5.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 13:05 | RDS |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | ug/kg dry | 2.7 | 5.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 13:05 | RDS |
| 107-06-2 | 1,2-Dichloroethane | ND | | ug/kg dry | 2.7 | 5.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 13:05 | RDS |
| 78-87-5 | 1,2-Dichloropropane | ND | | ug/kg dry | 2.7 | 5.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 13:05 | RDS |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | | ug/kg dry | 2.7 | 5.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 13:05 | RDS |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | ug/kg dry | 2.7 | 5.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 13:05 | RDS |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | ug/kg dry | 2.7 | 5.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 13:05 | RDS |
| 123-91-1 | 1,4-Dioxane | ND | | ug/kg dry | 55 | 110 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 06/26/2019 07:30 | 06/26/2019 13:05 | RDS |
| 78-93-3 | 2-Butanone | ND | | ug/kg dry | 2.7 | 5.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 13:05 | RDS |
| 591-78-6 | 2-Hexanone | ND | | ug/kg dry | 2.7 | 5.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 13:05 | RDS |
| 108-10-1 | 4-Methyl-2-pentanone | ND | | ug/kg dry | 2.7 | 5.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 13:05 | RDS |
| 67-64-1 | Acetone | ND | | ug/kg dry | 5.5 | 11 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 13:05 | RDS |

## Sample Information

**Client Sample ID:** **SP-6 (0-2)** **York Sample ID:** **19F0828-11**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 18, 2019 12:00 am | 06/20/2019 |

**Volatile Organics, 8260 - Comprehensive** **Log-in Notes:** VOA-CONT **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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 107-02-8 | Acrolein | ND | | ug/kg dry | 5.5 | 11 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 13:05 | RDS |
| 107-13-1 | Acrylonitrile | ND | | ug/kg dry | 2.7 | 5.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 13:05 | RDS |
| 71-43-2 | Benzene | ND | | ug/kg dry | 2.7 | 5.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 13:05 | RDS |
| 74-97-5 | Bromochloromethane | ND | | ug/kg dry | 2.7 | 5.5 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 06/26/2019 07:30 | 06/26/2019 13:05 | RDS |
| 75-27-4 | Bromodichloromethane | ND | | ug/kg dry | 2.7 | 5.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 13:05 | RDS |
| 75-25-2 | Bromoform | ND | | ug/kg dry | 2.7 | 5.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 13:05 | RDS |
| 74-83-9 | Bromomethane | ND | | ug/kg dry | 2.7 | 5.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 13:05 | RDS |
| 75-15-0 | Carbon disulfide | ND | | ug/kg dry | 2.7 | 5.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 13:05 | RDS |
| 56-23-5 | Carbon tetrachloride | ND | | ug/kg dry | 2.7 | 5.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 13:05 | RDS |
| 108-90-7 | Chlorobenzene | ND | | ug/kg dry | 2.7 | 5.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 13:05 | RDS |
| 75-00-3 | Chloroethane | ND | | ug/kg dry | 2.7 | 5.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 13:05 | RDS |
| 67-66-3 | Chloroform | ND | | ug/kg dry | 2.7 | 5.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 13:05 | RDS |
| 74-87-3 | Chloromethane | ND | | ug/kg dry | 2.7 | 5.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 13:05 | RDS |
| 156-59-2 | cis-1,2-Dichloroethylene | ND | | ug/kg dry | 2.7 | 5.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 13:05 | RDS |
| 10061-01-5 | cis-1,3-Dichloropropylene | ND | | ug/kg dry | 2.7 | 5.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 13:05 | RDS |
| 110-82-7 | Cyclohexane | ND | | ug/kg dry | 2.7 | 5.5 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 06/26/2019 07:30 | 06/26/2019 13:05 | RDS |
| 124-48-1 | Dibromochloromethane | ND | | ug/kg dry | 2.7 | 5.5 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 06/26/2019 07:30 | 06/26/2019 13:05 | RDS |
| 74-95-3 | Dibromomethane | ND | | ug/kg dry | 2.7 | 5.5 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 06/26/2019 07:30 | 06/26/2019 13:05 | RDS |
| 75-71-8 | Dichlorodifluoromethane | ND | | ug/kg dry | 2.7 | 5.5 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 06/26/2019 07:30 | 06/26/2019 13:05 | RDS |
| 100-41-4 | Ethyl Benzene | ND | | ug/kg dry | 2.7 | 5.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 13:05 | RDS |
| 87-68-3 | Hexachlorobutadiene | ND | | ug/kg dry | 2.7 | 5.5 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 06/26/2019 07:30 | 06/26/2019 13:05 | RDS |

## Sample Information

**Client Sample ID:** **SP-6 (0-2)** **York Sample ID:** **19F0828-11**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 18, 2019 12:00 am | 06/20/2019 |

**Volatile Organics, 8260 - Comprehensive**

**Log-in Notes:** VOA-CONT **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 | ND | | ug/kg dry | 2.7 | 5.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 13:05 | RDS |
| 79-20-9 | Methyl acetate | ND | | ug/kg dry | 2.7 | 5.5 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 06/26/2019 07:30 | 06/26/2019 13:05 | RDS |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | | ug/kg dry | 2.7 | 5.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 13:05 | RDS |
| 108-87-2 | Methylcyclohexane | ND | | ug/kg dry | 2.7 | 5.5 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 06/26/2019 07:30 | 06/26/2019 13:05 | RDS |
| 75-09-2 | **Methylene chloride** | **12** | | ug/kg dry | 5.5 | 11 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 13:05 | RDS |
| 104-51-8 | n-Butylbenzene | ND | | ug/kg dry | 2.7 | 5.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 13:05 | RDS |
| 103-65-1 | n-Propylbenzene | ND | | ug/kg dry | 2.7 | 5.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 13:05 | RDS |
| 95-47-6 | o-Xylene | ND | | ug/kg dry | 2.7 | 5.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA | 06/26/2019 07:30 | 06/26/2019 13:05 | RDS |
| 179601-23-1 | p- & m- Xylenes | ND | | ug/kg dry | 5.5 | 11 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA | 06/26/2019 07:30 | 06/26/2019 13:05 | RDS |
| 99-87-6 | p-Isopropyltoluene | ND | | ug/kg dry | 2.7 | 5.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 13:05 | RDS |
| 135-98-8 | sec-Butylbenzene | ND | | ug/kg dry | 2.7 | 5.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 13:05 | RDS |
| 100-42-5 | Styrene | ND | | ug/kg dry | 2.7 | 5.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 13:05 | RDS |
| 75-65-0 | tert-Butyl alcohol (TBA) | ND | | ug/kg dry | 2.7 | 27 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 06/26/2019 07:30 | 06/26/2019 13:05 | RDS |
| 98-06-6 | tert-Butylbenzene | ND | | ug/kg dry | 2.7 | 5.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 13:05 | RDS |
| 127-18-4 | Tetrachloroethylene | ND | | ug/kg dry | 2.7 | 5.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 13:05 | RDS |
| 108-88-3 | Toluene | ND | | ug/kg dry | 2.7 | 5.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 13:05 | RDS |
| 156-60-5 | trans-1,2-Dichloroethylene | ND | | ug/kg dry | 2.7 | 5.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 13:05 | RDS |
| 10061-02-6 | trans-1,3-Dichloropropylene | ND | | ug/kg dry | 2.7 | 5.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 13:05 | RDS |
| 110-57-6 | * trans-1,4-dichloro-2-butene | ND | | ug/kg dry | 2.7 | 5.5 | 1 | EPA 8260C<br>Certifications: CTDOH | 06/26/2019 07:30 | 06/26/2019 13:05 | RDS |
| 79-01-6 | Trichloroethylene | ND | | ug/kg dry | 2.7 | 5.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 13:05 | RDS |
| 75-69-4 | Trichlorofluoromethane | ND | | ug/kg dry | 2.7 | 5.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 13:05 | RDS |

## Sample Information

**Client Sample ID:** **SP-6 (0-2)** **York Sample ID:** **19F0828-11**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 18, 2019 12:00 am | 06/20/2019 |

### Volatile Organics, 8260 - Comprehensive

**Log-in Notes:** VOA-CONT **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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 75-01-4 | Vinyl Chloride | ND | | ug/kg dry | 2.7 | 5.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 13:05 | RDS |
| 1330-20-7 | Xylenes, Total | ND | | ug/kg dry | 8.2 | 16 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 13:05 | RDS |

| | Surrogate Recoveries | Result | Acceptance Range |
|---|---|---|---|
| 17060-07-0 | *Surrogate: SURR: 1,2-Dichloroethane-d4* | *112 %* | *77-125* |
| 2037-26-5 | *Surrogate: SURR: Toluene-d8* | *105 %* | *85-120* |
| 460-00-4 | *Surrogate: SURR: p-Bromofluorobenzene* | *111 %* | *76-130* |

### Semi-Volatiles, 8270 - Comprehensive

**Log-in Notes:** VOA-CONT **Sample Notes:**

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 92-52-4 | 1,1-Biphenyl | ND | | ug/kg dry | 45.6 | 91.1 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:14 | SR |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg dry | 91.1 | 182 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:14 | SR |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | ug/kg dry | 45.6 | 91.1 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:14 | SR |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | ug/kg dry | 45.6 | 91.1 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP | 06/25/2019 14:22 | 06/26/2019 21:14 | SR |
| 122-66-7 | 1,2-Diphenylhydrazine (as Azobenzene) | ND | | ug/kg dry | 45.6 | 91.1 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:14 | SR |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | ug/kg dry | 45.6 | 91.1 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP | 06/25/2019 14:22 | 06/26/2019 21:14 | SR |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | ug/kg dry | 45.6 | 91.1 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP | 06/25/2019 14:22 | 06/26/2019 21:14 | SR |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | ND | | ug/kg dry | 91.1 | 182 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:14 | SR |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | | ug/kg dry | 45.6 | 91.1 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:14 | SR |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | | ug/kg dry | 45.6 | 91.1 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:14 | SR |
| 120-83-2 | 2,4-Dichlorophenol | ND | | ug/kg dry | 45.6 | 91.1 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:14 | SR |
| 105-67-9 | 2,4-Dimethylphenol | ND | | ug/kg dry | 45.6 | 91.1 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:14 | SR |
| 51-28-5 | 2,4-Dinitrophenol | ND | | ug/kg dry | 91.1 | 182 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:14 | SR |
| 121-14-2 | 2,4-Dinitrotoluene | ND | | ug/kg dry | 45.6 | 91.1 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:14 | SR |

## Sample Information

**Client Sample ID:** **SP-6 (0-2)** **York Sample ID:** **19F0828-11**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 18, 2019 12:00 am | 06/20/2019 |

**Semi-Volatiles, 8270 - Comprehensive** **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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 606-20-2 | 2,6-Dinitrotoluene | ND | | ug/kg dry | 45.6 | 91.1 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:14 | SR |
| 91-58-7 | 2-Chloronaphthalene | ND | | ug/kg dry | 45.6 | 91.1 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:14 | SR |
| 95-57-8 | 2-Chlorophenol | ND | | ug/kg dry | 45.6 | 91.1 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:14 | SR |
| 91-57-6 | 2-Methylnaphthalene | ND | | ug/kg dry | 45.6 | 91.1 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:14 | SR |
| 95-48-7 | 2-Methylphenol | ND | | ug/kg dry | 45.6 | 91.1 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:14 | SR |
| 88-74-4 | 2-Nitroaniline | ND | | ug/kg dry | 91.1 | 182 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:14 | SR |
| 88-75-5 | 2-Nitrophenol | ND | | ug/kg dry | 45.6 | 91.1 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:14 | SR |
| 65794-96-9 | 3- & 4-Methylphenols | ND | | ug/kg dry | 45.6 | 91.1 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:14 | SR |
| 91-94-1 | 3,3-Dichlorobenzidine | ND | | ug/kg dry | 45.6 | 91.1 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:14 | SR |
| 99-09-2 | 3-Nitroaniline | ND | | ug/kg dry | 91.1 | 182 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:14 | SR |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | ND | | ug/kg dry | 91.1 | 182 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:14 | SR |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | | ug/kg dry | 45.6 | 91.1 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:14 | SR |
| 59-50-7 | 4-Chloro-3-methylphenol | ND | | ug/kg dry | 45.6 | 91.1 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:14 | SR |
| 106-47-8 | 4-Chloroaniline | ND | | ug/kg dry | 45.6 | 91.1 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:14 | SR |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | | ug/kg dry | 45.6 | 91.1 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:14 | SR |
| 100-01-6 | 4-Nitroaniline | ND | | ug/kg dry | 91.1 | 182 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:14 | SR |
| 100-02-7 | 4-Nitrophenol | ND | | ug/kg dry | 91.1 | 182 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:14 | SR |
| 83-32-9 | **Acenaphthene** | **148** | | ug/kg dry | 45.6 | 91.1 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:14 | SR |
| 208-96-8 | **Acenaphthylene** | **98.3** | | ug/kg dry | 45.6 | 91.1 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:14 | SR |
| 98-86-2 | Acetophenone | ND | | ug/kg dry | 45.6 | 91.1 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:14 | SR |
| 62-53-3 | Aniline | ND | | ug/kg dry | 182 | 365 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:14 | SR |
| 120-12-7 | **Anthracene** | **446** | | ug/kg dry | 45.6 | 91.1 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:14 | SR |

## Sample Information

**Client Sample ID:** **SP-6 (0-2)** **York Sample ID:** **19F0828-11**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 18, 2019 12:00 am | 06/20/2019 |

**Semi-Volatiles, 8270 - Comprehensive** **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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1912-24-9 | Atrazine | ND | | ug/kg dry | 45.6 | 91.1 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:14 | SR |
| 100-52-7 | Benzaldehyde | ND | | ug/kg dry | 45.6 | 91.1 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:14 | SR |
| 92-87-5 | Benzidine | ND | | ug/kg dry | 182 | 365 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,PADEP | 06/25/2019 14:22 | 06/26/2019 21:14 | SR |
| 56-55-3 | **Benzo(a)anthracene** | **1520** | | ug/kg dry | 45.6 | 91.1 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:14 | SR |
| 50-32-8 | **Benzo(a)pyrene** | **1590** | | ug/kg dry | 45.6 | 91.1 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:14 | SR |
| 205-99-2 | **Benzo(b)fluoranthene** | **1550** | | ug/kg dry | 45.6 | 91.1 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:14 | SR |
| 191-24-2 | **Benzo(g,h,i)perylene** | **1050** | | ug/kg dry | 45.6 | 91.1 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:14 | SR |
| 207-08-9 | **Benzo(k)fluoranthene** | **1330** | | ug/kg dry | 45.6 | 91.1 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:14 | SR |
| 65-85-0 | Benzoic acid | ND | | ug/kg dry | 45.6 | 91.1 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:14 | SR |
| 100-51-6 | Benzyl alcohol | ND | | ug/kg dry | 45.6 | 91.1 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:14 | SR |
| 85-68-7 | Benzyl butyl phthalate | ND | | ug/kg dry | 45.6 | 91.1 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:14 | SR |
| 111-91-1 | Bis(2-chloroethoxy)methane | ND | | ug/kg dry | 45.6 | 91.1 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:14 | SR |
| 111-44-4 | Bis(2-chloroethyl)ether | ND | | ug/kg dry | 45.6 | 91.1 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:14 | SR |
| 108-60-1 | Bis(2-chloroisopropyl)ether | ND | | ug/kg dry | 45.6 | 91.1 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:14 | SR |
| 117-81-7 | **Bis(2-ethylhexyl)phthalate** | **94.6** | | ug/kg dry | 45.6 | 91.1 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:14 | SR |
| 105-60-2 | Caprolactam | ND | | ug/kg dry | 91.1 | 182 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:14 | SR |
| 86-74-8 | **Carbazole** | **235** | | ug/kg dry | 45.6 | 91.1 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:14 | SR |
| 218-01-9 | **Chrysene** | **1400** | | ug/kg dry | 45.6 | 91.1 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:14 | SR |
| 53-70-3 | **Dibenzo(a,h)anthracene** | **272** | | ug/kg dry | 45.6 | 91.1 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:14 | SR |
| 132-64-9 | **Dibenzofuran** | **106** | | ug/kg dry | 45.6 | 91.1 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:14 | SR |
| 84-66-2 | Diethyl phthalate | ND | | ug/kg dry | 45.6 | 91.1 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:14 | SR |
| 131-11-3 | Dimethyl phthalate | ND | | ug/kg dry | 45.6 | 91.1 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:14 | SR |

## Sample Information

**Client Sample ID:** **SP-6 (0-2)** **York Sample ID:** **19F0828-11**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 18, 2019 12:00 am | 06/20/2019 |

**Semi-Volatiles, 8270 - Comprehensive**

**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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 84-74-2 | Di-n-butyl phthalate | ND | | ug/kg dry | 45.6 | 91.1 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:14 | SR |
| 117-84-0 | Di-n-octyl phthalate | ND | | ug/kg dry | 45.6 | 91.1 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:14 | SR |
| 206-44-0 | **Fluoranthene** | **2830** | | ug/kg dry | 45.6 | 91.1 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:14 | SR |
| 86-73-7 | **Fluorene** | **150** | | ug/kg dry | 45.6 | 91.1 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:14 | SR |
| 118-74-1 | Hexachlorobenzene | ND | | ug/kg dry | 45.6 | 91.1 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:14 | SR |
| 87-68-3 | Hexachlorobutadiene | ND | | ug/kg dry | 45.6 | 91.1 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:14 | SR |
| 77-47-4 | Hexachlorocyclopentadiene | ND | | ug/kg dry | 45.6 | 91.1 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:14 | SR |
| 67-72-1 | Hexachloroethane | ND | | ug/kg dry | 45.6 | 91.1 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:14 | SR |
| 193-39-5 | **Indeno(1,2,3-cd)pyrene** | **1010** | | ug/kg dry | 45.6 | 91.1 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:14 | SR |
| 78-59-1 | Isophorone | ND | | ug/kg dry | 45.6 | 91.1 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:14 | SR |
| 91-20-3 | **Naphthalene** | **73.5** | J | ug/kg dry | 45.6 | 91.1 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:14 | SR |
| 98-95-3 | Nitrobenzene | ND | | ug/kg dry | 45.6 | 91.1 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:14 | SR |
| 62-75-9 | N-Nitrosodimethylamine | ND | | ug/kg dry | 45.6 | 91.1 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:14 | SR |
| 621-64-7 | N-nitroso-di-n-propylamine | ND | | ug/kg dry | 45.6 | 91.1 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:14 | SR |
| 86-30-6 | N-Nitrosodiphenylamine | ND | | ug/kg dry | 45.6 | 91.1 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:14 | SR |
| 87-86-5 | Pentachlorophenol | ND | | ug/kg dry | 45.6 | 91.1 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:14 | SR |
| 85-01-8 | **Phenanthrene** | **1970** | | ug/kg dry | 45.6 | 91.1 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:14 | SR |
| 108-95-2 | Phenol | ND | | ug/kg dry | 45.6 | 91.1 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:14 | SR |
| 129-00-0 | **Pyrene** | **2390** | | ug/kg dry | 45.6 | 91.1 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:14 | SR |

| | Surrogate Recoveries | Result | Acceptance Range |
|---|---|---|---|
| 367-12-4 | *Surrogate: SURR: 2-Fluorophenol* | *47.5 %* | *20-108* |
| 4165-62-2 | *Surrogate: SURR: Phenol-d5* | *54.2 %* | *23-114* |
| 4165-60-0 | *Surrogate: SURR: Nitrobenzene-d5* | *57.7 %* | *22-108* |
| 321-60-8 | *Surrogate: SURR: 2-Fluorobiphenyl* | *65.2 %* | *21-113* |

# Sample Information

**Client Sample ID:** **SP-6 (0-2)** **York Sample ID:** **19F0828-11**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 18, 2019 12:00 am | 06/20/2019 |

## Semi-Volatiles, 8270 - Comprehensive

**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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 118-79-6 | *Surrogate: SURR: 2,4,6-Tribromophenol* | *49.3 %* | | | *19-110* | | | | | | |
| 1718-51-0 | *Surrogate: SURR: Terphenyl-d14* | *73.5 %* | | | *24-116* | | | | | | |

## Pesticides, 8081 target list

**Log-in Notes:** VOA-CON T **Sample Notes:**

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 72-54-8 | 4,4'-DDD | ND | | ug/kg dry | 1.80 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 20:03 | CM |
| 72-55-9 | 4,4'-DDE | ND | | ug/kg dry | 1.80 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 20:03 | CM |
| 50-29-3 | 4,4'-DDT | ND | | ug/kg dry | 1.80 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 20:03 | CM |
| 309-00-2 | Aldrin | ND | | ug/kg dry | 1.80 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 20:03 | CM |
| 319-84-6 | alpha-BHC | ND | | ug/kg dry | 1.80 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 20:03 | CM |
| 5103-71-9 | alpha-Chlordane | ND | | ug/kg dry | 1.80 | 5 | EPA 8081B<br>Certifications: NELAC-NY10854,NJDEP | 06/25/2019 14:19 | 06/26/2019 20:03 | CM |
| 319-85-7 | beta-BHC | ND | | ug/kg dry | 1.80 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 20:03 | CM |
| 57-74-9 | Chlordane, total | ND | | ug/kg dry | 36.0 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 20:03 | CM |
| 319-86-8 | delta-BHC | ND | | ug/kg dry | 1.80 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 20:03 | CM |
| 60-57-1 | Dieldrin | ND | | ug/kg dry | 1.80 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 20:03 | CM |
| 959-98-8 | Endosulfan I | ND | | ug/kg dry | 1.80 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 20:03 | CM |
| 33213-65-9 | Endosulfan II | ND | | ug/kg dry | 1.80 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854 | 06/25/2019 14:19 | 06/26/2019 20:03 | CM |
| 1031-07-8 | Endosulfan sulfate | ND | | ug/kg dry | 1.80 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 20:03 | CM |
| 72-20-8 | Endrin | ND | | ug/kg dry | 1.80 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 20:03 | CM |
| 7421-93-4 | Endrin aldehyde | ND | | ug/kg dry | 1.80 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 20:03 | CM |
| 53494-70-5 | Endrin ketone | ND | | ug/kg dry | 1.80 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 20:03 | CM |
| 58-89-9 | gamma-BHC (Lindane) | ND | | ug/kg dry | 1.80 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 20:03 | CM |

## Sample Information

**Client Sample ID:** **SP-6 (0-2)** **York Sample ID:** **19F0828-11**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 18, 2019 12:00 am | 06/20/2019 |

### Pesticides, 8081 target list

**Log-in Notes:** VOA-CON T **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 |
|---|---|---|---|---|---|---|---|---|---|---|
| 5566-34-7 | gamma-Chlordane | ND | | ug/kg dry | 1.80 | 5 | EPA 8081B<br>Certifications: NELAC-NY10854,NJDEP | 06/25/2019 14:19 | 06/26/2019 20:03 | CM |
| 76-44-8 | Heptachlor | ND | | ug/kg dry | 1.80 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 20:03 | CM |
| 1024-57-3 | Heptachlor epoxide | ND | | ug/kg dry | 1.80 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 20:03 | CM |
| 72-43-5 | Methoxychlor | ND | | ug/kg dry | 9.01 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 20:03 | CM |
| 8001-35-2 | Toxaphene | ND | | ug/kg dry | 91.2 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 20:03 | CM |

| | Surrogate Recoveries | Result | Acceptance Range |
|---|---|---|---|
| 2051-24-3 | *Surrogate: Decachlorobiphenyl* | *113 %* | *30-150* |
| 877-09-8 | *Surrogate: Tetrachloro-m-xylene* | *48.4 %* | *30-150* |

### Polychlorinated Biphenyls (PCB)

**Log-in Notes:** VOA-CON T **Sample Notes:**

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 12674-11-2 | Aroclor 1016 | ND | | mg/kg dry | 0.0182 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 06/25/2019 14:19 | 06/27/2019 10:38 | SR |
| 11104-28-2 | Aroclor 1221 | ND | | mg/kg dry | 0.0182 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 06/25/2019 14:19 | 06/27/2019 10:38 | SR |
| 11141-16-5 | Aroclor 1232 | ND | | mg/kg dry | 0.0182 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 06/25/2019 14:19 | 06/27/2019 10:38 | SR |
| 53469-21-9 | Aroclor 1242 | ND | | mg/kg dry | 0.0182 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 06/25/2019 14:19 | 06/27/2019 10:38 | SR |
| 12672-29-6 | Aroclor 1248 | ND | | mg/kg dry | 0.0182 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 06/25/2019 14:19 | 06/27/2019 10:38 | SR |
| 11097-69-1 | Aroclor 1254 | ND | | mg/kg dry | 0.0182 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 06/25/2019 14:19 | 06/27/2019 10:38 | SR |
| 11096-82-5 | Aroclor 1260 | ND | | mg/kg dry | 0.0182 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 06/25/2019 14:19 | 06/27/2019 10:38 | SR |
| 1336-36-3 | * Total PCBs | ND | | mg/kg dry | 0.0182 | 1 | EPA 8082A<br>Certifications: | 06/25/2019 14:19 | 06/27/2019 10:38 | SR |

| | Surrogate Recoveries | Result | Acceptance Range |
|---|---|---|---|
| 877-09-8 | *Surrogate: Tetrachloro-m-xylene* | *92.5 %* | *30-140* |
| 2051-24-3 | *Surrogate: Decachlorobiphenyl* | *89.5 %* | *30-140* |

## Sample Information

**Client Sample ID:** **SP-6 (0-2)** **York Sample ID:** **19F0828-11**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 18, 2019 12:00 am | 06/20/2019 |

**Metals, Target Analyte** **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 |
|---|---|---|---|---|---|---|---|---|---|---|
| 7429-90-5 | **Aluminum** | **10200** | | mg/kg dry | 5.50 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:48 | KML |
| 7440-36-0 | Antimony | ND | | mg/kg dry | 2.75 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:48 | KML |
| 7440-38-2 | **Arsenic** | **16.4** | | mg/kg dry | 1.65 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:48 | KML |
| 7440-39-3 | **Barium** | **208** | | mg/kg dry | 2.75 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:48 | KML |
| 7440-41-7 | **Beryllium** | **2.44** | B | mg/kg dry | 0.055 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:48 | KML |
| 7440-43-9 | **Cadmium** | **0.615** | | mg/kg dry | 0.330 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:48 | KML |
| 7440-70-2 | **Calcium** | **36300** | | mg/kg dry | 5.50 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:48 | KML |
| 7440-47-3 | **Chromium** | **48.8** | | mg/kg dry | 0.550 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:48 | KML |
| 7440-48-4 | **Cobalt** | **20.9** | | mg/kg dry | 0.440 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:48 | KML |
| 7440-50-8 | **Copper** | **345** | | mg/kg dry | 2.20 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:48 | KML |
| 7439-89-6 | **Iron** | **26000** | | mg/kg dry | 27.5 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:48 | KML |
| 7439-92-1 | **Lead** | **271** | | mg/kg dry | 0.550 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:48 | KML |
| 7439-95-4 | **Magnesium** | **8030** | | mg/kg dry | 5.50 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:48 | KML |
| 7439-96-5 | **Manganese** | **301** | | mg/kg dry | 0.550 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:48 | KML |
| 7440-02-0 | **Nickel** | **44.4** | | mg/kg dry | 1.10 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:48 | KML |
| 7440-09-7 | **Potassium** | **1720** | | mg/kg dry | 5.50 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:48 | KML |
| 7782-49-2 | Selenium | ND | | mg/kg dry | 2.75 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:48 | KML |
| 7440-22-4 | Silver | ND | | mg/kg dry | 0.550 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:48 | KML |
| 7440-23-5 | **Sodium** | **1010** | | mg/kg dry | 55.0 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:48 | KML |
| 7440-28-0 | Thallium | ND | | mg/kg dry | 2.75 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:48 | KML |
| 7440-62-2 | **Vanadium** | **27.8** | | mg/kg dry | 1.10 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:48 | KML |
| 7440-66-6 | **Zinc** | **2740** | | mg/kg dry | 2.75 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:48 | KML |

## Sample Information

**Client Sample ID:** **SP-6 (0-2)** **York Sample ID:** **19F0828-11**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 18, 2019 12:00 am | 06/20/2019 |

### Mercury by 7473

**Log-in Notes:** VOA-CONT **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** | **0.342** | | mg/kg dry | 0.0330 | 1 | EPA 7473 | 06/21/2019 11:52 | 06/21/2019 15:05 | SY |
| | | | | | | | Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP | | | |

### Total Solids

**Log-in Notes:** VOA-CONT **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** | **91.0** | | % | 0.100 | 1 | SM 2540G | 06/24/2019 14:30 | 06/24/2019 22:26 | MAO |
| | | | | | | | Certifications: CTDOH | | | |

## Sample Information

**Client Sample ID:** **SP-6 (10-12)** **York Sample ID:** **19F0828-12**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 18, 2019 12:00 am | 06/20/2019 |

### Volatile Organics, 8260 - Comprehensive

**Log-in Notes:** VOA-CONT **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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | | ug/kg dry | 3.1 | 6.2 | 1 | EPA 8260C | 06/26/2019 07:30 | 06/26/2019 14:29 | RDS |
| | | | | | | | | Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | | |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | ug/kg dry | 3.1 | 6.2 | 1 | EPA 8260C | 06/26/2019 07:30 | 06/26/2019 14:29 | RDS |
| | | | | | | | | Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | ug/kg dry | 3.1 | 6.2 | 1 | EPA 8260C | 06/26/2019 07:30 | 06/26/2019 14:29 | RDS |
| | | | | | | | | Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | | |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | | ug/kg dry | 3.1 | 6.2 | 1 | EPA 8260C | 06/26/2019 07:30 | 06/26/2019 14:29 | RDS |
| | | | | | | | | Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | ug/kg dry | 3.1 | 6.2 | 1 | EPA 8260C | 06/26/2019 07:30 | 06/26/2019 14:29 | RDS |
| | | | | | | | | Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | | |
| 75-34-3 | 1,1-Dichloroethane | ND | | ug/kg dry | 3.1 | 6.2 | 1 | EPA 8260C | 06/26/2019 07:30 | 06/26/2019 14:29 | RDS |
| | | | | | | | | Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | | |
| 75-35-4 | 1,1-Dichloroethylene | ND | | ug/kg dry | 3.1 | 6.2 | 1 | EPA 8260C | 06/26/2019 07:30 | 06/26/2019 14:29 | RDS |
| | | | | | | | | Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | | |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | | ug/kg dry | 3.1 | 6.2 | 1 | EPA 8260C | 06/26/2019 07:30 | 06/26/2019 14:29 | RDS |
| | | | | | | | | Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAE | | | |
| 96-18-4 | 1,2,3-Trichloropropane | ND | | ug/kg dry | 3.1 | 6.2 | 1 | EPA 8260C | 06/26/2019 07:30 | 06/26/2019 14:29 | RDS |
| | | | | | | | | Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP | | | |

## Sample Information

**Client Sample ID:** **SP-6 (10-12)** **York Sample ID:** **19F0828-12**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 18, 2019 12:00 am | 06/20/2019 |

**Volatile Organics, 8260 - Comprehensive** **Log-in Notes:** VOA-CONT **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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | ug/kg dry | 3.1 | 6.2 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 06/26/2019 07:30 | 06/26/2019 14:29 | RDS |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | | ug/kg dry | 3.1 | 6.2 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 14:29 | RDS |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | | ug/kg dry | 3.1 | 6.2 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 14:29 | RDS |
| 106-93-4 | 1,2-Dibromoethane | ND | | ug/kg dry | 3.1 | 6.2 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 14:29 | RDS |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | ug/kg dry | 3.1 | 6.2 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 14:29 | RDS |
| 107-06-2 | 1,2-Dichloroethane | ND | | ug/kg dry | 3.1 | 6.2 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 14:29 | RDS |
| 78-87-5 | 1,2-Dichloropropane | ND | | ug/kg dry | 3.1 | 6.2 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 14:29 | RDS |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | | ug/kg dry | 3.1 | 6.2 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 14:29 | RDS |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | ug/kg dry | 3.1 | 6.2 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 14:29 | RDS |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | ug/kg dry | 3.1 | 6.2 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 14:29 | RDS |
| 123-91-1 | 1,4-Dioxane | ND | | ug/kg dry | 62 | 120 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 06/26/2019 07:30 | 06/26/2019 14:29 | RDS |
| 78-93-3 | 2-Butanone | ND | | ug/kg dry | 3.1 | 6.2 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 14:29 | RDS |
| 591-78-6 | 2-Hexanone | ND | | ug/kg dry | 3.1 | 6.2 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 14:29 | RDS |
| 108-10-1 | 4-Methyl-2-pentanone | ND | | ug/kg dry | 3.1 | 6.2 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 14:29 | RDS |
| 67-64-1 | Acetone | ND | | ug/kg dry | 6.2 | 12 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 14:29 | RDS |
| 107-02-8 | Acrolein | ND | | ug/kg dry | 6.2 | 12 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 14:29 | RDS |
| 107-13-1 | Acrylonitrile | ND | | ug/kg dry | 3.1 | 6.2 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 14:29 | RDS |
| 71-43-2 | Benzene | ND | | ug/kg dry | 3.1 | 6.2 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 14:29 | RDS |
| 74-97-5 | Bromochloromethane | ND | | ug/kg dry | 3.1 | 6.2 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 06/26/2019 07:30 | 06/26/2019 14:29 | RDS |
| 75-27-4 | Bromodichloromethane | ND | | ug/kg dry | 3.1 | 6.2 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 14:29 | RDS |
| 75-25-2 | Bromoform | ND | | ug/kg dry | 3.1 | 6.2 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 14:29 | RDS |

## Sample Information

**Client Sample ID:** **SP-6 (10-12)** **York Sample ID:** **19F0828-12**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 18, 2019 12:00 am | 06/20/2019 |

**Volatile Organics, 8260 - Comprehensive** **Log-in Notes:** VOA-CONT **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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 74-83-9 | Bromomethane | ND | | ug/kg dry | 3.1 | 6.2 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 14:29 | RDS |
| 75-15-0 | Carbon disulfide | ND | | ug/kg dry | 3.1 | 6.2 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 14:29 | RDS |
| 56-23-5 | Carbon tetrachloride | ND | | ug/kg dry | 3.1 | 6.2 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 14:29 | RDS |
| 108-90-7 | Chlorobenzene | ND | | ug/kg dry | 3.1 | 6.2 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 14:29 | RDS |
| 75-00-3 | Chloroethane | ND | | ug/kg dry | 3.1 | 6.2 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 14:29 | RDS |
| 67-66-3 | Chloroform | ND | | ug/kg dry | 3.1 | 6.2 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 14:29 | RDS |
| 74-87-3 | Chloromethane | ND | | ug/kg dry | 3.1 | 6.2 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 14:29 | RDS |
| 156-59-2 | cis-1,2-Dichloroethylene | ND | | ug/kg dry | 3.1 | 6.2 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 14:29 | RDS |
| 10061-01-5 | cis-1,3-Dichloropropylene | ND | | ug/kg dry | 3.1 | 6.2 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 14:29 | RDS |
| 110-82-7 | Cyclohexane | ND | | ug/kg dry | 3.1 | 6.2 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 06/26/2019 07:30 | 06/26/2019 14:29 | RDS |
| 124-48-1 | Dibromochloromethane | ND | | ug/kg dry | 3.1 | 6.2 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 06/26/2019 07:30 | 06/26/2019 14:29 | RDS |
| 74-95-3 | Dibromomethane | ND | | ug/kg dry | 3.1 | 6.2 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 06/26/2019 07:30 | 06/26/2019 14:29 | RDS |
| 75-71-8 | Dichlorodifluoromethane | ND | | ug/kg dry | 3.1 | 6.2 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 06/26/2019 07:30 | 06/26/2019 14:29 | RDS |
| 100-41-4 | Ethyl Benzene | ND | | ug/kg dry | 3.1 | 6.2 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 14:29 | RDS |
| 87-68-3 | Hexachlorobutadiene | ND | | ug/kg dry | 3.1 | 6.2 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 06/26/2019 07:30 | 06/26/2019 14:29 | RDS |
| 98-82-8 | Isopropylbenzene | ND | | ug/kg dry | 3.1 | 6.2 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 14:29 | RDS |
| 79-20-9 | Methyl acetate | ND | | ug/kg dry | 3.1 | 6.2 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 06/26/2019 07:30 | 06/26/2019 14:29 | RDS |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | | ug/kg dry | 3.1 | 6.2 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 14:29 | RDS |
| 108-87-2 | Methylcyclohexane | ND | | ug/kg dry | 3.1 | 6.2 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 06/26/2019 07:30 | 06/26/2019 14:29 | RDS |
| 75-09-2 | Methylene chloride | ND | | ug/kg dry | 6.2 | 12 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 14:29 | RDS |
| 104-51-8 | n-Butylbenzene | ND | | ug/kg dry | 3.1 | 6.2 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 14:29 | RDS |

## Sample Information

**Client Sample ID:** **SP-6 (10-12)** **York Sample ID:** **19F0828-12**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 18, 2019 12:00 am | 06/20/2019 |

**Volatile Organics, 8260 - Comprehensive**

**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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 103-65-1 | n-Propylbenzene | ND | | ug/kg dry | 3.1 | 6.2 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 14:29 | RDS |
| 95-47-6 | o-Xylene | ND | | ug/kg dry | 3.1 | 6.2 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA | 06/26/2019 07:30 | 06/26/2019 14:29 | RDS |
| 179601-23-1 | p- & m- Xylenes | ND | | ug/kg dry | 6.2 | 12 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA | 06/26/2019 07:30 | 06/26/2019 14:29 | RDS |
| 99-87-6 | p-Isopropyltoluene | ND | | ug/kg dry | 3.1 | 6.2 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 14:29 | RDS |
| 135-98-8 | sec-Butylbenzene | ND | | ug/kg dry | 3.1 | 6.2 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 14:29 | RDS |
| 100-42-5 | Styrene | ND | | ug/kg dry | 3.1 | 6.2 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 14:29 | RDS |
| 75-65-0 | tert-Butyl alcohol (TBA) | ND | | ug/kg dry | 3.1 | 31 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 06/26/2019 07:30 | 06/26/2019 14:29 | RDS |
| 98-06-6 | tert-Butylbenzene | ND | | ug/kg dry | 3.1 | 6.2 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 14:29 | RDS |
| 127-18-4 | Tetrachloroethylene | ND | | ug/kg dry | 3.1 | 6.2 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 14:29 | RDS |
| 108-88-3 | Toluene | ND | | ug/kg dry | 3.1 | 6.2 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 14:29 | RDS |
| 156-60-5 | trans-1,2-Dichloroethylene | ND | | ug/kg dry | 3.1 | 6.2 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 14:29 | RDS |
| 10061-02-6 | trans-1,3-Dichloropropylene | ND | | ug/kg dry | 3.1 | 6.2 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 14:29 | RDS |
| 110-57-6 | * trans-1,4-dichloro-2-butene | ND | | ug/kg dry | 3.1 | 6.2 | 1 | EPA 8260C<br>Certifications: CTDOH | 06/26/2019 07:30 | 06/26/2019 14:29 | RDS |
| 79-01-6 | Trichloroethylene | ND | | ug/kg dry | 3.1 | 6.2 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 14:29 | RDS |
| 75-69-4 | Trichlorofluoromethane | ND | | ug/kg dry | 3.1 | 6.2 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 14:29 | RDS |
| 75-01-4 | Vinyl Chloride | ND | | ug/kg dry | 3.1 | 6.2 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 14:29 | RDS |
| 1330-20-7 | Xylenes, Total | ND | | ug/kg dry | 9.3 | 19 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 14:29 | RDS |

| | Surrogate Recoveries | Result | Acceptance Range |
|---|---|---|---|
| 17060-07-0 | *Surrogate: SURR: 1,2-Dichloroethane-d4* | *108 %* | *77-125* |
| 2037-26-5 | *Surrogate: SURR: Toluene-d8* | *96.4 %* | *85-120* |
| 460-00-4 | *Surrogate: SURR: p-Bromofluorobenzene* | *106 %* | *76-130* |

## Sample Information

**Client Sample ID:** **SP-6 (10-12)** **York Sample ID:** **19F0828-12**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 18, 2019 12:00 am | 06/20/2019 |

**Semi-Volatiles, 8270 - Comprehensive** **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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 92-52-4 | 1,1-Biphenyl | ND | | ug/kg dry | 51.4 | 102 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:45 | SR |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg dry | 102 | 205 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:45 | SR |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | ug/kg dry | 51.4 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:45 | SR |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | ug/kg dry | 51.4 | 102 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP | 06/25/2019 14:22 | 06/26/2019 21:45 | SR |
| 122-66-7 | 1,2-Diphenylhydrazine (as Azobenzene) | ND | | ug/kg dry | 51.4 | 102 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:45 | SR |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | ug/kg dry | 51.4 | 102 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP | 06/25/2019 14:22 | 06/26/2019 21:45 | SR |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | ug/kg dry | 51.4 | 102 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP | 06/25/2019 14:22 | 06/26/2019 21:45 | SR |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | ND | | ug/kg dry | 102 | 205 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:45 | SR |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | | ug/kg dry | 51.4 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:45 | SR |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | | ug/kg dry | 51.4 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:45 | SR |
| 120-83-2 | 2,4-Dichlorophenol | ND | | ug/kg dry | 51.4 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:45 | SR |
| 105-67-9 | 2,4-Dimethylphenol | ND | | ug/kg dry | 51.4 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:45 | SR |
| 51-28-5 | 2,4-Dinitrophenol | ND | | ug/kg dry | 102 | 205 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:45 | SR |
| 121-14-2 | 2,4-Dinitrotoluene | ND | | ug/kg dry | 51.4 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:45 | SR |
| 606-20-2 | 2,6-Dinitrotoluene | ND | | ug/kg dry | 51.4 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:45 | SR |
| 91-58-7 | 2-Chloronaphthalene | ND | | ug/kg dry | 51.4 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:45 | SR |
| 95-57-8 | 2-Chlorophenol | ND | | ug/kg dry | 51.4 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:45 | SR |
| 91-57-6 | 2-Methylnaphthalene | ND | | ug/kg dry | 51.4 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:45 | SR |
| 95-48-7 | 2-Methylphenol | ND | | ug/kg dry | 51.4 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:45 | SR |
| 88-74-4 | 2-Nitroaniline | ND | | ug/kg dry | 102 | 205 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:45 | SR |
| 88-75-5 | 2-Nitrophenol | ND | | ug/kg dry | 51.4 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:45 | SR |

## Sample Information

**Client Sample ID:** **SP-6 (10-12)** **York Sample ID:** **19F0828-12**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 18, 2019 12:00 am | 06/20/2019 |

**Semi-Volatiles, 8270 - Comprehensive** **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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 65794-96-9 | 3- & 4-Methylphenols | ND | | ug/kg dry | 51.4 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:45 | SR |
| 91-94-1 | 3,3-Dichlorobenzidine | ND | | ug/kg dry | 51.4 | 102 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:45 | SR |
| 99-09-2 | 3-Nitroaniline | ND | | ug/kg dry | 102 | 205 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:45 | SR |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | ND | | ug/kg dry | 102 | 205 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:45 | SR |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | | ug/kg dry | 51.4 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:45 | SR |
| 59-50-7 | 4-Chloro-3-methylphenol | ND | | ug/kg dry | 51.4 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:45 | SR |
| 106-47-8 | 4-Chloroaniline | ND | | ug/kg dry | 51.4 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:45 | SR |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | | ug/kg dry | 51.4 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:45 | SR |
| 100-01-6 | 4-Nitroaniline | ND | | ug/kg dry | 102 | 205 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:45 | SR |
| 100-02-7 | 4-Nitrophenol | ND | | ug/kg dry | 102 | 205 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:45 | SR |
| 83-32-9 | Acenaphthene | ND | | ug/kg dry | 51.4 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:45 | SR |
| 208-96-8 | Acenaphthylene | ND | | ug/kg dry | 51.4 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:45 | SR |
| 98-86-2 | Acetophenone | ND | | ug/kg dry | 51.4 | 102 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:45 | SR |
| 62-53-3 | Aniline | ND | | ug/kg dry | 205 | 410 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:45 | SR |
| 120-12-7 | Anthracene | ND | | ug/kg dry | 51.4 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:45 | SR |
| 1912-24-9 | Atrazine | ND | | ug/kg dry | 51.4 | 102 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:45 | SR |
| 100-52-7 | Benzaldehyde | ND | | ug/kg dry | 51.4 | 102 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:45 | SR |
| 92-87-5 | Benzidine | ND | | ug/kg dry | 205 | 410 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,PADEP | 06/25/2019 14:22 | 06/26/2019 21:45 | SR |
| 56-55-3 | **Benzo(a)anthracene** | **62.3** | J | ug/kg dry | 51.4 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:45 | SR |
| 50-32-8 | **Benzo(a)pyrene** | **60.6** | J | ug/kg dry | 51.4 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:45 | SR |
| 205-99-2 | **Benzo(b)fluoranthene** | **53.2** | J | ug/kg dry | 51.4 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:45 | SR |
| 191-24-2 | Benzo(g,h,i)perylene | ND | | ug/kg dry | 51.4 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:45 | SR |

## Sample Information

**Client Sample ID:** **SP-6 (10-12)** **York Sample ID:** **19F0828-12**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 18, 2019 12:00 am | 06/20/2019 |

**Semi-Volatiles, 8270 - Comprehensive** **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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 207-08-9 | Benzo(k)fluoranthene | ND | | ug/kg dry | 51.4 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:45 | SR |
| 65-85-0 | Benzoic acid | ND | | ug/kg dry | 51.4 | 102 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:45 | SR |
| 100-51-6 | Benzyl alcohol | ND | | ug/kg dry | 51.4 | 102 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:45 | SR |
| 85-68-7 | Benzyl butyl phthalate | ND | | ug/kg dry | 51.4 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:45 | SR |
| 111-91-1 | Bis(2-chloroethoxy)methane | ND | | ug/kg dry | 51.4 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:45 | SR |
| 111-44-4 | Bis(2-chloroethyl)ether | ND | | ug/kg dry | 51.4 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:45 | SR |
| 108-60-1 | Bis(2-chloroisopropyl)ether | ND | | ug/kg dry | 51.4 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:45 | SR |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | ND | | ug/kg dry | 51.4 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:45 | SR |
| 105-60-2 | Caprolactam | ND | | ug/kg dry | 102 | 205 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:45 | SR |
| 86-74-8 | Carbazole | ND | | ug/kg dry | 51.4 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:45 | SR |
| 218-01-9 | **Chrysene** | **62.3** | J | ug/kg dry | 51.4 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:45 | SR |
| 53-70-3 | Dibenzo(a,h)anthracene | ND | | ug/kg dry | 51.4 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:45 | SR |
| 132-64-9 | Dibenzofuran | ND | | ug/kg dry | 51.4 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:45 | SR |
| 84-66-2 | Diethyl phthalate | ND | | ug/kg dry | 51.4 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:45 | SR |
| 131-11-3 | Dimethyl phthalate | ND | | ug/kg dry | 51.4 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:45 | SR |
| 84-74-2 | Di-n-butyl phthalate | ND | | ug/kg dry | 51.4 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:45 | SR |
| 117-84-0 | Di-n-octyl phthalate | ND | | ug/kg dry | 51.4 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:45 | SR |
| 206-44-0 | **Fluoranthene** | **143** | | ug/kg dry | 51.4 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:45 | SR |
| 86-73-7 | Fluorene | ND | | ug/kg dry | 51.4 | 102 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:45 | SR |
| 118-74-1 | Hexachlorobenzene | ND | | ug/kg dry | 51.4 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:45 | SR |
| 87-68-3 | Hexachlorobutadiene | ND | | ug/kg dry | 51.4 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:45 | SR |
| 77-47-4 | Hexachlorocyclopentadiene | ND | | ug/kg dry | 51.4 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:45 | SR |

## Sample Information

**Client Sample ID:** **SP-6 (10-12)** **York Sample ID:** **19F0828-12**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 18, 2019 12:00 am | 06/20/2019 |

### Semi-Volatiles, 8270 - Comprehensive

**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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 67-72-1 | Hexachloroethane | ND | | ug/kg dry | 51.4 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:45 | SR |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | ND | | ug/kg dry | 51.4 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:45 | SR |
| 78-59-1 | Isophorone | ND | | ug/kg dry | 51.4 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:45 | SR |
| 91-20-3 | Naphthalene | ND | | ug/kg dry | 51.4 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:45 | SR |
| 98-95-3 | Nitrobenzene | ND | | ug/kg dry | 51.4 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:45 | SR |
| 62-75-9 | N-Nitrosodimethylamine | ND | | ug/kg dry | 51.4 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:45 | SR |
| 621-64-7 | N-nitroso-di-n-propylamine | ND | | ug/kg dry | 51.4 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:45 | SR |
| 86-30-6 | N-Nitrosodiphenylamine | ND | | ug/kg dry | 51.4 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:45 | SR |
| 87-86-5 | Pentachlorophenol | ND | | ug/kg dry | 51.4 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:45 | SR |
| 85-01-8 | **Phenanthrene** | **141** | | ug/kg dry | 51.4 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:45 | SR |
| 108-95-2 | Phenol | ND | | ug/kg dry | 51.4 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:45 | SR |
| 129-00-0 | **Pyrene** | **124** | | ug/kg dry | 51.4 | 102 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 21:45 | SR |

| | Surrogate Recoveries | Result | Acceptance Range |
|---|---|---|---|
| 367-12-4 | *Surrogate: SURR: 2-Fluorophenol* | *61.8 %* | *20-108* |
| 4165-62-2 | *Surrogate: SURR: Phenol-d5* | *59.8 %* | *23-114* |
| 4165-60-0 | *Surrogate: SURR: Nitrobenzene-d5* | *59.2 %* | *22-108* |
| 321-60-8 | *Surrogate: SURR: 2-Fluorobiphenyl* | *60.1 %* | *21-113* |
| 118-79-6 | *Surrogate: SURR: 2,4,6-Tribromophenol* | *101 %* | *19-110* |
| 1718-51-0 | *Surrogate: SURR: Terphenyl-d14* | *68.4 %* | *24-116* |

### Pesticides, 8081 target list

**Log-in Notes:** VOA-CON T **Sample Notes:**

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 72-54-8 | 4,4'-DDD | ND | | ug/kg dry | 2.03 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 20:18 | CM |
| 72-55-9 | 4,4'-DDE | ND | | ug/kg dry | 2.03 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 20:18 | CM |

## Sample Information

**Client Sample ID:** **SP-6 (10-12)** **York Sample ID:** **19F0828-12**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 18, 2019 12:00 am | 06/20/2019 |

**Pesticides, 8081 target list**

**Log-in Notes:** VOA-CON T **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 |
|---|---|---|---|---|---|---|---|---|---|---|
| 50-29-3 | 4,4'-DDT | ND | | ug/kg dry | 2.03 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 20:18 | CM |
| 309-00-2 | Aldrin | ND | | ug/kg dry | 2.03 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 20:18 | CM |
| 319-84-6 | alpha-BHC | ND | | ug/kg dry | 2.03 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 20:18 | CM |
| 5103-71-9 | alpha-Chlordane | ND | | ug/kg dry | 2.03 | 5 | EPA 8081B<br>Certifications: NELAC-NY10854,NJDEP | 06/25/2019 14:19 | 06/26/2019 20:18 | CM |
| 319-85-7 | beta-BHC | ND | | ug/kg dry | 2.03 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 20:18 | CM |
| 57-74-9 | Chlordane, total | ND | | ug/kg dry | 40.6 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 20:18 | CM |
| 319-86-8 | delta-BHC | ND | | ug/kg dry | 2.03 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 20:18 | CM |
| 60-57-1 | Dieldrin | ND | | ug/kg dry | 2.03 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 20:18 | CM |
| 959-98-8 | Endosulfan I | ND | | ug/kg dry | 2.03 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 20:18 | CM |
| 33213-65-9 | Endosulfan II | ND | | ug/kg dry | 2.03 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854 | 06/25/2019 14:19 | 06/26/2019 20:18 | CM |
| 1031-07-8 | Endosulfan sulfate | ND | | ug/kg dry | 2.03 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 20:18 | CM |
| 72-20-8 | Endrin | ND | | ug/kg dry | 2.03 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 20:18 | CM |
| 7421-93-4 | Endrin aldehyde | ND | | ug/kg dry | 2.03 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 20:18 | CM |
| 53494-70-5 | Endrin ketone | ND | | ug/kg dry | 2.03 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 20:18 | CM |
| 58-89-9 | gamma-BHC (Lindane) | ND | | ug/kg dry | 2.03 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 20:18 | CM |
| 5566-34-7 | gamma-Chlordane | ND | | ug/kg dry | 2.03 | 5 | EPA 8081B<br>Certifications: NELAC-NY10854,NJDEP | 06/25/2019 14:19 | 06/26/2019 20:18 | CM |
| 76-44-8 | Heptachlor | ND | | ug/kg dry | 2.03 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 20:18 | CM |
| 1024-57-3 | Heptachlor epoxide | ND | | ug/kg dry | 2.03 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 20:18 | CM |
| 72-43-5 | Methoxychlor | ND | | ug/kg dry | 10.1 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 20:18 | CM |
| 8001-35-2 | Toxaphene | ND | | ug/kg dry | 103 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 20:18 | CM |

| | Surrogate Recoveries | Result | Acceptance Range |
|---|---|---|---|
| 2051-24-3 | *Surrogate: Decachlorobiphenyl* | *89.0 %* | *30-150* |
| 877-09-8 | *Surrogate: Tetrachloro-m-xylene* | *82.6 %* | *30-150* |

## Sample Information

**Client Sample ID:** **SP-6 (10-12)** **York Sample ID:** **19F0828-12**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 18, 2019 12:00 am | 06/20/2019 |

### Polychlorinated Biphenyls (PCB)

**Log-in Notes:** VOA-CON T **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 | 0.0205 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 14:56 | SR |
| 11104-28-2 | Aroclor 1221 | ND | | mg/kg dry | 0.0205 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 14:56 | SR |
| 11141-16-5 | Aroclor 1232 | ND | | mg/kg dry | 0.0205 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 14:56 | SR |
| 53469-21-9 | Aroclor 1242 | ND | | mg/kg dry | 0.0205 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 14:56 | SR |
| 12672-29-6 | Aroclor 1248 | ND | | mg/kg dry | 0.0205 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 14:56 | SR |
| 11097-69-1 | Aroclor 1254 | ND | | mg/kg dry | 0.0205 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 14:56 | SR |
| 11096-82-5 | Aroclor 1260 | ND | | mg/kg dry | 0.0205 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 14:56 | SR |
| 1336-36-3 | * Total PCBs | ND | | mg/kg dry | 0.0205 | 1 | EPA 8082A<br>Certifications: | 06/25/2019 14:19 | 06/26/2019 14:56 | SR |

| | Surrogate Recoveries | Result | Acceptance Range |
|---|---|---|---|
| 877-09-8 | *Surrogate: Tetrachloro-m-xylene* | *83.5 %* | *30-140* |
| 2051-24-3 | *Surrogate: Decachlorobiphenyl* | *78.5 %* | *30-140* |

### Metals, Target Analyte

**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 |
|---|---|---|---|---|---|---|---|---|---|---|
| 7429-90-5 | **Aluminum** | **11900** | | mg/kg dry | 6.21 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:50 | KML |
| 7440-36-0 | Antimony | ND | | mg/kg dry | 3.10 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:50 | KML |
| 7440-38-2 | **Arsenic** | **5.29** | | mg/kg dry | 1.86 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:50 | KML |
| 7440-39-3 | **Barium** | **84.2** | | mg/kg dry | 3.10 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:50 | KML |
| 7440-41-7 | **Beryllium** | **0.819** | B | mg/kg dry | 0.062 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:50 | KML |
| 7440-43-9 | Cadmium | ND | | mg/kg dry | 0.372 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:50 | KML |
| 7440-70-2 | **Calcium** | **1730** | | mg/kg dry | 6.21 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:50 | KML |
| 7440-47-3 | **Chromium** | **22.9** | | mg/kg dry | 0.621 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:50 | KML |
| 7440-48-4 | **Cobalt** | **8.07** | | mg/kg dry | 0.496 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:50 | KML |

## Sample Information

**Client Sample ID:** **SP-6 (10-12)** **York Sample ID:** **19F0828-12**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 18, 2019 12:00 am | 06/20/2019 |

### Metals, Target Analyte

**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 |
|---|---|---|---|---|---|---|---|---|---|---|
| 7440-50-8 | **Copper** | **18.8** | | mg/kg dry | 2.48 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:50 | KML |
| 7439-89-6 | **Iron** | **36300** | | mg/kg dry | 31.0 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:50 | KML |
| 7439-92-1 | **Lead** | **8.80** | | mg/kg dry | 0.621 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:50 | KML |
| 7439-95-4 | **Magnesium** | **2310** | | mg/kg dry | 6.21 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:50 | KML |
| 7439-96-5 | **Manganese** | **457** | | mg/kg dry | 0.621 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:50 | KML |
| 7440-02-0 | **Nickel** | **18.4** | | mg/kg dry | 1.24 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:50 | KML |
| 7440-09-7 | **Potassium** | **783** | | mg/kg dry | 6.21 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:50 | KML |
| 7782-49-2 | Selenium | ND | | mg/kg dry | 3.10 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:50 | KML |
| 7440-22-4 | Silver | ND | | mg/kg dry | 0.621 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:50 | KML |
| 7440-23-5 | **Sodium** | **100** | | mg/kg dry | 62.1 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:50 | KML |
| 7440-28-0 | Thallium | ND | | mg/kg dry | 3.10 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:50 | KML |
| 7440-62-2 | **Vanadium** | **20.4** | | mg/kg dry | 1.24 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:50 | KML |
| 7440-66-6 | **Zinc** | **45.8** | | mg/kg dry | 3.10 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/21/2019 11:41 | 06/21/2019 19:50 | 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** | **0.0753** | | mg/kg dry | 0.0372 | 1 | EPA 7473<br>Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP | 06/21/2019 11:52 | 06/21/2019 15:14 | 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** | **80.6** | | % | 0.100 | 1 | SM 2540G<br>Certifications: CTDOH | 06/26/2019 10:42 | 06/26/2019 14:33 | JTV |

## Sample Information

**Client Sample ID:** **SP-6 (2-4)** **York Sample ID:** **19F0828-13**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 18, 2019 12:00 am | 06/20/2019 |

**Volatile Organics, 8260 - Comprehensive** **Log-in Notes:** **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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 630-20-6 | 1,1,1,2-Tetrachloroethane | ND | | ug/kg dry | 2.8 | 5.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 14:01 | RDS |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | ug/kg dry | 2.8 | 5.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 14:01 | RDS |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | ug/kg dry | 2.8 | 5.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 14:01 | RDS |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | | ug/kg dry | 2.8 | 5.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 14:01 | RDS |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | ug/kg dry | 2.8 | 5.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 14:01 | RDS |
| 75-34-3 | 1,1-Dichloroethane | ND | | ug/kg dry | 2.8 | 5.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 14:01 | RDS |
| 75-35-4 | 1,1-Dichloroethylene | ND | | ug/kg dry | 2.8 | 5.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 14:01 | RDS |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | | ug/kg dry | 2.8 | 5.7 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 06/26/2019 07:30 | 06/26/2019 14:01 | RDS |
| 96-18-4 | 1,2,3-Trichloropropane | ND | | ug/kg dry | 2.8 | 5.7 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP | 06/26/2019 07:30 | 06/26/2019 14:01 | RDS |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | ug/kg dry | 2.8 | 5.7 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 06/26/2019 07:30 | 06/26/2019 14:01 | RDS |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | | ug/kg dry | 2.8 | 5.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 14:01 | RDS |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | | ug/kg dry | 2.8 | 5.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 14:01 | RDS |
| 106-93-4 | 1,2-Dibromoethane | ND | | ug/kg dry | 2.8 | 5.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 14:01 | RDS |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | ug/kg dry | 2.8 | 5.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 14:01 | RDS |
| 107-06-2 | 1,2-Dichloroethane | ND | | ug/kg dry | 2.8 | 5.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 14:01 | RDS |
| 78-87-5 | 1,2-Dichloropropane | ND | | ug/kg dry | 2.8 | 5.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 14:01 | RDS |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | | ug/kg dry | 2.8 | 5.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 14:01 | RDS |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | ug/kg dry | 2.8 | 5.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 14:01 | RDS |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | ug/kg dry | 2.8 | 5.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 14:01 | RDS |
| 123-91-1 | 1,4-Dioxane | ND | | ug/kg dry | 57 | 110 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 06/26/2019 07:30 | 06/26/2019 14:01 | RDS |
| 78-93-3 | 2-Butanone | ND | | ug/kg dry | 2.8 | 5.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 14:01 | RDS |

## Sample Information

**Client Sample ID:** **SP-6 (2-4)** **York Sample ID:** **19F0828-13**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 18, 2019 12:00 am | 06/20/2019 |

**Volatile Organics, 8260 - Comprehensive** **Log-in Notes:** **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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 591-78-6 | 2-Hexanone | ND | | ug/kg dry | 2.8 | 5.7 | 1 | EPA 8260C | 06/26/2019 07:30 | 06/26/2019 14:01 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 108-10-1 | 4-Methyl-2-pentanone | ND | | ug/kg dry | 2.8 | 5.7 | 1 | EPA 8260C | 06/26/2019 07:30 | 06/26/2019 14:01 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 67-64-1 | Acetone | ND | | ug/kg dry | 5.7 | 11 | 1 | EPA 8260C | 06/26/2019 07:30 | 06/26/2019 14:01 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 107-02-8 | Acrolein | ND | | ug/kg dry | 5.7 | 11 | 1 | EPA 8260C | 06/26/2019 07:30 | 06/26/2019 14:01 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 107-13-1 | Acrylonitrile | ND | | ug/kg dry | 2.8 | 5.7 | 1 | EPA 8260C | 06/26/2019 07:30 | 06/26/2019 14:01 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 71-43-2 | Benzene | ND | | ug/kg dry | 2.8 | 5.7 | 1 | EPA 8260C | 06/26/2019 07:30 | 06/26/2019 14:01 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 74-97-5 | Bromochloromethane | ND | | ug/kg dry | 2.8 | 5.7 | 1 | EPA 8260C | 06/26/2019 07:30 | 06/26/2019 14:01 | RDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | | |
| 75-27-4 | Bromodichloromethane | ND | | ug/kg dry | 2.8 | 5.7 | 1 | EPA 8260C | 06/26/2019 07:30 | 06/26/2019 14:01 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 75-25-2 | Bromoform | ND | | ug/kg dry | 2.8 | 5.7 | 1 | EPA 8260C | 06/26/2019 07:30 | 06/26/2019 14:01 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 74-83-9 | Bromomethane | ND | | ug/kg dry | 2.8 | 5.7 | 1 | EPA 8260C | 06/26/2019 07:30 | 06/26/2019 14:01 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 75-15-0 | Carbon disulfide | ND | | ug/kg dry | 2.8 | 5.7 | 1 | EPA 8260C | 06/26/2019 07:30 | 06/26/2019 14:01 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 56-23-5 | Carbon tetrachloride | ND | | ug/kg dry | 2.8 | 5.7 | 1 | EPA 8260C | 06/26/2019 07:30 | 06/26/2019 14:01 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 108-90-7 | Chlorobenzene | ND | | ug/kg dry | 2.8 | 5.7 | 1 | EPA 8260C | 06/26/2019 07:30 | 06/26/2019 14:01 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 75-00-3 | Chloroethane | ND | | ug/kg dry | 2.8 | 5.7 | 1 | EPA 8260C | 06/26/2019 07:30 | 06/26/2019 14:01 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 67-66-3 | Chloroform | ND | | ug/kg dry | 2.8 | 5.7 | 1 | EPA 8260C | 06/26/2019 07:30 | 06/26/2019 14:01 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 74-87-3 | Chloromethane | ND | | ug/kg dry | 2.8 | 5.7 | 1 | EPA 8260C | 06/26/2019 07:30 | 06/26/2019 14:01 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 156-59-2 | cis-1,2-Dichloroethylene | ND | | ug/kg dry | 2.8 | 5.7 | 1 | EPA 8260C | 06/26/2019 07:30 | 06/26/2019 14:01 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 10061-01-5 | cis-1,3-Dichloropropylene | ND | | ug/kg dry | 2.8 | 5.7 | 1 | EPA 8260C | 06/26/2019 07:30 | 06/26/2019 14:01 | RDS |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 110-82-7 | Cyclohexane | ND | | ug/kg dry | 2.8 | 5.7 | 1 | EPA 8260C | 06/26/2019 07:30 | 06/26/2019 14:01 | RDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | | |
| 124-48-1 | Dibromochloromethane | ND | | ug/kg dry | 2.8 | 5.7 | 1 | EPA 8260C | 06/26/2019 07:30 | 06/26/2019 14:01 | RDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | | |
| 74-95-3 | Dibromomethane | ND | | ug/kg dry | 2.8 | 5.7 | 1 | EPA 8260C | 06/26/2019 07:30 | 06/26/2019 14:01 | RDS |
| | | | | | | | | Certifications: | NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | | |

## Sample Information

**Client Sample ID:** **SP-6 (2-4)** **York Sample ID:** **19F0828-13**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 18, 2019 12:00 am | 06/20/2019 |

**Volatile Organics, 8260 - Comprehensive** **Log-in Notes:** **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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 75-71-8 | Dichlorodifluoromethane | ND | | ug/kg dry | 2.8 | 5.7 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 06/26/2019 07:30 | 06/26/2019 14:01 | RDS |
| 100-41-4 | Ethyl Benzene | ND | | ug/kg dry | 2.8 | 5.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 14:01 | RDS |
| 87-68-3 | Hexachlorobutadiene | ND | | ug/kg dry | 2.8 | 5.7 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 06/26/2019 07:30 | 06/26/2019 14:01 | RDS |
| 98-82-8 | Isopropylbenzene | ND | | ug/kg dry | 2.8 | 5.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 14:01 | RDS |
| 79-20-9 | Methyl acetate | ND | | ug/kg dry | 2.8 | 5.7 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 06/26/2019 07:30 | 06/26/2019 14:01 | RDS |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | | ug/kg dry | 2.8 | 5.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 14:01 | RDS |
| 108-87-2 | Methylcyclohexane | ND | | ug/kg dry | 2.8 | 5.7 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 06/26/2019 07:30 | 06/26/2019 14:01 | RDS |
| 75-09-2 | **Methylene chloride** | **9.3** | J | ug/kg dry | 5.7 | 11 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 14:01 | RDS |
| 104-51-8 | n-Butylbenzene | ND | | ug/kg dry | 2.8 | 5.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 14:01 | RDS |
| 103-65-1 | n-Propylbenzene | ND | | ug/kg dry | 2.8 | 5.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 14:01 | RDS |
| 95-47-6 | o-Xylene | ND | | ug/kg dry | 2.8 | 5.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA | 06/26/2019 07:30 | 06/26/2019 14:01 | RDS |
| 179601-23-1 | p- & m- Xylenes | ND | | ug/kg dry | 5.7 | 11 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA | 06/26/2019 07:30 | 06/26/2019 14:01 | RDS |
| 99-87-6 | p-Isopropyltoluene | ND | | ug/kg dry | 2.8 | 5.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 14:01 | RDS |
| 135-98-8 | sec-Butylbenzene | ND | | ug/kg dry | 2.8 | 5.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 14:01 | RDS |
| 100-42-5 | Styrene | ND | | ug/kg dry | 2.8 | 5.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 14:01 | RDS |
| 75-65-0 | tert-Butyl alcohol (TBA) | ND | | ug/kg dry | 2.8 | 28 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 06/26/2019 07:30 | 06/26/2019 14:01 | RDS |
| 98-06-6 | tert-Butylbenzene | ND | | ug/kg dry | 2.8 | 5.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 14:01 | RDS |
| 127-18-4 | Tetrachloroethylene | ND | | ug/kg dry | 2.8 | 5.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 14:01 | RDS |
| 108-88-3 | Toluene | ND | | ug/kg dry | 2.8 | 5.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 14:01 | RDS |
| 156-60-5 | trans-1,2-Dichloroethylene | ND | | ug/kg dry | 2.8 | 5.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 14:01 | RDS |
| 10061-02-6 | trans-1,3-Dichloropropylene | ND | | ug/kg dry | 2.8 | 5.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 14:01 | RDS |

## Sample Information

**Client Sample ID:** SP-6 (2-4) **York Sample ID:** 19F0828-13

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 18, 2019 12:00 am | 06/20/2019 |

### Volatile Organics, 8260 - Comprehensive

**Log-in Notes:**

**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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 110-57-6 | * trans-1,4-dichloro-2-butene | ND | | ug/kg dry | 2.8 | 5.7 | 1 | EPA 8260C<br>Certifications: CTDOH | 06/26/2019 07:30 | 06/26/2019 14:01 | RDS |
| 79-01-6 | Trichloroethylene | ND | | ug/kg dry | 2.8 | 5.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 14:01 | RDS |
| 75-69-4 | Trichlorofluoromethane | ND | | ug/kg dry | 2.8 | 5.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 14:01 | RDS |
| 75-01-4 | Vinyl Chloride | ND | | ug/kg dry | 2.8 | 5.7 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 14:01 | RDS |
| 1330-20-7 | Xylenes, Total | ND | | ug/kg dry | 8.5 | 17 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 06/26/2019 07:30 | 06/26/2019 14:01 | RDS |

| | Surrogate Recoveries | Result | Acceptance Range |
|---|---|---|---|
| 17060-07-0 | *Surrogate: SURR: 1,2-Dichloroethane-d4* | *109 %* | *77-125* |
| 2037-26-5 | *Surrogate: SURR: Toluene-d8* | *97.1 %* | *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 | 47.1 | 93.9 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 22:17 | SR |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | ND | | ug/kg dry | 93.9 | 188 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 22:17 | SR |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | ug/kg dry | 47.1 | 93.9 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 22:17 | SR |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | ug/kg dry | 47.1 | 93.9 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP | 06/25/2019 14:22 | 06/26/2019 22:17 | SR |
| 122-66-7 | 1,2-Diphenylhydrazine (as Azobenzene) | ND | | ug/kg dry | 47.1 | 93.9 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 22:17 | SR |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | ug/kg dry | 47.1 | 93.9 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP | 06/25/2019 14:22 | 06/26/2019 22:17 | SR |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | ug/kg dry | 47.1 | 93.9 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP | 06/25/2019 14:22 | 06/26/2019 22:17 | SR |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | ND | | ug/kg dry | 93.9 | 188 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 22:17 | SR |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | | ug/kg dry | 47.1 | 93.9 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 22:17 | SR |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | | ug/kg dry | 47.1 | 93.9 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 22:17 | SR |
| 120-83-2 | 2,4-Dichlorophenol | ND | | ug/kg dry | 47.1 | 93.9 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 22:17 | SR |

## Sample Information

**Client Sample ID:** **SP-6 (2-4)** **York Sample ID:** **19F0828-13**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 18, 2019 12:00 am | 06/20/2019 |

**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<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 22:17 | SR |
| 51-28-5 | 2,4-Dinitrophenol | ND | | ug/kg dry | 93.9 | 188 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 22:17 | SR |
| 121-14-2 | 2,4-Dinitrotoluene | ND | | ug/kg dry | 47.1 | 93.9 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 22:17 | SR |
| 606-20-2 | 2,6-Dinitrotoluene | ND | | ug/kg dry | 47.1 | 93.9 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 22:17 | SR |
| 91-58-7 | 2-Chloronaphthalene | ND | | ug/kg dry | 47.1 | 93.9 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 22:17 | SR |
| 95-57-8 | 2-Chlorophenol | ND | | ug/kg dry | 47.1 | 93.9 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 22:17 | SR |
| 91-57-6 | **2-Methylnaphthalene** | **84.1** | J | ug/kg dry | 47.1 | 93.9 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 22:17 | SR |
| 95-48-7 | 2-Methylphenol | ND | | ug/kg dry | 47.1 | 93.9 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 22:17 | SR |
| 88-74-4 | 2-Nitroaniline | ND | | ug/kg dry | 93.9 | 188 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 22:17 | SR |
| 88-75-5 | 2-Nitrophenol | ND | | ug/kg dry | 47.1 | 93.9 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 22:17 | SR |
| 65794-96-9 | 3- & 4-Methylphenols | ND | | ug/kg dry | 47.1 | 93.9 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 22:17 | SR |
| 91-94-1 | 3,3-Dichlorobenzidine | ND | | ug/kg dry | 47.1 | 93.9 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 22:17 | SR |
| 99-09-2 | 3-Nitroaniline | ND | | ug/kg dry | 93.9 | 188 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 22:17 | SR |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | ND | | ug/kg dry | 93.9 | 188 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 22:17 | SR |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | | ug/kg dry | 47.1 | 93.9 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 22:17 | SR |
| 59-50-7 | 4-Chloro-3-methylphenol | ND | | ug/kg dry | 47.1 | 93.9 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 22:17 | SR |
| 106-47-8 | 4-Chloroaniline | ND | | ug/kg dry | 47.1 | 93.9 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 22:17 | SR |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | | ug/kg dry | 47.1 | 93.9 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 22:17 | SR |
| 100-01-6 | 4-Nitroaniline | ND | | ug/kg dry | 93.9 | 188 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 22:17 | SR |
| 100-02-7 | 4-Nitrophenol | ND | | ug/kg dry | 93.9 | 188 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 22:17 | SR |
| 83-32-9 | **Acenaphthene** | **300** | | ug/kg dry | 47.1 | 93.9 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 22:17 | SR |
| 208-96-8 | **Acenaphthylene** | **228** | | ug/kg dry | 47.1 | 93.9 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 22:17 | SR |

## Sample Information

**Client Sample ID:** **SP-6 (2-4)** **York Sample ID:** **19F0828-13**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 18, 2019 12:00 am | 06/20/2019 |

**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 | 47.1 | 93.9 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 22:17 | SR |
| 62-53-3 | Aniline | ND | | ug/kg dry | 188 | 376 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 22:17 | SR |
| 120-12-7 | **Anthracene** | **947** | | ug/kg dry | 47.1 | 93.9 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 22:17 | SR |
| 1912-24-9 | Atrazine | ND | | ug/kg dry | 47.1 | 93.9 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 22:17 | SR |
| 100-52-7 | Benzaldehyde | ND | | ug/kg dry | 47.1 | 93.9 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 22:17 | SR |
| 92-87-5 | Benzidine | ND | | ug/kg dry | 188 | 376 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,PADEP | 06/25/2019 14:22 | 06/26/2019 22:17 | SR |
| 56-55-3 | **Benzo(a)anthracene** | **2430** | | ug/kg dry | 47.1 | 93.9 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 22:17 | SR |
| 50-32-8 | **Benzo(a)pyrene** | **2070** | | ug/kg dry | 47.1 | 93.9 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 22:17 | SR |
| 205-99-2 | **Benzo(b)fluoranthene** | **1940** | | ug/kg dry | 47.1 | 93.9 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 22:17 | SR |
| 191-24-2 | **Benzo(g,h,i)perylene** | **1090** | | ug/kg dry | 47.1 | 93.9 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 22:17 | SR |
| 207-08-9 | **Benzo(k)fluoranthene** | **1670** | | ug/kg dry | 47.1 | 93.9 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 22:17 | SR |
| 65-85-0 | Benzoic acid | ND | | ug/kg dry | 47.1 | 93.9 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 22:17 | SR |
| 100-51-6 | Benzyl alcohol | ND | | ug/kg dry | 47.1 | 93.9 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 22:17 | SR |
| 85-68-7 | Benzyl butyl phthalate | ND | | ug/kg dry | 47.1 | 93.9 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 22:17 | SR |
| 111-91-1 | Bis(2-chloroethoxy)methane | ND | | ug/kg dry | 47.1 | 93.9 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 22:17 | SR |
| 111-44-4 | Bis(2-chloroethyl)ether | ND | | ug/kg dry | 47.1 | 93.9 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 22:17 | SR |
| 108-60-1 | Bis(2-chloroisopropyl)ether | ND | | ug/kg dry | 47.1 | 93.9 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 22:17 | SR |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | ND | | ug/kg dry | 47.1 | 93.9 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 22:17 | SR |
| 105-60-2 | Caprolactam | ND | | ug/kg dry | 93.9 | 188 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 22:17 | SR |
| 86-74-8 | **Carbazole** | **481** | | ug/kg dry | 47.1 | 93.9 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 22:17 | SR |
| 218-01-9 | **Chrysene** | **2230** | | ug/kg dry | 47.1 | 93.9 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 22:17 | SR |
| 53-70-3 | **Dibenzo(a,h)anthracene** | **379** | | ug/kg dry | 47.1 | 93.9 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 22:17 | SR |

## Sample Information

**Client Sample ID:** **SP-6 (2-4)** **York Sample ID:** **19F0828-13**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 18, 2019 12:00 am | 06/20/2019 |

**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** | **215** | | ug/kg dry | 47.1 | 93.9 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 22:17 | SR |
| 84-66-2 | Diethyl phthalate | ND | | ug/kg dry | 47.1 | 93.9 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 22:17 | SR |
| 131-11-3 | Dimethyl phthalate | ND | | ug/kg dry | 47.1 | 93.9 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 22:17 | SR |
| 84-74-2 | Di-n-butyl phthalate | ND | | ug/kg dry | 47.1 | 93.9 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 22:17 | SR |
| 117-84-0 | Di-n-octyl phthalate | ND | | ug/kg dry | 47.1 | 93.9 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 22:17 | SR |
| 206-44-0 | **Fluoranthene** | **4960** | | ug/kg dry | 118 | 235 | 5 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/27/2019 11:07 | SR |
| 86-73-7 | **Fluorene** | **246** | | ug/kg dry | 47.1 | 93.9 | 2 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 22:17 | SR |
| 118-74-1 | Hexachlorobenzene | ND | | ug/kg dry | 47.1 | 93.9 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 22:17 | SR |
| 87-68-3 | Hexachlorobutadiene | ND | | ug/kg dry | 47.1 | 93.9 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 22:17 | SR |
| 77-47-4 | Hexachlorocyclopentadiene | ND | | ug/kg dry | 47.1 | 93.9 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 22:17 | SR |
| 67-72-1 | Hexachloroethane | ND | | ug/kg dry | 47.1 | 93.9 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 22:17 | SR |
| 193-39-5 | **Indeno(1,2,3-cd)pyrene** | **1050** | | ug/kg dry | 47.1 | 93.9 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 22:17 | SR |
| 78-59-1 | Isophorone | ND | | ug/kg dry | 47.1 | 93.9 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 22:17 | SR |
| 91-20-3 | **Naphthalene** | **121** | | ug/kg dry | 47.1 | 93.9 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 22:17 | SR |
| 98-95-3 | Nitrobenzene | ND | | ug/kg dry | 47.1 | 93.9 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 22:17 | SR |
| 62-75-9 | N-Nitrosodimethylamine | ND | | ug/kg dry | 47.1 | 93.9 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 22:17 | SR |
| 621-64-7 | N-nitroso-di-n-propylamine | ND | | ug/kg dry | 47.1 | 93.9 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 22:17 | SR |
| 86-30-6 | N-Nitrosodiphenylamine | ND | | ug/kg dry | 47.1 | 93.9 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 22:17 | SR |
| 87-86-5 | Pentachlorophenol | ND | | ug/kg dry | 47.1 | 93.9 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 22:17 | SR |
| 85-01-8 | **Phenanthrene** | **2960** | | ug/kg dry | 47.1 | 93.9 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 22:17 | SR |
| 108-95-2 | Phenol | ND | | ug/kg dry | 47.1 | 93.9 | 2 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/26/2019 22:17 | SR |
| 129-00-0 | **Pyrene** | **4530** | | ug/kg dry | 118 | 235 | 5 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:22 | 06/27/2019 11:07 | SR |

# Sample Information

**Client Sample ID:** **SP-6 (2-4)** **York Sample ID:** **19F0828-13**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 18, 2019 12:00 am | 06/20/2019 |

## 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* | *52.7 %* | | | *20-108* | | | | | | |
| 4165-62-2 | *Surrogate: SURR: Phenol-d5* | *54.9 %* | | | *23-114* | | | | | | |
| 4165-60-0 | *Surrogate: SURR: Nitrobenzene-d5* | *56.3 %* | | | *22-108* | | | | | | |
| 321-60-8 | *Surrogate: SURR: 2-Fluorobiphenyl* | *63.7 %* | | | *21-113* | | | | | | |
| 118-79-6 | *Surrogate: SURR: 2,4,6-Tribromophenol* | *88.6 %* | | | *19-110* | | | | | | |
| 1718-51-0 | *Surrogate: SURR: Terphenyl-d14* | *67.8 %* | | | *24-116* | | | | | | |

## Pesticides, 8081 target list

**Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 72-54-8 | 4,4'-DDD | ND | | ug/kg dry | 1.86 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 20:33 | CM |
| 72-55-9 | 4,4'-DDE | ND | | ug/kg dry | 1.86 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 20:33 | CM |
| 50-29-3 | **4,4'-DDT** | **19.0** | | ug/kg dry | 1.86 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 20:33 | CM |
| 309-00-2 | Aldrin | ND | | ug/kg dry | 1.86 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 20:33 | CM |
| 319-84-6 | alpha-BHC | ND | | ug/kg dry | 1.86 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 20:33 | CM |
| 5103-71-9 | alpha-Chlordane | ND | | ug/kg dry | 1.86 | 5 | EPA 8081B<br>Certifications: NELAC-NY10854,NJDEP | 06/25/2019 14:19 | 06/26/2019 20:33 | CM |
| 319-85-7 | beta-BHC | ND | | ug/kg dry | 1.86 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 20:33 | CM |
| 57-74-9 | Chlordane, total | ND | | ug/kg dry | 37.2 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 20:33 | CM |
| 319-86-8 | delta-BHC | ND | | ug/kg dry | 1.86 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 20:33 | CM |
| 60-57-1 | Dieldrin | ND | | ug/kg dry | 1.86 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 20:33 | CM |
| 959-98-8 | Endosulfan I | ND | | ug/kg dry | 1.86 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 20:33 | CM |
| 33213-65-9 | Endosulfan II | ND | | ug/kg dry | 1.86 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854 | 06/25/2019 14:19 | 06/26/2019 20:33 | CM |
| 1031-07-8 | Endosulfan sulfate | ND | | ug/kg dry | 1.86 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 20:33 | CM |
| 72-20-8 | Endrin | ND | | ug/kg dry | 1.86 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 20:33 | CM |

## Sample Information

**Client Sample ID:** **SP-6 (2-4)** **York Sample ID:** **19F0828-13**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 18, 2019 12:00 am | 06/20/2019 |

### Pesticides, 8081 target list

**Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 7421-93-4 | Endrin aldehyde | ND | | ug/kg dry | 1.86 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 20:33 | CM |
| 53494-70-5 | Endrin ketone | ND | | ug/kg dry | 1.86 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 20:33 | CM |
| 58-89-9 | gamma-BHC (Lindane) | ND | | ug/kg dry | 1.86 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 20:33 | CM |
| 5566-34-7 | gamma-Chlordane | ND | | ug/kg dry | 1.86 | 5 | EPA 8081B<br>Certifications: NELAC-NY10854,NJDEP | 06/25/2019 14:19 | 06/26/2019 20:33 | CM |
| 76-44-8 | Heptachlor | ND | | ug/kg dry | 1.86 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 20:33 | CM |
| 1024-57-3 | Heptachlor epoxide | ND | | ug/kg dry | 1.86 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 20:33 | CM |
| 72-43-5 | Methoxychlor | ND | | ug/kg dry | 9.29 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 20:33 | CM |
| 8001-35-2 | Toxaphene | ND | | ug/kg dry | 94.1 | 5 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 14:19 | 06/26/2019 20:33 | CM |

| | Surrogate Recoveries | Result | Acceptance Range |
|---|---|---|---|
| 2051-24-3 | *Surrogate: Decachlorobiphenyl* | *72.6 %* | *30-150* |
| 877-09-8 | *Surrogate: Tetrachloro-m-xylene* | *40.4 %* | *30-150* |

### Polychlorinated Biphenyls (PCB)

**Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 12674-11-2 | Aroclor 1016 | ND | | mg/kg dry | 0.0188 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 06/25/2019 14:19 | 06/27/2019 10:51 | SR |
| 11104-28-2 | Aroclor 1221 | ND | | mg/kg dry | 0.0188 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 06/25/2019 14:19 | 06/27/2019 10:51 | SR |
| 11141-16-5 | Aroclor 1232 | ND | | mg/kg dry | 0.0188 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 06/25/2019 14:19 | 06/27/2019 10:51 | SR |
| 53469-21-9 | Aroclor 1242 | ND | | mg/kg dry | 0.0188 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 06/25/2019 14:19 | 06/27/2019 10:51 | SR |
| 12672-29-6 | Aroclor 1248 | ND | | mg/kg dry | 0.0188 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 06/25/2019 14:19 | 06/27/2019 10:51 | SR |
| 11097-69-1 | Aroclor 1254 | ND | | mg/kg dry | 0.0188 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 06/25/2019 14:19 | 06/27/2019 10:51 | SR |
| 11096-82-5 | Aroclor 1260 | ND | | mg/kg dry | 0.0188 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 06/25/2019 14:19 | 06/27/2019 10:51 | SR |
| 1336-36-3 | * Total PCBs | ND | | mg/kg dry | 0.0188 | 1 | EPA 8082A<br>Certifications: | 06/25/2019 14:19 | 06/27/2019 10:51 | SR |

| | Surrogate Recoveries | Result | Acceptance Range |
|---|---|---|---|
| 877-09-8 | *Surrogate: Tetrachloro-m-xylene* | *81.0 %* | *30-140* |

## Sample Information

**Client Sample ID:** **SP-6 (2-4)** **York Sample ID:** **19F0828-13**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 18, 2019 12:00 am | 06/20/2019 |

### 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 |
|---|---|---|---|---|---|---|---|---|---|---|
| 2051-24-3 | *Surrogate: Decachlorobiphenyl* | *65.0 %* | | | *30-140* | | | | | |

### Metals, Target Analyte

**Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3050B

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 7429-90-5 | **Aluminum** | **6160** | | mg/kg dry | 5.67 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 11:04 | 06/26/2019 13:38 | KML |
| 7440-36-0 | Antimony | ND | | mg/kg dry | 2.83 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 11:04 | 06/26/2019 13:38 | KML |
| 7440-38-2 | **Arsenic** | **6.43** | | mg/kg dry | 1.70 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 11:04 | 06/26/2019 13:38 | KML |
| 7440-39-3 | **Barium** | **173** | | mg/kg dry | 2.83 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 11:04 | 06/26/2019 13:38 | KML |
| 7440-41-7 | Beryllium | ND | | mg/kg dry | 0.057 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 11:04 | 06/26/2019 13:38 | KML |
| 7440-43-9 | Cadmium | ND | | mg/kg dry | 0.340 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 11:04 | 06/26/2019 13:38 | KML |
| 7440-70-2 | **Calcium** | **12200** | | mg/kg dry | 5.67 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 11:04 | 06/26/2019 13:38 | KML |
| 7440-47-3 | **Chromium** | **16.8** | | mg/kg dry | 0.567 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 11:04 | 06/26/2019 13:38 | KML |
| 7440-48-4 | **Cobalt** | **7.40** | | mg/kg dry | 0.454 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 11:04 | 06/26/2019 13:38 | KML |
| 7440-50-8 | **Copper** | **35.8** | | mg/kg dry | 2.27 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 11:04 | 06/26/2019 13:38 | KML |
| 7439-89-6 | **Iron** | **13900** | | mg/kg dry | 28.3 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 11:04 | 06/26/2019 13:38 | KML |
| 7439-92-1 | **Lead** | **327** | | mg/kg dry | 0.567 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 11:04 | 06/26/2019 13:38 | KML |
| 7439-95-4 | **Magnesium** | **3190** | | mg/kg dry | 5.67 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 11:04 | 06/26/2019 13:38 | KML |
| 7439-96-5 | **Manganese** | **288** | | mg/kg dry | 0.567 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 11:04 | 06/26/2019 13:38 | KML |
| 7440-02-0 | **Nickel** | **12.5** | | mg/kg dry | 1.13 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 11:04 | 06/26/2019 13:38 | KML |
| 7440-09-7 | **Potassium** | **916** | | mg/kg dry | 5.67 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 11:04 | 06/26/2019 13:38 | KML |
| 7782-49-2 | Selenium | ND | | mg/kg dry | 2.83 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 11:04 | 06/26/2019 13:38 | KML |
| 7440-22-4 | Silver | ND | | mg/kg dry | 0.567 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 11:04 | 06/26/2019 13:38 | KML |
| 7440-23-5 | **Sodium** | **158** | | mg/kg dry | 56.7 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 11:04 | 06/26/2019 13:38 | KML |

## Sample Information

**Client Sample ID:** **SP-6 (2-4)** **York Sample ID:** **19F0828-13**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F0828 | 1036 Manhattan Ave | Soil | June 18, 2019 12:00 am | 06/20/2019 |

### 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 |
|---|---|---|---|---|---|---|---|---|---|---|
| 7440-28-0 | Thallium | ND | | mg/kg dry | 2.83 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 11:04 | 06/26/2019 13:38 | KML |
| 7440-62-2 | **Vanadium** | **19.9** | | mg/kg dry | 1.13 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 11:04 | 06/26/2019 13:38 | KML |
| 7440-66-6 | **Zinc** | **353** | | mg/kg dry | 2.83 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 06/25/2019 11:04 | 06/26/2019 13:38 | 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** | **1.10** | | mg/kg dry | 0.0340 | 1 | EPA 7473<br>Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP | 06/25/2019 14:09 | 06/25/2019 19:40 | 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** | **88.2** | | % | 0.100 | 1 | SM 2540G<br>Certifications: CTDOH | 06/26/2019 10:42 | 06/26/2019 14:33 | JTV |

## Volatile Analysis Sample Containers

| Lab ID | Client Sample ID | Volatile Sample Container |
|---|---|---|
| 19F0828-01 | SP-1 (0-2) | 40mL Vial with Stir Bar-Cool 4° C |
| 19F0828-02 | SP-1 (2-4) | 40mL Vial with Stir Bar-Cool 4° C |
| 19F0828-03 | SP-2 (0-2) | 40mL Vial with Stir Bar-Cool 4° C |
| 19F0828-04 | SP-2 (2-4) | 40mL Vial with Stir Bar-Cool 4° C |
| 19F0828-05 | SP-3 (0-2) | 40mL Vial with Stir Bar-Cool 4° C |
| 19F0828-06 | SP-3 (2-4) | 40mL Vial with Stir Bar-Cool 4° C |
| 19F0828-07 | SP-4 (0-2) | 40mL Vial with Stir Bar-Cool 4° C |
| 19F0828-08 | SP-4 (2-4) | 40mL Vial with Stir Bar-Cool 4° C |
| 19F0828-09 | SP-5 (0-2) | 8 oz. WM Clear Glass Cool to 4° C |
| 19F0828-10 | SP-5 (2-4) | 8 oz. WM Clear Glass Cool to 4° C |
| 19F0828-11 | SP-6 (0-2) | 8 oz. WM Clear Glass Cool to 4° C |
| 19F0828-12 | SP-6 (10-12) | 8 oz. WM Clear Glass Cool to 4° C |
| 19F0828-13 | SP-6 (2-4) | 8 oz. WM Clear Glass 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. |
| S-08 | The recovery of this surrogate was outside of QC limits. |
| QL-02 | This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature. |
| M-MBLk | Analyte was detected in the batch method blank above the Reporting Limit. |
| M-ICV2 | The recovery for this element in the ICV was outside the 90-110% recovery criteria. |
| M-CRL | The RL check for this element recovered outside of control limits. |
| J | Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration. |
| 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.

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YORK ANALYTICAL LABORATORIES
120 RESEARCH DR.
STRATFORD, CT 06615
(203) 325-1371
FAX (203) 357-0166

# Field Chain-of-Custody Record



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.** 19F0828

| YOUR Information | Report To: | Invoice To: | YOUR Project ID | Turn-Around Time | Report Type |
|---|---|---|---|---|---|
| Company: Touchstone Environmental Geology, PC | Touchstone Environmental Geology, PC<br>Company: | Company: Touchstone Environmental Geology, PC | 1036 Manhattan Ave<br>190050 | RUSH - Same Day ☐ | Summary Report X |
| Address: | Address: | Address: | | RUSH - Next Day ☐ | Summary w/ QA Summary |
| | | | Purchase Order No. | RUSH - Two Day ☐ | CT RCP Package |
| Phone No. | Phone No. | Phone No. | | RUSH - Three Day ☐ | CTRCP DQA/DUE Pkg |
| Contact Person: | Attention: | Attention: | 190050Y | RUSH - Four Day ☐ | NY ASP A Package |
| E-Mail Address: rachel@touchstoneenv.com | E-Mail Address: | E-Mail Address: | Samples from: CT___ NY___ NJ___ | Standard(5-7 Days) ☑ | NY ASP B Package |
| | | | | | NJDEP Red. Deliv. |
| | | | | | Electronic Data Deliverables (EDD) |
| | | | | | Simple Excel |
| | | | | | NYSDEC EQuIS |
| | | | | | EQuIS (std) |
| | | | | | EZ-EDD (EQuIS) |
| | | | | | NJDEP SRP HazSite EDD |
| | | | | | GIS/KEY (std) |
| | | | | | Other |
| | | | | | York Regulatory Comparison |
| | | | | | Excel Spreadsheet * |
| | | | | | Compare to the following (type limit list): |
| | | | | | RUSCO and UUSCO |

***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.***

Mehmet Alaman

Samples Collected/Authorized By (Signature)

Name (printed)

| Volatiles | | Semi-Vols. | Pest/PCB/Herb | Metals | Misc. Org. | Full Lists | Misc. |
|---|---|---|---|---|---|---|---|
| 8260 full | TICs | 8270 or 625 | 8082/PCB | RCRA8 | TPH GRO | Pet. Prof. | Corrosivity |
| 624 | Site Spec. | STARS list | 8081 Pest | PP13 list | TPH DRO | TCL Organics | Reactivity |
| STARS list | Nassau Co. | BN Only | 8151 Herb | TAL | CT ETPH | TAL MetCN | Ignitability |
| BTEX | Suffolk Co. | Acids Only | CT RCP | CT15 list | NY 310-13 | Full TCLP | Flash Point |
| MTBE | Ketones | PAH list | App. IX | TAGM list | TPH 1664 | Full App. IX | Sieve Anal. |
| TCL list | Oxygenates | TAGM list | Site Spec. | NJDEP list | Air TO14A | Part 360 Routine | Heterotrophs |
| TAGM list | TCLP list | CT RCP list | SPLP or TCLP | Total | Air TO15 | Part 360 Border | TOX |
| CT RCP list | 524.2 | TCL list | TCLP Pest | Dissolved | Air STARS | Part 360 Organics | BTU/lb |
| Accom. only | 502.2 | NJDEP list | TCLP Herb | SPLP or TCLP | Air VPH | Part 360 Inorganics | Aquatic Tox |
| Halog. only | NJDEP list | App. IX | Chlordane | Soil Metals | Air TICs | NYCDEP Sewer | TOC |
| App. IX list | SPLP or TCLP | TCLP BNA | 608 Pest | LIST Below | Methane | NYSDEC Sewer | Asbestos |
| 8021B list | | SPLP or TCLP | 608 PCB | | Helium | TAGM | Silica |

Matrix Codes
S - soil
Other - specify (oil, etc.)
WW - wastewater
GW - groundwater
DW - drinking water
Air-A - ambient air
Air-SV - soil vapor

| Sample Identification | Date/Time Sampled | Sample Matrix | Choose Analyses Needed from the Menu Above and Enter Below | Container Description(s) |
|---|---|---|---|---|
| SP-1 (0-2) | 6/13/19 | S | E Designation Parameters | 1 8oz 4 VOAs |
| SP-1 (2-4) | 6/13/19 | " | " | " |
| SP-2 (0-2) | 6/14/19 | " | " | " |
| SP-2 (2-4) | 6/14/19 | " | " | " |
| SP-3 (0-2) | 6/14/19 | " | " | " |
| SP-3 (2-4) | 6/14/19 | " | " | " |
| SP-4 (0-2) | 6/14/19 | " | " | " |
| SP-4 (2-4) | 6/14/19 | " | " | " |
| SP-5 (0-2) | 6/18/19 | " | " | " |
| SP-5 (2-4) | 6/18/19 | " | " | " |

Comments

Preservation Check those Applicable: 4°C ___ Frozen ___ HCl ___ MeOH ___ $HNO_3$ ___ $H_2SO_4$ ___ NaOH ___ ZnAc ___ Ascorbic Acid ___ Other ___

Special Instructions
Field Filtered ☐
Lab to Filter ☐

| Samples Relinquished By | Date/Time | Samples Received By | Date/Time |
|---|---|---|---|
| Touchstone Cooler | 6-20-19 1245 PM | [illegible] | 6-20-19 1245 PM |
| [illegible] | 6/20-19 1630 | [illegible] | 6-20-19 1630 |
| Samples Relinquished By | Date/Time | Samples Received in LAB by | Date/Time |

Temperature on Receipt: 1.4 °C

YORK
YORK ANALYTICAL LABORATORIES
120 RESEARCH DR.
STRATFORD, CT 06615
(203) 325-1371
FAX (203) 357-0166

# Field Chain-of-Custody Record

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. 19F0828

| YOUR Information | Report To: | Invoice To: | YOUR Project ID | Turn-Around Time | Report Type |
|---|---|---|---|---|---|
| Company: Touchstone Environmental Geology, PC | Touchstone Environmental Geology, PC<br>Company: | Company: Touchstone Environmental Geology, PC | 1036 Manhattan Ave<br>190050 | RUSH - Same Day ☐<br>RUSH - Next Day ☐<br>RUSH - Two Day ☐<br>RUSH - Three Day ☐<br>RUSH - Four Day ☐ | Summary Report X<br>Summary w/ QA Summary<br>CT RCP Package<br>CTRCP DQA/DUE Pkg<br>NY ASP A Package<br>NY ASP B Package<br>NJDEP Red. Deliv. |
| Address: | Address: | Address: | Purchase Order No.<br>190050Y | | |
| Phone No: | Phone No: | Phone No: | | | |
| Contact Person: | Attention: | Attention: | | | |
| E-Mail Address: rachel@touchstoneenv.com | E-Mail Address: | E-Mail Address: | Samples from: CT__ NY__ NJ__ | Standard(5-7 Days) ☑ | Electronic Data Deliverables (EDD)<br>Simple Excel<br>NYSDEC EQuIS<br>EQuIS (std)<br>EZ-EDD (EQuIS)<br>NJDEP SRP HazSite EDD<br>GIS/KEY (std)<br>Other<br>York Regulatory Comparison<br>Excel Spreadsheet * |

*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.*

Mehmet Ataman

Samples Collected/Authorized By (Signature)

Name (printed)

Matrix Codes
S - soil
Other - specify(oil, etc.)
WW - wastewater
GW - groundwater
DW - drinking water
Air-A - ambient air
Air-SV - soil vapor

| Volatiles | | Semi-Vols. | Pest/PCB/Herb | Metals | Misc. Org. | Full Lists | Misc. |
|---|---|---|---|---|---|---|---|
| 8260 full | TICs | 8270 or 625 | 8082PCB | RCRA8 | TPH GRO | Pri Poll. | Corrosivity |
| 624 | Site Spec. | STARS list | 8081Pest | PP13 list | TPH DRO | TCL Organics | Reactivity |
| STARS list | Nassau Co. | BN Only | 8151Herb | TAL | CT ETPH | TAL MetCN | Ignitability |
| BTEX | Suffolk Co. | Acids Only | CT RCP | CT15 list | NY 310-13 | Full TCLP | Flash Point |
| MTBE | Ketones | PAH list | App. IX | TAGM list | TPH 1664 | Full App IX | Sieve/Anal. |
| TCL list | Oxygenates | TAGM list | Site Spec | NJDEP list | Air TO14A | Part 360 Metals | Heterotrophs |
| TAGM list | TCLP list | CT RCP list | SPLP or TCLP | Total | Air TO15 | Part 360 Basics | TOX |
| CT RCP list | 524.2 | TCL list | TCLP Pest | Dissolved | Air STARS | Part 360 Organics (Pesticides/Herbicides) | BTU/lb |
| Aromatics only | 502.2 | NJDEP list | TCLP Herb | SPLP or TCLP | Air VPH | Part 360 Inorganics (Metals) | Aquatic Tox |
| Halog. only | NJDEP list | App. IX | Chlordane | Soils/Solids | Air TICs | NYCDEP Metals | TOC |
| App IX list | SPLP or TCLP | TCLP BNA | 608 Pest | LIST Below | Methane | NYSDEC Metals | Asbestos |
| 8021B list | | SPLP or TCLP | 608 PCB | | Helium | TAGM | Silica |

RUSCO and UUSCO

| Sample Identification | Date/Time Sampled | Sample Matrix | Choose Analyses Needed from the Menu Above and Enter Below | Container Description(s) |
|---|---|---|---|---|
| SP-6 (0-2) | 6/18/19 | S | E designation Parameters | 1 8oz |
| SP-6 (10-12) | 6/18/19 | S | " | " |

Comments

Preservation
Check Dose Applicable
4°C____ Frozen____ HCl____ MeOH____ $HNO_3$____ $H_2SO_4$____ NaOH____
ZnAc Ascorbic Acid Other

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Samples Relinquished By: Tarun Bansal 6/20/19 1245 PM
Samples Relinquished By: [illegible] 6/20/19
Samples Received By: [illegible] 6/20/19 1245 PM
Samples Received in LAB by: Date/Time

Temperature on Receipt: 1.4 °C

# Technical Report

prepared for:

**Touchstone Environmental Geology, PC**
8 Dolphin Drive
Centereach NY, 11720
**Attention: Rachel Ataman**

Report Date: 07/05/2019
**Client Project ID: 190050 Manhattan Avenue**
York Project (SDG) No.: 19F1174

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

Report Date: 07/05/2019
Client Project ID: 190050 Manhattan Avenue
York Project (SDG) No.: 19F1174

**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 June 28, 2019 with a temperature of 1.6 C. The project was identified as your project: **190050 Manhattan Avenue**.

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.

| York Sample ID | Client Sample ID | Matrix | Date Collected | Date Received |
|---|---|---|---|---|
| 19F1174-01 | MW-1 | Water | 06/26/2019 | 06/28/2019 |
| 19F1174-02 | MW-2 | Water | 06/26/2019 | 06/28/2019 |
| 19F1174-03 | MW-3 | Water | 06/26/2019 | 06/28/2019 |
| 19F1174-04 | MW-4 | Water | 06/26/2019 | 06/28/2019 |

## General Notes for York Project (SDG) No.: 19F1174

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:** **Date:** 07/05/2019

Benjamin Gulizia
Laboratory Director

## Sample Information

**Client Sample ID:** **MW-1** **York Sample ID:** **19F1174-01**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F1174 | 190050 Manhattan Avenue | Water | June 26, 2019 12:00 am | 06/28/2019 |

**Volatile Organics, 8260 List - Low Level** **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<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 18:52 | TMP |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 18:52 | TMP |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 18:52 | TMP |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 18:52 | TMP |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 18:52 | TMP |
| 75-34-3 | 1,1-Dichloroethane | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 18:52 | TMP |
| 75-35-4 | 1,1-Dichloroethylene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 18:52 | TMP |
| 563-58-6 | 1,1-Dichloropropylene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP | 07/03/2019 07:00 | 07/03/2019 18:52 | TMP |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 07/03/2019 07:00 | 07/03/2019 18:52 | TMP |
| 96-18-4 | 1,2,3-Trichloropropane | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 07/03/2019 07:00 | 07/03/2019 18:52 | TMP |
| 95-93-2 | * 1,2,4,5-Tetramethylbenzene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: | 07/03/2019 07:00 | 07/03/2019 18:52 | TMP |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 07/03/2019 07:00 | 07/03/2019 18:52 | TMP |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 18:52 | TMP |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 18:52 | TMP |
| 106-93-4 | 1,2-Dibromoethane | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 18:52 | TMP |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 18:52 | TMP |
| 107-06-2 | 1,2-Dichloroethane | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 18:52 | TMP |
| 78-87-5 | 1,2-Dichloropropane | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 18:52 | TMP |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 18:52 | TMP |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 18:52 | TMP |

## Sample Information

**Client Sample ID:** **MW-1** **York Sample ID:** **19F1174-01**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F1174 | 190050 Manhattan Avenue | Water | June 26, 2019 12:00 am | 06/28/2019 |

**Volatile Organics, 8260 List - Low Level** **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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 142-28-9 | 1,3-Dichloropropane | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 07/03/2019 07:00 | 07/03/2019 18:52 | TMP |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 18:52 | TMP |
| 594-20-7 | 2,2-Dichloropropane | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 07/03/2019 07:00 | 07/03/2019 18:52 | TMP |
| 78-93-3 | 2-Butanone | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 18:52 | TMP |
| 95-49-8 | 2-Chlorotoluene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 18:52 | TMP |
| 591-78-6 | 2-Hexanone | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 18:52 | TMP |
| 106-43-4 | 4-Chlorotoluene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 18:52 | TMP |
| 108-10-1 | 4-Methyl-2-pentanone | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 18:52 | TMP |
| 67-64-1 | Acetone | ND | | ug/L | 1.0 | 2.0 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 18:52 | TMP |
| 71-43-2 | Benzene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 18:52 | TMP |
| 108-86-1 | Bromobenzene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 07/03/2019 07:00 | 07/03/2019 18:52 | TMP |
| 74-97-5 | Bromochloromethane | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 07/03/2019 07:00 | 07/03/2019 18:52 | TMP |
| 75-27-4 | Bromodichloromethane | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 18:52 | TMP |
| 75-25-2 | Bromoform | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 18:52 | TMP |
| 74-83-9 | Bromomethane | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 18:52 | TMP |
| 75-15-0 | **Carbon disulfide** | **0.23** | J | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 18:52 | TMP |
| 56-23-5 | Carbon tetrachloride | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 18:52 | TMP |
| 108-90-7 | Chlorobenzene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 18:52 | TMP |
| 75-00-3 | Chloroethane | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 18:52 | TMP |
| 67-66-3 | Chloroform | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 18:52 | TMP |
| 74-87-3 | Chloromethane | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 18:52 | TMP |

## Sample Information

**Client Sample ID:** **MW-1** **York Sample ID:** **19F1174-01**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F1174 | 190050 Manhattan Avenue | Water | June 26, 2019 12:00 am | 06/28/2019 |

**Volatile Organics, 8260 List - Low Level** **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5030B

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 156-59-2 | cis-1,2-Dichloroethylene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 18:52 | TMP |
| 10061-01-5 | cis-1,3-Dichloropropylene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 18:52 | TMP |
| 124-48-1 | Dibromochloromethane | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 18:52 | TMP |
| 74-95-3 | Dibromomethane | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 07/03/2019 07:00 | 07/03/2019 18:52 | TMP |
| 75-71-8 | Dichlorodifluoromethane | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 07/03/2019 07:00 | 07/03/2019 18:52 | TMP |
| 100-41-4 | Ethyl Benzene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 18:52 | TMP |
| 87-68-3 | Hexachlorobutadiene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 07/03/2019 07:00 | 07/03/2019 18:52 | TMP |
| 98-82-8 | Isopropylbenzene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 18:52 | TMP |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 18:52 | TMP |
| 75-09-2 | Methylene chloride | ND | | ug/L | 1.0 | 2.0 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 18:52 | TMP |
| 91-20-3 | Naphthalene | ND | | ug/L | 1.0 | 2.0 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 07/03/2019 07:00 | 07/03/2019 18:52 | TMP |
| 104-51-8 | n-Butylbenzene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 18:52 | TMP |
| 103-65-1 | n-Propylbenzene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 18:52 | TMP |
| 95-47-6 | o-Xylene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA | 07/03/2019 07:00 | 07/03/2019 18:52 | TMP |
| 179601-23-1 | p- & m- Xylenes | ND | | ug/L | 0.50 | 1.0 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA | 07/03/2019 07:00 | 07/03/2019 18:52 | TMP |
| 105-05-5 | * p-Diethylbenzene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: | 07/03/2019 07:00 | 07/03/2019 18:52 | TMP |
| 622-96-8 | * p-Ethyltoluene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: | 07/03/2019 07:00 | 07/03/2019 18:52 | TMP |
| 99-87-6 | p-Isopropyltoluene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 18:52 | TMP |
| 135-98-8 | sec-Butylbenzene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 18:52 | TMP |
| 100-42-5 | Styrene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 18:52 | TMP |
| 98-06-6 | tert-Butylbenzene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 18:52 | TMP |

## Sample Information

**Client Sample ID:** **MW-1** **York Sample ID:** **19F1174-01**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F1174 | 190050 Manhattan Avenue | Water | June 26, 2019 12:00 am | 06/28/2019 |

### Volatile Organics, 8260 List - Low Level

**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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 127-18-4 | **Tetrachloroethylene** | **20** | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 18:52 | TMP |
| 108-88-3 | Toluene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 18:52 | TMP |
| 156-60-5 | trans-1,2-Dichloroethylene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 18:52 | TMP |
| 10061-02-6 | trans-1,3-Dichloropropylene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 18:52 | TMP |
| 79-01-6 | **Trichloroethylene** | **2.2** | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 18:52 | TMP |
| 75-69-4 | Trichlorofluoromethane | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 18:52 | TMP |
| 75-01-4 | Vinyl Chloride | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 18:52 | TMP |
| 1330-20-7 | Xylenes, Total | ND | | ug/L | 0.60 | 1.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 18:52 | TMP |

| | Surrogate Recoveries | Result | Acceptance Range |
|---|---|---|---|
| 17060-07-0 | *Surrogate: SURR: 1,2-Dichloroethane-d4* | *85.2 %* | *69-130* |
| 2037-26-5 | *Surrogate: SURR: Toluene-d8* | *101 %* | *81-117* |
| 460-00-4 | *Surrogate: SURR: p-Bromofluorobenzene* | *113 %* | *79-122* |

### Semi-Volatiles, 8270 Target List

**Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3510C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | ug/L | 2.86 | 5.71 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 11:04 | KH |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | ug/L | 2.86 | 5.71 | 1 | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP | 07/01/2019 14:45 | 07/02/2019 11:04 | KH |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | ug/L | 2.86 | 5.71 | 1 | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP | 07/01/2019 14:45 | 07/02/2019 11:04 | KH |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | ug/L | 2.86 | 5.71 | 1 | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP | 07/01/2019 14:45 | 07/02/2019 11:04 | KH |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | | ug/L | 2.86 | 5.71 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 11:04 | KH |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | | ug/L | 2.86 | 5.71 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 11:04 | KH |
| 120-83-2 | 2,4-Dichlorophenol | ND | | ug/L | 2.86 | 5.71 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 11:04 | KH |
| 105-67-9 | 2,4-Dimethylphenol | ND | | ug/L | 2.86 | 5.71 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 11:04 | KH |

## Sample Information

**Client Sample ID:** **MW-1** **York Sample ID:** **19F1174-01**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F1174 | 190050 Manhattan Avenue | Water | June 26, 2019 12:00 am | 06/28/2019 |

**Semi-Volatiles, 8270 Target List** **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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 51-28-5 | 2,4-Dinitrophenol | ND | | ug/L | 2.86 | 5.71 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 11:04 | KH |
| 121-14-2 | 2,4-Dinitrotoluene | ND | | ug/L | 2.86 | 5.71 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 11:04 | KH |
| 606-20-2 | 2,6-Dinitrotoluene | ND | | ug/L | 2.86 | 5.71 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 11:04 | KH |
| 91-58-7 | 2-Chloronaphthalene | ND | | ug/L | 2.86 | 5.71 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 11:04 | KH |
| 95-57-8 | 2-Chlorophenol | ND | | ug/L | 2.86 | 5.71 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 11:04 | KH |
| 91-57-6 | 2-Methylnaphthalene | ND | | ug/L | 2.86 | 5.71 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 11:04 | KH |
| 95-48-7 | 2-Methylphenol | ND | | ug/L | 2.86 | 5.71 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 11:04 | KH |
| 88-74-4 | 2-Nitroaniline | ND | | ug/L | 2.86 | 5.71 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 11:04 | KH |
| 88-75-5 | 2-Nitrophenol | ND | | ug/L | 2.86 | 5.71 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 11:04 | KH |
| 65794-96-9 | 3- & 4-Methylphenols | ND | | ug/L | 2.86 | 5.71 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 11:04 | KH |
| 91-94-1 | 3,3-Dichlorobenzidine | ND | | ug/L | 2.86 | 5.71 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 11:04 | KH |
| 99-09-2 | 3-Nitroaniline | ND | | ug/L | 2.86 | 5.71 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 11:04 | KH |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | ND | | ug/L | 2.86 | 5.71 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 11:04 | KH |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | | ug/L | 2.86 | 5.71 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 11:04 | KH |
| 59-50-7 | 4-Chloro-3-methylphenol | ND | | ug/L | 2.86 | 5.71 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 11:04 | KH |
| 106-47-8 | 4-Chloroaniline | ND | | ug/L | 2.86 | 5.71 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 11:04 | KH |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | | ug/L | 2.86 | 5.71 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 11:04 | KH |
| 100-01-6 | 4-Nitroaniline | ND | | ug/L | 2.86 | 5.71 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 11:04 | KH |
| 100-02-7 | 4-Nitrophenol | ND | | ug/L | 2.86 | 5.71 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 11:04 | KH |
| 83-32-9 | Acenaphthene | ND | | ug/L | 0.0571 | 0.0571 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 15:40 | OW |
| 208-96-8 | Acenaphthylene | ND | | ug/L | 0.0571 | 0.0571 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 15:40 | OW |

## Sample Information

**Client Sample ID:** **MW-1** **York Sample ID:** **19F1174-01**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F1174 | 190050 Manhattan Avenue | Water | June 26, 2019 12:00 am | 06/28/2019 |

**Semi-Volatiles, 8270 Target List** **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3510C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 62-53-3 | Aniline | ND | | ug/L | 2.86 | 5.71 | 1 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 11:04 | KH |
| 120-12-7 | Anthracene | ND | | ug/L | 0.0571 | 0.0571 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 15:40 | OW |
| 56-55-3 | Benzo(a)anthracene | ND | | ug/L | 0.0571 | 0.0571 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 15:40 | OW |
| 50-32-8 | Benzo(a)pyrene | ND | | ug/L | 0.0571 | 0.0571 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 15:40 | OW |
| 205-99-2 | Benzo(b)fluoranthene | ND | | ug/L | 0.0571 | 0.0571 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 15:40 | OW |
| 191-24-2 | Benzo(g,h,i)perylene | ND | | ug/L | 0.0571 | 0.0571 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 15:40 | OW |
| 207-08-9 | Benzo(k)fluoranthene | ND | | ug/L | 0.0571 | 0.0571 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 15:40 | OW |
| 100-51-6 | Benzyl alcohol | ND | | ug/L | 2.86 | 5.71 | 1 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 11:04 | KH |
| 85-68-7 | Benzyl butyl phthalate | ND | | ug/L | 2.86 | 5.71 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 11:04 | KH |
| 111-91-1 | Bis(2-chloroethoxy)methane | ND | | ug/L | 2.86 | 5.71 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 11:04 | KH |
| 111-44-4 | Bis(2-chloroethyl)ether | ND | | ug/L | 2.86 | 5.71 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 11:04 | KH |
| 108-60-1 | Bis(2-chloroisopropyl)ether | ND | | ug/L | 2.86 | 5.71 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 11:04 | KH |
| 117-81-7 | **Bis(2-ethylhexyl)phthalate** | **0.823** | | ug/L | 0.571 | 0.571 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 15:40 | OW |
| 218-01-9 | Chrysene | ND | | ug/L | 0.0571 | 0.0571 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 15:40 | OW |
| 53-70-3 | Dibenzo(a,h)anthracene | ND | | ug/L | 0.0571 | 0.0571 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 15:40 | OW |
| 132-64-9 | Dibenzofuran | ND | | ug/L | 2.86 | 5.71 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 11:04 | KH |
| 84-66-2 | Diethyl phthalate | ND | | ug/L | 2.86 | 5.71 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 11:04 | KH |
| 131-11-3 | Dimethyl phthalate | ND | | ug/L | 2.86 | 5.71 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 11:04 | KH |
| 84-74-2 | Di-n-butyl phthalate | ND | | ug/L | 2.86 | 5.71 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 11:04 | KH |
| 117-84-0 | Di-n-octyl phthalate | ND | | ug/L | 2.86 | 5.71 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 11:04 | KH |
| 206-44-0 | Fluoranthene | ND | | ug/L | 0.0571 | 0.0571 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 15:40 | OW |

## Sample Information

**Client Sample ID:** **MW-1** **York Sample ID:** **19F1174-01**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F1174 | 190050 Manhattan Avenue | Water | June 26, 2019 12:00 am | 06/28/2019 |

**Semi-Volatiles, 8270 Target List** **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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 86-73-7 | Fluorene | ND | | ug/L | 0.0571 | 0.0571 | 1 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 15:40 | OW |
| 118-74-1 | Hexachlorobenzene | ND | | ug/L | 0.0229 | 0.0229 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 15:40 | OW |
| 87-68-3 | Hexachlorobutadiene | ND | | ug/L | 0.571 | 0.571 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 15:40 | OW |
| 77-47-4 | Hexachlorocyclopentadiene | ND | | ug/L | 2.86 | 5.71 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 11:04 | KH |
| 67-72-1 | Hexachloroethane | ND | | ug/L | 0.571 | 0.571 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 15:40 | OW |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | ND | | ug/L | 0.0571 | 0.0571 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 15:40 | OW |
| 78-59-1 | Isophorone | ND | | ug/L | 2.86 | 5.71 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 11:04 | KH |
| 91-20-3 | Naphthalene | ND | | ug/L | 0.0571 | 0.0571 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 15:40 | OW |
| 98-95-3 | Nitrobenzene | ND | | ug/L | 0.286 | 0.286 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 15:40 | OW |
| 62-75-9 | N-Nitrosodimethylamine | ND | | ug/L | 0.571 | 0.571 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 15:40 | OW |
| 621-64-7 | N-nitroso-di-n-propylamine | ND | | ug/L | 2.86 | 5.71 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 11:04 | KH |
| 86-30-6 | N-Nitrosodiphenylamine | ND | | ug/L | 2.86 | 5.71 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 11:04 | KH |
| 87-86-5 | Pentachlorophenol | ND | | ug/L | 0.286 | 0.286 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 15:40 | OW |
| 85-01-8 | Phenanthrene | ND | | ug/L | 0.0571 | 0.0571 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 15:40 | OW |
| 108-95-2 | Phenol | ND | | ug/L | 2.86 | 5.71 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 11:04 | KH |
| 129-00-0 | Pyrene | ND | | ug/L | 0.0571 | 0.0571 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 15:40 | OW |
| 110-86-1 | Pyridine | ND | | ug/L | 2.86 | 5.71 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 11:04 | KH |

| | Surrogate Recoveries | Result | Acceptance Range |
|---|---|---|---|
| 367-12-4 | *Surrogate: SURR: 2-Fluorophenol* | *49.2 %* | *19.7-63.1* |
| 4165-62-2 | *Surrogate: SURR: Phenol-d5* | *30.0 %* | *10.1-41.7* |
| 4165-60-0 | *Surrogate: SURR: Nitrobenzene-d5* | *80.6 %* | *50.2-113* |
| 321-60-8 | *Surrogate: SURR: 2-Fluorobiphenyl* | *79.4 %* | *39.9-105* |
| 118-79-6 | *Surrogate: SURR: 2,4,6-Tribromophenol* | *93.1 %* | *39.3-151* |
| 1718-51-0 | *Surrogate: SURR: Terphenyl-d14* | *73.9 %* | *30.7-106* |

## Sample Information

**Client Sample ID:** **MW-1** **York Sample ID:** **19F1174-01**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F1174 | 190050 Manhattan Avenue | Water | June 26, 2019 12:00 am | 06/28/2019 |

**Pesticides, 8081 target list** **Log-in Notes:** **Sample Notes:**

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

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 72-54-8 | 4,4'-DDD | ND | | ug/L | 0.00485 | 1 | EPA 8081B | 07/01/2019 12:03 | 07/02/2019 20:24 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 72-55-9 | 4,4'-DDE | ND | | ug/L | 0.00485 | 1 | EPA 8081B | 07/01/2019 12:03 | 07/02/2019 20:24 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 50-29-3 | 4,4'-DDT | ND | | ug/L | 0.00485 | 1 | EPA 8081B | 07/01/2019 12:03 | 07/02/2019 20:24 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 309-00-2 | Aldrin | ND | | ug/L | 0.00485 | 1 | EPA 8081B | 07/01/2019 12:03 | 07/02/2019 20:24 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 319-84-6 | alpha-BHC | ND | | ug/L | 0.00485 | 1 | EPA 8081B | 07/01/2019 12:03 | 07/02/2019 20:24 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 5103-71-9 | alpha-Chlordane | ND | | ug/L | 0.00485 | 1 | EPA 8081B | 07/01/2019 12:03 | 07/02/2019 20:24 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 319-85-7 | beta-BHC | ND | | ug/L | 0.00485 | 1 | EPA 8081B | 07/01/2019 12:03 | 07/02/2019 20:24 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 57-74-9 | Chlordane, total | ND | | ug/L | 0.0242 | 1 | EPA 8081B | 07/01/2019 12:03 | 07/02/2019 20:24 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 319-86-8 | delta-BHC | ND | | ug/L | 0.00485 | 1 | EPA 8081B | 07/01/2019 12:03 | 07/02/2019 20:24 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 60-57-1 | Dieldrin | ND | | ug/L | 0.00242 | 1 | EPA 8081B | 07/01/2019 12:03 | 07/02/2019 20:24 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 959-98-8 | Endosulfan I | ND | | ug/L | 0.00485 | 1 | EPA 8081B | 07/01/2019 12:03 | 07/02/2019 20:24 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 33213-65-9 | Endosulfan II | ND | | ug/L | 0.00485 | 1 | EPA 8081B | 07/01/2019 12:03 | 07/02/2019 20:24 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 1031-07-8 | Endosulfan sulfate | ND | | ug/L | 0.00485 | 1 | EPA 8081B | 07/01/2019 12:03 | 07/02/2019 20:24 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 72-20-8 | Endrin | ND | | ug/L | 0.00485 | 1 | EPA 8081B | 07/01/2019 12:03 | 07/02/2019 20:24 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 7421-93-4 | Endrin aldehyde | ND | | ug/L | 0.0121 | 1 | EPA 8081B | 07/01/2019 12:03 | 07/02/2019 20:24 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 53494-70-5 | Endrin ketone | ND | | ug/L | 0.0121 | 1 | EPA 8081B | 07/01/2019 12:03 | 07/02/2019 20:24 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 58-89-9 | gamma-BHC (Lindane) | ND | | ug/L | 0.00485 | 1 | EPA 8081B | 07/01/2019 12:03 | 07/02/2019 20:24 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 5566-34-7 | gamma-Chlordane | ND | | ug/L | 0.0121 | 1 | EPA 8081B | 07/01/2019 12:03 | 07/02/2019 20:24 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 76-44-8 | Heptachlor | ND | | ug/L | 0.00485 | 1 | EPA 8081B | 07/01/2019 12:03 | 07/02/2019 20:24 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 1024-57-3 | Heptachlor epoxide | ND | | ug/L | 0.00485 | 1 | EPA 8081B | 07/01/2019 12:03 | 07/02/2019 20:24 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 72-43-5 | Methoxychlor | ND | | ug/L | 0.00485 | 1 | EPA 8081B | 07/01/2019 12:03 | 07/02/2019 20:24 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |

## Sample Information

**Client Sample ID:** **MW-1** **York Sample ID:** **19F1174-01**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F1174 | 190050 Manhattan Avenue | Water | June 26, 2019 12:00 am | 06/28/2019 |

### Pesticides, 8081 target list

**Log-in Notes:** **Sample Notes:**

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

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 8001-35-2 | Toxaphene | ND | | ug/L | 0.121 | 1 | EPA 8081B | 07/01/2019 12:03 | 07/02/2019 20:24 | CM |
| | | | | | | | Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | | | |

| | Surrogate Recoveries | Result | | Acceptance Range |
|---|---|---|---|---|
| 2051-24-3 | *Surrogate: Decachlorobiphenyl* | *71.2 %* | | *30-150* |
| 877-09-8 | *Surrogate: Tetrachloro-m-xylene* | *71.9 %* | | *30-150* |

### Polychlorinated Biphenyls (PCB)

**Log-in Notes:** **Sample Notes:**

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

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 12674-11-2 | Aroclor 1016 | ND | | ug/L | 0.0606 | 1 | EPA 8082A | 07/01/2019 12:03 | 07/03/2019 19:45 | SR |
| | | | | | | | Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | | | |
| 11104-28-2 | Aroclor 1221 | ND | | ug/L | 0.0606 | 1 | EPA 8082A | 07/01/2019 12:03 | 07/03/2019 19:45 | SR |
| | | | | | | | Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | | | |
| 11141-16-5 | Aroclor 1232 | ND | | ug/L | 0.0606 | 1 | EPA 8082A | 07/01/2019 12:03 | 07/03/2019 19:45 | SR |
| | | | | | | | Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | | | |
| 53469-21-9 | Aroclor 1242 | ND | | ug/L | 0.0606 | 1 | EPA 8082A | 07/01/2019 12:03 | 07/03/2019 19:45 | SR |
| | | | | | | | Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | | | |
| 12672-29-6 | Aroclor 1248 | ND | | ug/L | 0.0606 | 1 | EPA 8082A | 07/01/2019 12:03 | 07/03/2019 19:45 | SR |
| | | | | | | | Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | | | |
| 11097-69-1 | Aroclor 1254 | ND | | ug/L | 0.0606 | 1 | EPA 8082A | 07/01/2019 12:03 | 07/03/2019 19:45 | SR |
| | | | | | | | Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | | | |
| 11096-82-5 | Aroclor 1260 | ND | | ug/L | 0.0606 | 1 | EPA 8082A | 07/01/2019 12:03 | 07/03/2019 19:45 | SR |
| | | | | | | | Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | | | |
| 1336-36-3 | * Total PCBs | ND | | ug/L | 0.0606 | 1 | EPA 8082A | 07/01/2019 12:03 | 07/03/2019 19:45 | SR |
| | | | | | | | Certifications: | | | |

| | Surrogate Recoveries | Result | | Acceptance Range |
|---|---|---|---|---|
| 877-09-8 | *Surrogate: Tetrachloro-m-xylene* | *108 %* | | *30-120* |
| 2051-24-3 | *Surrogate: Decachlorobiphenyl* | *122 %* | S-08 | *30-120* |

### Metals, Target Analyte, ICP

**Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3015A

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 7429-90-5 | **Aluminum** | **0.0695** | | mg/L | 0.0556 | 1 | EPA 6010D | 07/02/2019 08:54 | 07/02/2019 14:25 | KML |
| | | | | | | | Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | | | |
| 7440-39-3 | **Barium** | **0.0564** | | mg/L | 0.0278 | 1 | EPA 6010D | 07/02/2019 08:54 | 07/02/2019 14:25 | KML |
| | | | | | | | Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | | | |
| 7440-70-2 | **Calcium** | **53.2** | | mg/L | 0.0556 | 1 | EPA 6010D | 07/02/2019 08:54 | 07/02/2019 14:25 | KML |
| | | | | | | | Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | | | |

## Sample Information

**Client Sample ID:** **MW-1** **York Sample ID:** **19F1174-01**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F1174 | 190050 Manhattan Avenue | Water | June 26, 2019 12:00 am | 06/28/2019 |

### Metals, Target Analyte, ICP

**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 |
|---|---|---|---|---|---|---|---|---|---|---|
| 7440-47-3 | Chromium | ND | | mg/L | 0.00556 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/02/2019 08:54 | 07/02/2019 14:25 | KML |
| 7440-48-4 | Cobalt | ND | | mg/L | 0.00444 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/02/2019 08:54 | 07/02/2019 14:25 | KML |
| 7440-50-8 | Copper | ND | | mg/L | 0.0222 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/02/2019 08:54 | 07/02/2019 14:25 | KML |
| 7439-89-6 | Iron | ND | | mg/L | 0.278 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/02/2019 08:54 | 07/02/2019 14:25 | KML |
| 7439-92-1 | Lead | ND | | mg/L | 0.00556 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/02/2019 08:54 | 07/02/2019 14:25 | KML |
| 7439-95-4 | **Magnesium** | **7.91** | | mg/L | 0.0556 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/02/2019 08:54 | 07/02/2019 14:25 | KML |
| 7439-96-5 | **Manganese** | **0.140** | | mg/L | 0.00556 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/02/2019 08:54 | 07/02/2019 14:25 | KML |
| 7440-02-0 | Nickel | ND | | mg/L | 0.0111 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/02/2019 08:54 | 07/02/2019 14:25 | KML |
| 7440-09-7 | **Potassium** | **9.96** | | mg/L | 0.0556 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/02/2019 08:54 | 07/02/2019 14:25 | KML |
| 7440-22-4 | Silver | ND | | mg/L | 0.00556 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/02/2019 08:54 | 07/02/2019 14:25 | KML |
| 7440-23-5 | **Sodium** | **74.9** | | mg/L | 0.556 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/02/2019 08:54 | 07/02/2019 14:25 | KML |
| 7440-62-2 | Vanadium | ND | | mg/L | 0.0111 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/02/2019 08:54 | 07/02/2019 14:25 | KML |
| 7440-66-6 | **Zinc** | **0.0357** | | mg/L | 0.0278 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/02/2019 08:54 | 07/02/2019 14:25 | KML |

### Metals, Target Analyte, ICPMS

**Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3015A

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 7440-36-0 | Antimony | ND | | ug/L | 1.11 | 1 | EPA 6020B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/02/2019 08:53 | 07/02/2019 14:35 | BML |
| 7440-38-2 | Arsenic | ND | | ug/L | 1.11 | 1 | EPA 6020B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/02/2019 08:53 | 07/02/2019 14:35 | BML |
| 7440-41-7 | Beryllium | ND | | ug/L | 0.333 | 1 | EPA 6020B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/02/2019 08:53 | 07/02/2019 14:35 | BML |
| 7440-43-9 | Cadmium | ND | | ug/L | 0.556 | 1 | EPA 6020B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/02/2019 08:53 | 07/02/2019 14:35 | BML |
| 7782-49-2 | **Selenium** | **3.73** | | ug/L | 1.11 | 1 | EPA 6020B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/02/2019 08:53 | 07/02/2019 14:35 | BML |
| 7440-28-0 | Thallium | ND | | ug/L | 1.11 | 1 | EPA 6020B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/02/2019 08:53 | 07/02/2019 14:35 | BML |

## Sample Information

**Client Sample ID:** MW-1 **York Sample ID:** 19F1174-01

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F1174 | 190050 Manhattan Avenue | Water | June 26, 2019 12:00 am | 06/28/2019 |

### 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 | 07/02/2019 08:49 | 07/02/2019 09:51 | SY |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |

### Chromium, Hexavalent

**Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 18540-29-9 | Chromium, Hexavalent | ND | HT-02 | mg/L | 0.0100 | 1 | EPA 7196A | 06/28/2019 20:06 | 06/28/2019 21:36 | MAC |
| | | | | | | | Certifications: | NELAC-NY10854,CTDOH,NJDEP,PADEP | | |

### Chromium, Trivalent

**Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 16065-83-1 | * Chromium, Trivalent | ND | | mg/L | 0.0100 | 1 | Calculation | 07/05/2019 15:22 | 07/05/2019 15:30 | AD |
| | | | | | | | Certifications: | | | |

## Sample Information

**Client Sample ID:** MW-2 **York Sample ID:** 19F1174-02

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F1174 | 190050 Manhattan Avenue | Water | June 26, 2019 12:00 am | 06/28/2019 |

### Volatile Organics, 8260 List - Low Level

**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 | 07/03/2019 07:00 | 07/03/2019 21:46 | TMP |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C | 07/03/2019 07:00 | 07/03/2019 21:46 | TMP |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C | 07/03/2019 07:00 | 07/03/2019 21:46 | TMP |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C | 07/03/2019 07:00 | 07/03/2019 21:46 | TMP |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C | 07/03/2019 07:00 | 07/03/2019 21:46 | TMP |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 75-34-3 | 1,1-Dichloroethane | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C | 07/03/2019 07:00 | 07/03/2019 21:46 | TMP |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |

## Sample Information

**Client Sample ID:** **MW-2** **York Sample ID:** **19F1174-02**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F1174 | 190050 Manhattan Avenue | Water | June 26, 2019 12:00 am | 06/28/2019 |

**Volatile Organics, 8260 List - Low Level** **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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 75-35-4 | 1,1-Dichloroethylene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 21:46 | TMP |
| 563-58-6 | 1,1-Dichloropropylene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP | 07/03/2019 07:00 | 07/03/2019 21:46 | TMP |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 07/03/2019 07:00 | 07/03/2019 21:46 | TMP |
| 96-18-4 | 1,2,3-Trichloropropane | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 07/03/2019 07:00 | 07/03/2019 21:46 | TMP |
| 95-93-2 | * 1,2,4,5-Tetramethylbenzene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: | 07/03/2019 07:00 | 07/03/2019 21:46 | TMP |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 07/03/2019 07:00 | 07/03/2019 21:46 | TMP |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 21:46 | TMP |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 21:46 | TMP |
| 106-93-4 | 1,2-Dibromoethane | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 21:46 | TMP |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 21:46 | TMP |
| 107-06-2 | 1,2-Dichloroethane | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 21:46 | TMP |
| 78-87-5 | 1,2-Dichloropropane | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 21:46 | TMP |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 21:46 | TMP |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 21:46 | TMP |
| 142-28-9 | 1,3-Dichloropropane | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 07/03/2019 07:00 | 07/03/2019 21:46 | TMP |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 21:46 | TMP |
| 594-20-7 | 2,2-Dichloropropane | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 07/03/2019 07:00 | 07/03/2019 21:46 | TMP |
| 78-93-3 | 2-Butanone | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 21:46 | TMP |
| 95-49-8 | 2-Chlorotoluene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 21:46 | TMP |
| 591-78-6 | 2-Hexanone | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 21:46 | TMP |
| 106-43-4 | 4-Chlorotoluene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 21:46 | TMP |

## Sample Information

**Client Sample ID:** **MW-2** **York Sample ID:** **19F1174-02**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F1174 | 190050 Manhattan Avenue | Water | June 26, 2019 12:00 am | 06/28/2019 |

**Volatile Organics, 8260 List - Low Level** **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5030B

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 108-10-1 | 4-Methyl-2-pentanone | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C | 07/03/2019 07:00 | 07/03/2019 21:46 | TMP |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 67-64-1 | Acetone | ND | | ug/L | 1.0 | 2.0 | 1 | EPA 8260C | 07/03/2019 07:00 | 07/03/2019 21:46 | TMP |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 71-43-2 | Benzene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C | 07/03/2019 07:00 | 07/03/2019 21:46 | TMP |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 108-86-1 | Bromobenzene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C | 07/03/2019 07:00 | 07/03/2019 21:46 | TMP |
| | | | | | | | | Certifications: | NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | | |
| 74-97-5 | Bromochloromethane | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C | 07/03/2019 07:00 | 07/03/2019 21:46 | TMP |
| | | | | | | | | Certifications: | NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | | |
| 75-27-4 | Bromodichloromethane | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C | 07/03/2019 07:00 | 07/03/2019 21:46 | TMP |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 75-25-2 | Bromoform | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C | 07/03/2019 07:00 | 07/03/2019 21:46 | TMP |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 74-83-9 | Bromomethane | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C | 07/03/2019 07:00 | 07/03/2019 21:46 | TMP |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 75-15-0 | **Carbon disulfide** | **0.37** | J | ug/L | 0.20 | 0.50 | 1 | EPA 8260C | 07/03/2019 07:00 | 07/03/2019 21:46 | TMP |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 56-23-5 | Carbon tetrachloride | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C | 07/03/2019 07:00 | 07/03/2019 21:46 | TMP |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 108-90-7 | Chlorobenzene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C | 07/03/2019 07:00 | 07/03/2019 21:46 | TMP |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 75-00-3 | Chloroethane | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C | 07/03/2019 07:00 | 07/03/2019 21:46 | TMP |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 67-66-3 | **Chloroform** | **1.5** | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C | 07/03/2019 07:00 | 07/03/2019 21:46 | TMP |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 74-87-3 | Chloromethane | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C | 07/03/2019 07:00 | 07/03/2019 21:46 | TMP |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 156-59-2 | **cis-1,2-Dichloroethylene** | **27** | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C | 07/03/2019 07:00 | 07/03/2019 21:46 | TMP |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 10061-01-5 | cis-1,3-Dichloropropylene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C | 07/03/2019 07:00 | 07/03/2019 21:46 | TMP |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 124-48-1 | Dibromochloromethane | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C | 07/03/2019 07:00 | 07/03/2019 21:46 | TMP |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 74-95-3 | Dibromomethane | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C | 07/03/2019 07:00 | 07/03/2019 21:46 | TMP |
| | | | | | | | | Certifications: | NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | | |
| 75-71-8 | Dichlorodifluoromethane | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C | 07/03/2019 07:00 | 07/03/2019 21:46 | TMP |
| | | | | | | | | Certifications: | NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | | |
| 100-41-4 | Ethyl Benzene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C | 07/03/2019 07:00 | 07/03/2019 21:46 | TMP |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 87-68-3 | Hexachlorobutadiene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C | 07/03/2019 07:00 | 07/03/2019 21:46 | TMP |
| | | | | | | | | Certifications: | NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | | |
| 98-82-8 | Isopropylbenzene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C | 07/03/2019 07:00 | 07/03/2019 21:46 | TMP |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |

## Sample Information

**Client Sample ID:** **MW-2** **York Sample ID:** **19F1174-02**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F1174 | 190050 Manhattan Avenue | Water | June 26, 2019 12:00 am | 06/28/2019 |

**Volatile Organics, 8260 List - Low Level** **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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 21:46 | TMP |
| 75-09-2 | Methylene chloride | ND | | ug/L | 1.0 | 2.0 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 21:46 | TMP |
| 91-20-3 | **Naphthalene** | **2.4** | CCV-E, B | ug/L | 1.0 | 2.0 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAE | 07/03/2019 07:00 | 07/03/2019 21:46 | TMP |
| 104-51-8 | n-Butylbenzene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 21:46 | TMP |
| 103-65-1 | n-Propylbenzene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 21:46 | TMP |
| 95-47-6 | o-Xylene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA | 07/03/2019 07:00 | 07/03/2019 21:46 | TMP |
| 179601-23-1 | p- & m- Xylenes | ND | | ug/L | 0.50 | 1.0 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA | 07/03/2019 07:00 | 07/03/2019 21:46 | TMP |
| 105-05-5 | * p-Diethylbenzene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: | 07/03/2019 07:00 | 07/03/2019 21:46 | TMP |
| 622-96-8 | * p-Ethyltoluene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: | 07/03/2019 07:00 | 07/03/2019 21:46 | TMP |
| 99-87-6 | p-Isopropyltoluene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 21:46 | TMP |
| 135-98-8 | sec-Butylbenzene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 21:46 | TMP |
| 100-42-5 | Styrene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 21:46 | TMP |
| 98-06-6 | tert-Butylbenzene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 21:46 | TMP |
| 127-18-4 | **Tetrachloroethylene** | **24** | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 21:46 | TMP |
| 108-88-3 | Toluene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 21:46 | TMP |
| 156-60-5 | **trans-1,2-Dichloroethylene** | **1.6** | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 21:46 | TMP |
| 10061-02-6 | trans-1,3-Dichloropropylene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 21:46 | TMP |
| 79-01-6 | **Trichloroethylene** | **2.8** | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 21:46 | TMP |
| 75-69-4 | Trichlorofluoromethane | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 21:46 | TMP |
| 75-01-4 | Vinyl Chloride | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 21:46 | TMP |
| 1330-20-7 | Xylenes, Total | ND | | ug/L | 0.60 | 1.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 21:46 | TMP |

| Surrogate Recoveries | Result | Acceptance Range |
|---|---|---|

## Sample Information

**Client Sample ID:** **MW-2** **York Sample ID:** **19F1174-02**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F1174 | 190050 Manhattan Avenue | Water | June 26, 2019 12:00 am | 06/28/2019 |

### Volatile Organics, 8260 List - Low Level

**Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5030B

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 17060-07-0 | *Surrogate: SURR: 1,2-Dichloroethane-d4* | *86.9 %* | | | *69-130* | | | | | | |
| 2037-26-5 | *Surrogate: SURR: Toluene-d8* | *97.3 %* | | | *81-117* | | | | | | |
| 460-00-4 | *Surrogate: SURR: p-Bromofluorobenzene* | *106 %* | | | *79-122* | | | | | | |

### Semi-Volatiles, 8270 Target List

**Log-in Notes:** **Sample Notes:** **EXT-EM**

Sample Prepared by Method: EPA 3510C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | ug/L | 2.78 | 5.56 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 11:35 | KH |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | ug/L | 2.78 | 5.56 | 1 | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP | 07/01/2019 14:45 | 07/02/2019 11:35 | KH |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | ug/L | 2.78 | 5.56 | 1 | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP | 07/01/2019 14:45 | 07/02/2019 11:35 | KH |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | ug/L | 2.78 | 5.56 | 1 | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP | 07/01/2019 14:45 | 07/02/2019 11:35 | KH |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | | ug/L | 2.78 | 5.56 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 11:35 | KH |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | | ug/L | 2.78 | 5.56 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 11:35 | KH |
| 120-83-2 | 2,4-Dichlorophenol | ND | | ug/L | 2.78 | 5.56 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 11:35 | KH |
| 105-67-9 | 2,4-Dimethylphenol | ND | | ug/L | 2.78 | 5.56 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 11:35 | KH |
| 51-28-5 | 2,4-Dinitrophenol | ND | | ug/L | 2.78 | 5.56 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 11:35 | KH |
| 121-14-2 | 2,4-Dinitrotoluene | ND | | ug/L | 2.78 | 5.56 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 11:35 | KH |
| 606-20-2 | 2,6-Dinitrotoluene | ND | | ug/L | 2.78 | 5.56 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 11:35 | KH |
| 91-58-7 | 2-Chloronaphthalene | ND | | ug/L | 2.78 | 5.56 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 11:35 | KH |
| 95-57-8 | 2-Chlorophenol | ND | | ug/L | 2.78 | 5.56 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 11:35 | KH |
| 91-57-6 | 2-Methylnaphthalene | ND | | ug/L | 2.78 | 5.56 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 11:35 | KH |
| 95-48-7 | 2-Methylphenol | ND | | ug/L | 2.78 | 5.56 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 11:35 | KH |
| 88-74-4 | 2-Nitroaniline | ND | | ug/L | 2.78 | 5.56 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 11:35 | KH |

## Sample Information

**Client Sample ID:** **MW-2** **York Sample ID:** **19F1174-02**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F1174 | 190050 Manhattan Avenue | Water | June 26, 2019 12:00 am | 06/28/2019 |

**Semi-Volatiles, 8270 Target List** **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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 88-75-5 | 2-Nitrophenol | ND | | ug/L | 2.78 | 5.56 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 11:35 | KH |
| 65794-96-9 | 3- & 4-Methylphenols | ND | | ug/L | 2.78 | 5.56 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 11:35 | KH |
| 91-94-1 | 3,3-Dichlorobenzidine | ND | | ug/L | 2.78 | 5.56 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 11:35 | KH |
| 99-09-2 | 3-Nitroaniline | ND | | ug/L | 2.78 | 5.56 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 11:35 | KH |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | ND | | ug/L | 2.78 | 5.56 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 11:35 | KH |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | | ug/L | 2.78 | 5.56 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 11:35 | KH |
| 59-50-7 | 4-Chloro-3-methylphenol | ND | | ug/L | 2.78 | 5.56 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 11:35 | KH |
| 106-47-8 | 4-Chloroaniline | ND | | ug/L | 2.78 | 5.56 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 11:35 | KH |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | | ug/L | 2.78 | 5.56 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 11:35 | KH |
| 100-01-6 | 4-Nitroaniline | ND | | ug/L | 2.78 | 5.56 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 11:35 | KH |
| 100-02-7 | 4-Nitrophenol | ND | | ug/L | 2.78 | 5.56 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 11:35 | KH |
| 83-32-9 | Acenaphthene | ND | | ug/L | 0.0556 | 0.0556 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 16:12 | OW |
| 208-96-8 | Acenaphthylene | ND | | ug/L | 0.0556 | 0.0556 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 16:12 | OW |
| 62-53-3 | Aniline | ND | | ug/L | 2.78 | 5.56 | 1 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 11:35 | KH |
| 120-12-7 | Anthracene | ND | | ug/L | 0.0556 | 0.0556 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 16:12 | OW |
| 56-55-3 | Benzo(a)anthracene | ND | | ug/L | 0.0556 | 0.0556 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 16:12 | OW |
| 50-32-8 | Benzo(a)pyrene | ND | | ug/L | 0.0556 | 0.0556 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 16:12 | OW |
| 205-99-2 | Benzo(b)fluoranthene | ND | | ug/L | 0.0556 | 0.0556 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 16:12 | OW |
| 191-24-2 | Benzo(g,h,i)perylene | ND | | ug/L | 0.0556 | 0.0556 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 16:12 | OW |
| 207-08-9 | Benzo(k)fluoranthene | ND | | ug/L | 0.0556 | 0.0556 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 16:12 | OW |
| 100-51-6 | Benzyl alcohol | ND | | ug/L | 2.78 | 5.56 | 1 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 11:35 | KH |

## Sample Information

**Client Sample ID:** **MW-2** **York Sample ID:** **19F1174-02**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F1174 | 190050 Manhattan Avenue | Water | June 26, 2019 12:00 am | 06/28/2019 |

**Semi-Volatiles, 8270 Target List** **Log-in Notes:** **Sample Notes:** EXT-EM

Sample Prepared by Method: EPA 3510C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 85-68-7 | Benzyl butyl phthalate | ND | | ug/L | 2.78 | 5.56 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 11:35 | KH |
| 111-91-1 | Bis(2-chloroethoxy)methane | ND | | ug/L | 2.78 | 5.56 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 11:35 | KH |
| 111-44-4 | Bis(2-chloroethyl)ether | ND | | ug/L | 2.78 | 5.56 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 11:35 | KH |
| 108-60-1 | Bis(2-chloroisopropyl)ether | ND | | ug/L | 2.78 | 5.56 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 11:35 | KH |
| 117-81-7 | **Bis(2-ethylhexyl)phthalate** | **3.49** | | ug/L | 0.556 | 0.556 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 16:12 | OW |
| 218-01-9 | Chrysene | ND | | ug/L | 0.0556 | 0.0556 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 16:12 | OW |
| 53-70-3 | Dibenzo(a,h)anthracene | ND | | ug/L | 0.0556 | 0.0556 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 16:12 | OW |
| 132-64-9 | Dibenzofuran | ND | | ug/L | 2.78 | 5.56 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 11:35 | KH |
| 84-66-2 | Diethyl phthalate | ND | | ug/L | 2.78 | 5.56 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 11:35 | KH |
| 131-11-3 | Dimethyl phthalate | ND | | ug/L | 2.78 | 5.56 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 11:35 | KH |
| 84-74-2 | Di-n-butyl phthalate | ND | | ug/L | 2.78 | 5.56 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 11:35 | KH |
| 117-84-0 | Di-n-octyl phthalate | ND | | ug/L | 2.78 | 5.56 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 11:35 | KH |
| 206-44-0 | Fluoranthene | ND | | ug/L | 0.0556 | 0.0556 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 16:12 | OW |
| 86-73-7 | Fluorene | ND | | ug/L | 0.0556 | 0.0556 | 1 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 16:12 | OW |
| 118-74-1 | Hexachlorobenzene | ND | | ug/L | 0.0222 | 0.0222 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 16:12 | OW |
| 87-68-3 | Hexachlorobutadiene | ND | | ug/L | 0.556 | 0.556 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 16:12 | OW |
| 77-47-4 | Hexachlorocyclopentadiene | ND | | ug/L | 2.78 | 5.56 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 11:35 | KH |
| 67-72-1 | Hexachloroethane | ND | | ug/L | 0.556 | 0.556 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 16:12 | OW |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | ND | | ug/L | 0.0556 | 0.0556 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 16:12 | OW |
| 78-59-1 | Isophorone | ND | | ug/L | 2.78 | 5.56 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 11:35 | KH |
| 91-20-3 | Naphthalene | ND | | ug/L | 0.0556 | 0.0556 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 16:12 | OW |

## Sample Information

**Client Sample ID:** MW-2 **York Sample ID:** 19F1174-02

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F1174 | 190050 Manhattan Avenue | Water | June 26, 2019 12:00 am | 06/28/2019 |

### Semi-Volatiles, 8270 Target List

**Log-in Notes:** **Sample Notes:** EXT-EM

Sample Prepared by Method: EPA 3510C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 98-95-3 | Nitrobenzene | ND | | ug/L | 0.278 | 0.278 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 16:12 | OW |
| 62-75-9 | N-Nitrosodimethylamine | ND | | ug/L | 0.556 | 0.556 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 16:12 | OW |
| 621-64-7 | N-nitroso-di-n-propylamine | ND | | ug/L | 2.78 | 5.56 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 11:35 | KH |
| 86-30-6 | N-Nitrosodiphenylamine | ND | | ug/L | 2.78 | 5.56 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 11:35 | KH |
| 87-86-5 | Pentachlorophenol | ND | | ug/L | 0.278 | 0.278 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 16:12 | OW |
| 85-01-8 | Phenanthrene | ND | | ug/L | 0.0556 | 0.0556 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 16:12 | OW |
| 108-95-2 | Phenol | ND | | ug/L | 2.78 | 5.56 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 11:35 | KH |
| 129-00-0 | Pyrene | ND | | ug/L | 0.0556 | 0.0556 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 16:12 | OW |
| 110-86-1 | Pyridine | ND | | ug/L | 2.78 | 5.56 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 11:35 | KH |

| | Surrogate Recoveries | Result | Acceptance Range |
|---|---|---|---|
| 367-12-4 | *Surrogate: SURR: 2-Fluorophenol* | *29.7 %* | *19.7-63.1* |
| 4165-62-2 | *Surrogate: SURR: Phenol-d5* | *17.5 %* | *10.1-41.7* |
| 4165-60-0 | *Surrogate: SURR: Nitrobenzene-d5* | *57.1 %* | *50.2-113* |
| 321-60-8 | *Surrogate: SURR: 2-Fluorobiphenyl* | *55.4 %* | *39.9-105* |
| 118-79-6 | *Surrogate: SURR: 2,4,6-Tribromophenol* | *91.4 %* | *39.3-151* |
| 1718-51-0 | *Surrogate: SURR: Terphenyl-d14* | *67.4 %* | *30.7-106* |

### Pesticides, 8081 target list

**Log-in Notes:** **Sample Notes:**

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

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 72-54-8 | 4,4'-DDD | ND | | ug/L | 0.00485 | 1 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 12:03 | 07/02/2019 20:39 | CM |
| 72-55-9 | 4,4'-DDE | ND | | ug/L | 0.00485 | 1 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 12:03 | 07/02/2019 20:39 | CM |
| 50-29-3 | 4,4'-DDT | ND | | ug/L | 0.00485 | 1 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 12:03 | 07/02/2019 20:39 | CM |
| 309-00-2 | Aldrin | ND | | ug/L | 0.00485 | 1 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 12:03 | 07/02/2019 20:39 | CM |
| 319-84-6 | alpha-BHC | ND | | ug/L | 0.00485 | 1 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 12:03 | 07/02/2019 20:39 | CM |

## Sample Information

**Client Sample ID:** **MW-2** **York Sample ID:** **19F1174-02**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F1174 | 190050 Manhattan Avenue | Water | June 26, 2019 12:00 am | 06/28/2019 |

### Pesticides, 8081 target list

**Log-in Notes:** **Sample Notes:**

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

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 5103-71-9 | alpha-Chlordane | ND | | ug/L | 0.00485 | 1 | EPA 8081B | 07/01/2019 12:03 | 07/02/2019 20:39 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 319-85-7 | beta-BHC | ND | | ug/L | 0.00485 | 1 | EPA 8081B | 07/01/2019 12:03 | 07/02/2019 20:39 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 57-74-9 | Chlordane, total | ND | | ug/L | 0.0242 | 1 | EPA 8081B | 07/01/2019 12:03 | 07/02/2019 20:39 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 319-86-8 | delta-BHC | ND | | ug/L | 0.00485 | 1 | EPA 8081B | 07/01/2019 12:03 | 07/02/2019 20:39 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 60-57-1 | Dieldrin | ND | | ug/L | 0.00242 | 1 | EPA 8081B | 07/01/2019 12:03 | 07/02/2019 20:39 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 959-98-8 | Endosulfan I | ND | | ug/L | 0.00485 | 1 | EPA 8081B | 07/01/2019 12:03 | 07/02/2019 20:39 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 33213-65-9 | Endosulfan II | ND | | ug/L | 0.00485 | 1 | EPA 8081B | 07/01/2019 12:03 | 07/02/2019 20:39 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 1031-07-8 | Endosulfan sulfate | ND | | ug/L | 0.00485 | 1 | EPA 8081B | 07/01/2019 12:03 | 07/02/2019 20:39 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 72-20-8 | Endrin | ND | | ug/L | 0.00485 | 1 | EPA 8081B | 07/01/2019 12:03 | 07/02/2019 20:39 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 7421-93-4 | Endrin aldehyde | ND | | ug/L | 0.0121 | 1 | EPA 8081B | 07/01/2019 12:03 | 07/02/2019 20:39 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 53494-70-5 | Endrin ketone | ND | | ug/L | 0.0121 | 1 | EPA 8081B | 07/01/2019 12:03 | 07/02/2019 20:39 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 58-89-9 | gamma-BHC (Lindane) | ND | | ug/L | 0.00485 | 1 | EPA 8081B | 07/01/2019 12:03 | 07/02/2019 20:39 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 5566-34-7 | gamma-Chlordane | ND | | ug/L | 0.0121 | 1 | EPA 8081B | 07/01/2019 12:03 | 07/02/2019 20:39 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 76-44-8 | Heptachlor | ND | | ug/L | 0.00485 | 1 | EPA 8081B | 07/01/2019 12:03 | 07/02/2019 20:39 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 1024-57-3 | Heptachlor epoxide | ND | | ug/L | 0.00485 | 1 | EPA 8081B | 07/01/2019 12:03 | 07/02/2019 20:39 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 72-43-5 | Methoxychlor | ND | | ug/L | 0.00485 | 1 | EPA 8081B | 07/01/2019 12:03 | 07/02/2019 20:39 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 8001-35-2 | Toxaphene | ND | | ug/L | 0.121 | 1 | EPA 8081B | 07/01/2019 12:03 | 07/02/2019 20:39 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |

| | Surrogate Recoveries | Result | Acceptance Range |
|---|---|---|---|
| 2051-24-3 | *Surrogate: Decachlorobiphenyl* | *55.8 %* | *30-150* |
| 877-09-8 | *Surrogate: Tetrachloro-m-xylene* | *61.8 %* | *30-150* |

### Polychlorinated Biphenyls (PCB)

**Log-in Notes:** **Sample Notes:**

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

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

## Sample Information

**Client Sample ID:** **MW-2** **York Sample ID:** **19F1174-02**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F1174 | 190050 Manhattan Avenue | Water | June 26, 2019 12:00 am | 06/28/2019 |

### Polychlorinated Biphenyls (PCB)

**Log-in Notes:** **Sample Notes:**

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

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 12674-11-2 | Aroclor 1016 | ND | | ug/L | 0.0606 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 07/01/2019 12:03 | 07/03/2019 19:58 | SR |
| 11104-28-2 | Aroclor 1221 | ND | | ug/L | 0.0606 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 07/01/2019 12:03 | 07/03/2019 19:58 | SR |
| 11141-16-5 | Aroclor 1232 | ND | | ug/L | 0.0606 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 07/01/2019 12:03 | 07/03/2019 19:58 | SR |
| 53469-21-9 | Aroclor 1242 | ND | | ug/L | 0.0606 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 07/01/2019 12:03 | 07/03/2019 19:58 | SR |
| 12672-29-6 | Aroclor 1248 | ND | | ug/L | 0.0606 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 07/01/2019 12:03 | 07/03/2019 19:58 | SR |
| 11097-69-1 | Aroclor 1254 | ND | | ug/L | 0.0606 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 07/01/2019 12:03 | 07/03/2019 19:58 | SR |
| 11096-82-5 | Aroclor 1260 | ND | | ug/L | 0.0606 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 07/01/2019 12:03 | 07/03/2019 19:58 | SR |
| 1336-36-3 | * Total PCBs | ND | | ug/L | 0.0606 | 1 | EPA 8082A<br>Certifications: | 07/01/2019 12:03 | 07/03/2019 19:58 | SR |

| | Surrogate Recoveries | Result | Acceptance Range |
|---|---|---|---|
| 877-09-8 | *Surrogate: Tetrachloro-m-xylene* | *100 %* | *30-120* |
| 2051-24-3 | *Surrogate: Decachlorobiphenyl* | *89.0 %* | *30-120* |

### Metals, Target Analyte, ICP

**Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3015A

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 7429-90-5 | **Aluminum** | **0.123** | | mg/L | 0.0556 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/02/2019 08:54 | 07/02/2019 14:27 | KML |
| 7440-39-3 | **Barium** | **0.0700** | | mg/L | 0.0278 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/02/2019 08:54 | 07/02/2019 14:27 | KML |
| 7440-70-2 | **Calcium** | **76.8** | | mg/L | 0.0556 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/02/2019 08:54 | 07/02/2019 14:27 | KML |
| 7440-47-3 | Chromium | ND | | mg/L | 0.00556 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/02/2019 08:54 | 07/02/2019 14:27 | KML |
| 7440-48-4 | Cobalt | ND | | mg/L | 0.00444 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/02/2019 08:54 | 07/02/2019 14:27 | KML |
| 7440-50-8 | Copper | ND | | mg/L | 0.0222 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/02/2019 08:54 | 07/02/2019 14:27 | KML |
| 7439-89-6 | Iron | ND | | mg/L | 0.278 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/02/2019 08:54 | 07/02/2019 14:27 | KML |
| 7439-92-1 | Lead | ND | | mg/L | 0.00556 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/02/2019 08:54 | 07/02/2019 14:27 | KML |
| 7439-95-4 | **Magnesium** | **14.8** | | mg/L | 0.0556 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/02/2019 08:54 | 07/02/2019 14:27 | KML |

## Sample Information

**Client Sample ID:** **MW-2** **York Sample ID:** **19F1174-02**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F1174 | 190050 Manhattan Avenue | Water | June 26, 2019 12:00 am | 06/28/2019 |

### Metals, Target Analyte, ICP

**Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3015A

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 7439-96-5 | **Manganese** | **0.444** | | mg/L | 0.00556 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/02/2019 08:54 | 07/02/2019 14:27 | KML |
| 7440-02-0 | Nickel | ND | | mg/L | 0.0111 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/02/2019 08:54 | 07/02/2019 14:27 | KML |
| 7440-09-7 | **Potassium** | **6.61** | | mg/L | 0.0556 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/02/2019 08:54 | 07/02/2019 14:27 | KML |
| 7440-22-4 | Silver | ND | | mg/L | 0.00556 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/02/2019 08:54 | 07/02/2019 14:27 | KML |
| 7440-23-5 | **Sodium** | **31.4** | | mg/L | 0.556 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/02/2019 08:54 | 07/02/2019 14:27 | KML |
| 7440-62-2 | Vanadium | ND | | mg/L | 0.0111 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/02/2019 08:54 | 07/02/2019 14:27 | KML |
| 7440-66-6 | Zinc | ND | | mg/L | 0.0278 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/02/2019 08:54 | 07/02/2019 14:27 | KML |

### Metals, Target Analyte, ICPMS

**Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3015A

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 7440-36-0 | Antimony | ND | | ug/L | 1.11 | 1 | EPA 6020B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/02/2019 08:53 | 07/02/2019 14:40 | BML |
| 7440-38-2 | Arsenic | ND | | ug/L | 1.11 | 1 | EPA 6020B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/02/2019 08:53 | 07/02/2019 14:40 | BML |
| 7440-41-7 | Beryllium | ND | | ug/L | 0.333 | 1 | EPA 6020B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/02/2019 08:53 | 07/02/2019 14:40 | BML |
| 7440-43-9 | Cadmium | ND | | ug/L | 0.556 | 1 | EPA 6020B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/02/2019 08:53 | 07/02/2019 14:40 | BML |
| 7782-49-2 | Selenium | ND | | ug/L | 1.11 | 1 | EPA 6020B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/02/2019 08:53 | 07/02/2019 14:40 | BML |
| 7440-28-0 | Thallium | ND | | ug/L | 1.11 | 1 | EPA 6020B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/02/2019 08:53 | 07/02/2019 14:40 | BML |

### Mercury by 7473

**Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 7473 water

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 7439-97-6 | Mercury | ND | | mg/L | 0.00020 | 1 | EPA 7473<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/02/2019 08:49 | 07/02/2019 10:02 | SY |

## Sample Information

**Client Sample ID:** MW-2 **York Sample ID:** 19F1174-02

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F1174 | 190050 Manhattan Avenue | Water | June 26, 2019 12:00 am | 06/28/2019 |

### Chromium, Hexavalent

**Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 18540-29-9 | Chromium, Hexavalent | ND | HT-02 | mg/L | 0.0100 | 1 | EPA 7196A | 06/28/2019 20:06 | 06/28/2019 21:36 | MAC |
| | | | | | | | Certifications: | NELAC-NY10854,CTDOH,NJDEP,PADEP | | |

### Chromium, Trivalent

**Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 16065-83-1 | * Chromium, Trivalent | ND | | mg/L | 0.0100 | 1 | Calculation | 07/05/2019 15:22 | 07/05/2019 15:30 | AD |
| | | | | | | | Certifications: | | | |

## Sample Information

**Client Sample ID:** MW-3 **York Sample ID:** 19F1174-03

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F1174 | 190050 Manhattan Avenue | Water | June 26, 2019 12:00 am | 06/28/2019 |

### Volatile Organics, 8260 List - Low Level

**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 | 07/03/2019 07:00 | 07/03/2019 22:54 | TMP |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C | 07/03/2019 07:00 | 07/03/2019 22:54 | TMP |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C | 07/03/2019 07:00 | 07/03/2019 22:54 | TMP |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C | 07/03/2019 07:00 | 07/03/2019 22:54 | TMP |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C | 07/03/2019 07:00 | 07/03/2019 22:54 | TMP |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 75-34-3 | 1,1-Dichloroethane | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C | 07/03/2019 07:00 | 07/03/2019 22:54 | TMP |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 75-35-4 | **1,1-Dichloroethylene** | **4.7** | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C | 07/03/2019 07:00 | 07/03/2019 22:54 | TMP |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 563-58-6 | 1,1-Dichloropropylene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C | 07/03/2019 07:00 | 07/03/2019 22:54 | TMP |
| | | | | | | | | Certifications: | NELAC-NY10854,NELAC-NY12058,NJDEP | | |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C | 07/03/2019 07:00 | 07/03/2019 22:54 | TMP |
| | | | | | | | | Certifications: | NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | | |
| 96-18-4 | 1,2,3-Trichloropropane | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C | 07/03/2019 07:00 | 07/03/2019 22:54 | TMP |
| | | | | | | | | Certifications: | NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | | |

## Sample Information

**Client Sample ID:** **MW-3** **York Sample ID:** **19F1174-03**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F1174 | 190050 Manhattan Avenue | Water | June 26, 2019 12:00 am | 06/28/2019 |

**Volatile Organics, 8260 List - Low Level** **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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 95-93-2 | * 1,2,4,5-Tetramethylbenzene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: | 07/03/2019 07:00 | 07/03/2019 22:54 | TMP |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 07/03/2019 07:00 | 07/03/2019 22:54 | TMP |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 22:54 | TMP |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 22:54 | TMP |
| 106-93-4 | 1,2-Dibromoethane | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 22:54 | TMP |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 22:54 | TMP |
| 107-06-2 | 1,2-Dichloroethane | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 22:54 | TMP |
| 78-87-5 | 1,2-Dichloropropane | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 22:54 | TMP |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 22:54 | TMP |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 22:54 | TMP |
| 142-28-9 | 1,3-Dichloropropane | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 07/03/2019 07:00 | 07/03/2019 22:54 | TMP |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 22:54 | TMP |
| 594-20-7 | 2,2-Dichloropropane | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 07/03/2019 07:00 | 07/03/2019 22:54 | TMP |
| 78-93-3 | 2-Butanone | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 22:54 | TMP |
| 95-49-8 | 2-Chlorotoluene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 22:54 | TMP |
| 591-78-6 | 2-Hexanone | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 22:54 | TMP |
| 106-43-4 | 4-Chlorotoluene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 22:54 | TMP |
| 108-10-1 | 4-Methyl-2-pentanone | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 22:54 | TMP |
| 67-64-1 | **Acetone** | **16** | | ug/L | 1.0 | 2.0 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 22:54 | TMP |
| 71-43-2 | **Benzene** | **0.21** | J | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 22:54 | TMP |
| 108-86-1 | Bromobenzene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 07/03/2019 07:00 | 07/03/2019 22:54 | TMP |
| 74-97-5 | Bromochloromethane | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 07/03/2019 07:00 | 07/03/2019 22:54 | TMP |

## Sample Information

**Client Sample ID:** **MW-3** **York Sample ID:** **19F1174-03**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F1174 | 190050 Manhattan Avenue | Water | June 26, 2019 12:00 am | 06/28/2019 |

**Volatile Organics, 8260 List - Low Level** **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5030B

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 75-27-4 | Bromodichloromethane | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 22:54 | TMP |
| 75-25-2 | Bromoform | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 22:54 | TMP |
| 74-83-9 | Bromomethane | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 22:54 | TMP |
| 75-15-0 | **Carbon disulfide** | **0.43** | J | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 22:54 | TMP |
| 56-23-5 | Carbon tetrachloride | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 22:54 | TMP |
| 108-90-7 | Chlorobenzene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 22:54 | TMP |
| 75-00-3 | Chloroethane | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 22:54 | TMP |
| 67-66-3 | Chloroform | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 22:54 | TMP |
| 74-87-3 | Chloromethane | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 22:54 | TMP |
| 156-59-2 | **cis-1,2-Dichloroethylene** | **8000** | | ug/L | 20 | 50 | 100 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/05/2019 07:00 | 07/05/2019 12:24 | TMP |
| 10061-01-5 | cis-1,3-Dichloropropylene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 22:54 | TMP |
| 124-48-1 | Dibromochloromethane | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 22:54 | TMP |
| 74-95-3 | Dibromomethane | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 07/03/2019 07:00 | 07/03/2019 22:54 | TMP |
| 75-71-8 | Dichlorodifluoromethane | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 07/03/2019 07:00 | 07/03/2019 22:54 | TMP |
| 100-41-4 | Ethyl Benzene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 22:54 | TMP |
| 87-68-3 | Hexachlorobutadiene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 07/03/2019 07:00 | 07/03/2019 22:54 | TMP |
| 98-82-8 | Isopropylbenzene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 22:54 | TMP |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 22:54 | TMP |
| 75-09-2 | Methylene chloride | ND | | ug/L | 1.0 | 2.0 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 22:54 | TMP |
| 91-20-3 | **Naphthalene** | **1.7** | CCV-E, J, B | ug/L | 1.0 | 2.0 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 07/03/2019 07:00 | 07/03/2019 22:54 | TMP |
| 104-51-8 | n-Butylbenzene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 22:54 | TMP |
| 103-65-1 | n-Propylbenzene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 22:54 | TMP |

## Sample Information

**Client Sample ID:** **MW-3** **York Sample ID:** **19F1174-03**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F1174 | 190050 Manhattan Avenue | Water | June 26, 2019 12:00 am | 06/28/2019 |

### Volatile Organics, 8260 List - Low Level

**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** | **0.31** | J | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA | 07/03/2019 07:00 | 07/03/2019 22:54 | TMP |
| 179601-23-1 | p- & m- Xylenes | ND | | ug/L | 0.50 | 1.0 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA | 07/03/2019 07:00 | 07/03/2019 22:54 | TMP |
| 105-05-5 | * p-Diethylbenzene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: | 07/03/2019 07:00 | 07/03/2019 22:54 | TMP |
| 622-96-8 | * p-Ethyltoluene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: | 07/03/2019 07:00 | 07/03/2019 22:54 | TMP |
| 99-87-6 | p-Isopropyltoluene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 22:54 | TMP |
| 135-98-8 | sec-Butylbenzene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 22:54 | TMP |
| 100-42-5 | Styrene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 22:54 | TMP |
| 98-06-6 | tert-Butylbenzene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 22:54 | TMP |
| 127-18-4 | **Tetrachloroethylene** | **0.79** | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 22:54 | TMP |
| 108-88-3 | **Toluene** | **0.64** | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 22:54 | TMP |
| 156-60-5 | **trans-1,2-Dichloroethylene** | **2.8** | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/05/2019 07:00 | 07/05/2019 11:46 | TMP |
| 10061-02-6 | trans-1,3-Dichloropropylene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 22:54 | TMP |
| 79-01-6 | **Trichloroethylene** | **1.1** | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 22:54 | TMP |
| 75-69-4 | Trichlorofluoromethane | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 22:54 | TMP |
| 75-01-4 | **Vinyl Chloride** | **15** | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/05/2019 07:00 | 07/05/2019 11:46 | TMP |
| 1330-20-7 | Xylenes, Total | ND | | ug/L | 0.60 | 1.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/03/2019 07:00 | 07/03/2019 22:54 | TMP |

| | Surrogate Recoveries | Result | Acceptance Range |
|---|---|---|---|
| 17060-07-0 | *Surrogate: SURR: 1,2-Dichloroethane-d4* | *89.4 %* | *69-130* |
| 2037-26-5 | *Surrogate: SURR: Toluene-d8* | *100 %* | *81-117* |
| 460-00-4 | *Surrogate: SURR: p-Bromofluorobenzene* | *104 %* | *79-122* |

### Semi-Volatiles, 8270 Target List

**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:** **MW-3** **York Sample ID:** **19F1174-03**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F1174 | 190050 Manhattan Avenue | Water | June 26, 2019 12:00 am | 06/28/2019 |

**Semi-Volatiles, 8270 Target List** **Log-in Notes:** **Sample Notes:** EXT-EM

Sample Prepared by Method: EPA 3510C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | ug/L | 3.12 | 6.25 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 12:06 | KH |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | ug/L | 3.12 | 6.25 | 1 | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP | 07/01/2019 14:45 | 07/02/2019 12:06 | KH |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | ug/L | 3.12 | 6.25 | 1 | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP | 07/01/2019 14:45 | 07/02/2019 12:06 | KH |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | ug/L | 3.12 | 6.25 | 1 | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP | 07/01/2019 14:45 | 07/02/2019 12:06 | KH |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | | ug/L | 3.12 | 6.25 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 12:06 | KH |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | | ug/L | 3.12 | 6.25 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 12:06 | KH |
| 120-83-2 | 2,4-Dichlorophenol | ND | | ug/L | 3.12 | 6.25 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 12:06 | KH |
| 105-67-9 | 2,4-Dimethylphenol | ND | | ug/L | 3.12 | 6.25 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 12:06 | KH |
| 51-28-5 | 2,4-Dinitrophenol | ND | | ug/L | 3.12 | 6.25 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 12:06 | KH |
| 121-14-2 | 2,4-Dinitrotoluene | ND | | ug/L | 3.12 | 6.25 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 12:06 | KH |
| 606-20-2 | 2,6-Dinitrotoluene | ND | | ug/L | 3.12 | 6.25 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 12:06 | KH |
| 91-58-7 | 2-Chloronaphthalene | ND | | ug/L | 3.12 | 6.25 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 12:06 | KH |
| 95-57-8 | 2-Chlorophenol | ND | | ug/L | 3.12 | 6.25 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 12:06 | KH |
| 91-57-6 | 2-Methylnaphthalene | ND | | ug/L | 3.12 | 6.25 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 12:06 | KH |
| 95-48-7 | 2-Methylphenol | ND | | ug/L | 3.12 | 6.25 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 12:06 | KH |
| 88-74-4 | 2-Nitroaniline | ND | | ug/L | 3.12 | 6.25 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 12:06 | KH |
| 88-75-5 | 2-Nitrophenol | ND | | ug/L | 3.12 | 6.25 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 12:06 | KH |
| 65794-96-9 | 3- & 4-Methylphenols | ND | | ug/L | 3.12 | 6.25 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 12:06 | KH |
| 91-94-1 | 3,3-Dichlorobenzidine | ND | | ug/L | 3.12 | 6.25 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 12:06 | KH |
| 99-09-2 | 3-Nitroaniline | ND | | ug/L | 3.12 | 6.25 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 12:06 | KH |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | ND | | ug/L | 3.12 | 6.25 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 12:06 | KH |

## Sample Information

**Client Sample ID:** **MW-3** **York Sample ID:** **19F1174-03**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F1174 | 190050 Manhattan Avenue | Water | June 26, 2019 12:00 am | 06/28/2019 |

**Semi-Volatiles, 8270 Target List** **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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | | ug/L | 3.12 | 6.25 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 12:06 | KH |
| 59-50-7 | 4-Chloro-3-methylphenol | ND | | ug/L | 3.12 | 6.25 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 12:06 | KH |
| 106-47-8 | 4-Chloroaniline | ND | | ug/L | 3.12 | 6.25 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 12:06 | KH |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | | ug/L | 3.12 | 6.25 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 12:06 | KH |
| 100-01-6 | 4-Nitroaniline | ND | | ug/L | 3.12 | 6.25 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 12:06 | KH |
| 100-02-7 | 4-Nitrophenol | ND | | ug/L | 3.12 | 6.25 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 12:06 | KH |
| 83-32-9 | Acenaphthene | ND | | ug/L | 0.0625 | 0.0625 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 16:43 | OW |
| 208-96-8 | Acenaphthylene | ND | | ug/L | 0.0625 | 0.0625 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 16:43 | OW |
| 62-53-3 | Aniline | ND | | ug/L | 3.12 | 6.25 | 1 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 12:06 | KH |
| 120-12-7 | Anthracene | ND | | ug/L | 0.0625 | 0.0625 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 16:43 | OW |
| 56-55-3 | Benzo(a)anthracene | ND | | ug/L | 0.0625 | 0.0625 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 16:43 | OW |
| 50-32-8 | Benzo(a)pyrene | ND | | ug/L | 0.0625 | 0.0625 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 16:43 | OW |
| 205-99-2 | Benzo(b)fluoranthene | ND | | ug/L | 0.0625 | 0.0625 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 16:43 | OW |
| 191-24-2 | Benzo(g,h,i)perylene | ND | | ug/L | 0.0625 | 0.0625 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 16:43 | OW |
| 207-08-9 | Benzo(k)fluoranthene | ND | | ug/L | 0.0625 | 0.0625 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 16:43 | OW |
| 100-51-6 | Benzyl alcohol | ND | | ug/L | 3.12 | 6.25 | 1 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 12:06 | KH |
| 85-68-7 | Benzyl butyl phthalate | ND | | ug/L | 3.12 | 6.25 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 12:06 | KH |
| 111-91-1 | Bis(2-chloroethoxy)methane | ND | | ug/L | 3.12 | 6.25 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 12:06 | KH |
| 111-44-4 | Bis(2-chloroethyl)ether | ND | | ug/L | 3.12 | 6.25 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 12:06 | KH |
| 108-60-1 | Bis(2-chloroisopropyl)ether | ND | | ug/L | 3.12 | 6.25 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 12:06 | KH |
| 117-81-7 | **Bis(2-ethylhexyl)phthalate** | **0.788** | | ug/L | 0.625 | 0.625 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 16:43 | OW |

## Sample Information

**Client Sample ID:** **MW-3** **York Sample ID:** **19F1174-03**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F1174 | 190050 Manhattan Avenue | Water | June 26, 2019 12:00 am | 06/28/2019 |

**Semi-Volatiles, 8270 Target List** **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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 218-01-9 | Chrysene | ND | | ug/L | 0.0625 | 0.0625 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 16:43 | OW |
| 53-70-3 | Dibenzo(a,h)anthracene | ND | | ug/L | 0.0625 | 0.0625 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 16:43 | OW |
| 132-64-9 | Dibenzofuran | ND | | ug/L | 3.12 | 6.25 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 12:06 | KH |
| 84-66-2 | Diethyl phthalate | ND | | ug/L | 3.12 | 6.25 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 12:06 | KH |
| 131-11-3 | Dimethyl phthalate | ND | | ug/L | 3.12 | 6.25 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 12:06 | KH |
| 84-74-2 | Di-n-butyl phthalate | ND | | ug/L | 3.12 | 6.25 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 12:06 | KH |
| 117-84-0 | Di-n-octyl phthalate | ND | | ug/L | 3.12 | 6.25 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 12:06 | KH |
| 206-44-0 | Fluoranthene | ND | | ug/L | 0.0625 | 0.0625 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 16:43 | OW |
| 86-73-7 | Fluorene | ND | | ug/L | 0.0625 | 0.0625 | 1 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 16:43 | OW |
| 118-74-1 | Hexachlorobenzene | ND | | ug/L | 0.0250 | 0.0250 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 16:43 | OW |
| 87-68-3 | Hexachlorobutadiene | ND | | ug/L | 0.625 | 0.625 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 16:43 | OW |
| 77-47-4 | Hexachlorocyclopentadiene | ND | | ug/L | 3.12 | 6.25 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 12:06 | KH |
| 67-72-1 | Hexachloroethane | ND | | ug/L | 0.625 | 0.625 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 16:43 | OW |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | ND | | ug/L | 0.0625 | 0.0625 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 16:43 | OW |
| 78-59-1 | Isophorone | ND | | ug/L | 3.12 | 6.25 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 12:06 | KH |
| 91-20-3 | Naphthalene | ND | | ug/L | 0.0625 | 0.0625 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 16:43 | OW |
| 98-95-3 | Nitrobenzene | ND | | ug/L | 0.312 | 0.312 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 16:43 | OW |
| 62-75-9 | N-Nitrosodimethylamine | ND | | ug/L | 0.625 | 0.625 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 16:43 | OW |
| 621-64-7 | N-nitroso-di-n-propylamine | ND | | ug/L | 3.12 | 6.25 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 12:06 | KH |
| 86-30-6 | N-Nitrosodiphenylamine | ND | | ug/L | 3.12 | 6.25 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 12:06 | KH |
| 87-86-5 | Pentachlorophenol | ND | | ug/L | 0.312 | 0.312 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 16:43 | OW |

# Sample Information

**Client Sample ID:** MW-3 **York Sample ID:** 19F1174-03

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F1174 | 190050 Manhattan Avenue | Water | June 26, 2019 12:00 am | 06/28/2019 |

## Semi-Volatiles, 8270 Target List

**Log-in Notes:** **Sample Notes:** EXT-EM

Sample Prepared by Method: EPA 3510C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 85-01-8 | Phenanthrene | ND | | ug/L | 0.0625 | 0.0625 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 16:43 | OW |
| 108-95-2 | Phenol | ND | | ug/L | 3.12 | 6.25 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 12:06 | KH |
| 129-00-0 | Pyrene | ND | | ug/L | 0.0625 | 0.0625 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 16:43 | OW |
| 110-86-1 | Pyridine | ND | | ug/L | 3.12 | 6.25 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 12:06 | KH |

| | Surrogate Recoveries | Result | Acceptance Range |
|---|---|---|---|
| 367-12-4 | *Surrogate: SURR: 2-Fluorophenol* | *48.3 %* | *19.7-63.1* |
| 4165-62-2 | *Surrogate: SURR: Phenol-d5* | *28.3 %* | *10.1-41.7* |
| 4165-60-0 | *Surrogate: SURR: Nitrobenzene-d5* | *84.7 %* | *50.2-113* |
| 321-60-8 | *Surrogate: SURR: 2-Fluorobiphenyl* | *83.4 %* | *39.9-105* |
| 118-79-6 | *Surrogate: SURR: 2,4,6-Tribromophenol* | *102 %* | *39.3-151* |
| 1718-51-0 | *Surrogate: SURR: Terphenyl-d14* | *80.8 %* | *30.7-106* |

## Pesticides, 8081 target list

**Log-in Notes:** **Sample Notes:**

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

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 72-54-8 | 4,4'-DDD | ND | | ug/L | 0.00727 | 1 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 12:03 | 07/02/2019 20:54 | CM |
| 72-55-9 | 4,4'-DDE | ND | | ug/L | 0.00727 | 1 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 12:03 | 07/02/2019 20:54 | CM |
| 50-29-3 | 4,4'-DDT | ND | | ug/L | 0.00727 | 1 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 12:03 | 07/02/2019 20:54 | CM |
| 309-00-2 | Aldrin | ND | | ug/L | 0.00727 | 1 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 12:03 | 07/02/2019 20:54 | CM |
| 319-84-6 | alpha-BHC | ND | | ug/L | 0.00727 | 1 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 12:03 | 07/02/2019 20:54 | CM |
| 5103-71-9 | alpha-Chlordane | ND | | ug/L | 0.00727 | 1 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 12:03 | 07/02/2019 20:54 | CM |
| 319-85-7 | beta-BHC | ND | | ug/L | 0.00727 | 1 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 12:03 | 07/02/2019 20:54 | CM |
| 57-74-9 | Chlordane, total | ND | | ug/L | 0.0364 | 1 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 12:03 | 07/02/2019 20:54 | CM |
| 319-86-8 | delta-BHC | ND | | ug/L | 0.00727 | 1 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 12:03 | 07/02/2019 20:54 | CM |
| 60-57-1 | Dieldrin | ND | | ug/L | 0.00364 | 1 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 12:03 | 07/02/2019 20:54 | CM |

## Sample Information

**Client Sample ID:** **MW-3** **York Sample ID:** **19F1174-03**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F1174 | 190050 Manhattan Avenue | Water | June 26, 2019 12:00 am | 06/28/2019 |

### Pesticides, 8081 target list

**Log-in Notes:** **Sample Notes:**

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

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 959-98-8 | Endosulfan I | ND | | ug/L | 0.00727 | 1 | EPA 8081B | 07/01/2019 12:03 | 07/02/2019 20:54 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 33213-65-9 | Endosulfan II | ND | | ug/L | 0.00727 | 1 | EPA 8081B | 07/01/2019 12:03 | 07/02/2019 20:54 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 1031-07-8 | Endosulfan sulfate | ND | | ug/L | 0.00727 | 1 | EPA 8081B | 07/01/2019 12:03 | 07/02/2019 20:54 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 72-20-8 | Endrin | ND | | ug/L | 0.00727 | 1 | EPA 8081B | 07/01/2019 12:03 | 07/02/2019 20:54 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 7421-93-4 | Endrin aldehyde | ND | | ug/L | 0.0182 | 1 | EPA 8081B | 07/01/2019 12:03 | 07/02/2019 20:54 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 53494-70-5 | Endrin ketone | ND | | ug/L | 0.0182 | 1 | EPA 8081B | 07/01/2019 12:03 | 07/02/2019 20:54 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 58-89-9 | gamma-BHC (Lindane) | ND | | ug/L | 0.00727 | 1 | EPA 8081B | 07/01/2019 12:03 | 07/02/2019 20:54 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 5566-34-7 | gamma-Chlordane | ND | | ug/L | 0.0182 | 1 | EPA 8081B | 07/01/2019 12:03 | 07/02/2019 20:54 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 76-44-8 | Heptachlor | ND | | ug/L | 0.00727 | 1 | EPA 8081B | 07/01/2019 12:03 | 07/02/2019 20:54 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 1024-57-3 | Heptachlor epoxide | ND | | ug/L | 0.00727 | 1 | EPA 8081B | 07/01/2019 12:03 | 07/02/2019 20:54 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 72-43-5 | Methoxychlor | ND | | ug/L | 0.00727 | 1 | EPA 8081B | 07/01/2019 12:03 | 07/02/2019 20:54 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 8001-35-2 | Toxaphene | ND | | ug/L | 0.182 | 1 | EPA 8081B | 07/01/2019 12:03 | 07/02/2019 20:54 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |

| | Surrogate Recoveries | Result | Acceptance Range |
|---|---|---|---|
| 2051-24-3 | *Surrogate: Decachlorobiphenyl* | *42.8 %* | *30-150* |
| 877-09-8 | *Surrogate: Tetrachloro-m-xylene* | *69.7 %* | *30-150* |

### Polychlorinated Biphenyls (PCB)

**Log-in Notes:** **Sample Notes:**

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

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 12674-11-2 | Aroclor 1016 | ND | | ug/L | 0.0909 | 1 | EPA 8082A | 07/01/2019 12:03 | 07/03/2019 20:12 | SR |
| | | | | | | | Certifications: | NELAC-NY10854,CTDOH,NJDEP,PADEP | | |
| 11104-28-2 | Aroclor 1221 | ND | | ug/L | 0.0909 | 1 | EPA 8082A | 07/01/2019 12:03 | 07/03/2019 20:12 | SR |
| | | | | | | | Certifications: | NELAC-NY10854,CTDOH,NJDEP,PADEP | | |
| 11141-16-5 | Aroclor 1232 | ND | | ug/L | 0.0909 | 1 | EPA 8082A | 07/01/2019 12:03 | 07/03/2019 20:12 | SR |
| | | | | | | | Certifications: | NELAC-NY10854,CTDOH,NJDEP,PADEP | | |
| 53469-21-9 | Aroclor 1242 | ND | | ug/L | 0.0909 | 1 | EPA 8082A | 07/01/2019 12:03 | 07/03/2019 20:12 | SR |
| | | | | | | | Certifications: | NELAC-NY10854,CTDOH,NJDEP,PADEP | | |
| 12672-29-6 | Aroclor 1248 | ND | | ug/L | 0.0909 | 1 | EPA 8082A | 07/01/2019 12:03 | 07/03/2019 20:12 | SR |
| | | | | | | | Certifications: | NELAC-NY10854,CTDOH,NJDEP,PADEP | | |

## Sample Information

**Client Sample ID:** **MW-3** **York Sample ID:** **19F1174-03**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F1174 | 190050 Manhattan Avenue | Water | June 26, 2019 12:00 am | 06/28/2019 |

### Polychlorinated Biphenyls (PCB)

**Log-in Notes:** **Sample Notes:**

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

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 11097-69-1 | Aroclor 1254 | ND | | ug/L | 0.0909 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 07/01/2019 12:03 | 07/03/2019 20:12 | SR |
| 11096-82-5 | Aroclor 1260 | ND | | ug/L | 0.0909 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 07/01/2019 12:03 | 07/03/2019 20:12 | SR |
| 1336-36-3 | * Total PCBs | ND | | ug/L | 0.0909 | 1 | EPA 8082A<br>Certifications: | 07/01/2019 12:03 | 07/03/2019 20:12 | SR |

| | Surrogate Recoveries | Result | Acceptance Range |
|---|---|---|---|
| 877-09-8 | *Surrogate: Tetrachloro-m-xylene* | *104 %* | *30-120* |
| 2051-24-3 | *Surrogate: Decachlorobiphenyl* | *68.5 %* | *30-120* |

### Metals, Target Analyte, ICP

**Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3015A

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 7429-90-5 | **Aluminum** | **0.0714** | | mg/L | 0.0556 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/02/2019 08:54 | 07/02/2019 14:30 | KML |
| 7440-39-3 | **Barium** | **0.189** | | mg/L | 0.0278 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/02/2019 08:54 | 07/02/2019 14:30 | KML |
| 7440-70-2 | **Calcium** | **107** | | mg/L | 0.0556 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/02/2019 08:54 | 07/02/2019 14:30 | KML |
| 7440-47-3 | Chromium | ND | | mg/L | 0.00556 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/02/2019 08:54 | 07/02/2019 14:30 | KML |
| 7440-48-4 | Cobalt | ND | | mg/L | 0.00444 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/02/2019 08:54 | 07/02/2019 14:30 | KML |
| 7440-50-8 | Copper | ND | | mg/L | 0.0222 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/02/2019 08:54 | 07/02/2019 14:30 | KML |
| 7439-89-6 | **Iron** | **0.315** | | mg/L | 0.278 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/02/2019 08:54 | 07/02/2019 14:30 | KML |
| 7439-92-1 | Lead | ND | | mg/L | 0.00556 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/02/2019 08:54 | 07/02/2019 14:30 | KML |
| 7439-95-4 | **Magnesium** | **38.3** | | mg/L | 0.0556 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/02/2019 08:54 | 07/02/2019 14:30 | KML |
| 7439-96-5 | **Manganese** | **1.70** | | mg/L | 0.00556 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/02/2019 08:54 | 07/02/2019 14:30 | KML |
| 7440-02-0 | Nickel | ND | | mg/L | 0.0111 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/02/2019 08:54 | 07/02/2019 14:30 | KML |
| 7440-09-7 | **Potassium** | **5.60** | | mg/L | 0.0556 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/02/2019 08:54 | 07/02/2019 14:30 | KML |
| 7440-22-4 | Silver | ND | | mg/L | 0.00556 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/02/2019 08:54 | 07/02/2019 14:30 | KML |
| 7440-23-5 | **Sodium** | **118** | | mg/L | 0.556 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/02/2019 08:54 | 07/02/2019 14:30 | KML |

# Sample Information

**Client Sample ID:** MW-3 **York Sample ID:** 19F1174-03

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F1174 | 190050 Manhattan Avenue | Water | June 26, 2019 12:00 am | 06/28/2019 |

## Metals, Target Analyte, ICP

**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 |
|---|---|---|---|---|---|---|---|---|---|---|
| 7440-62-2 | Vanadium | ND | | mg/L | 0.0111 | 1 | EPA 6010D | 07/02/2019 08:54 | 07/02/2019 14:30 | KML |
| | | | | | | | Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | | | |
| 7440-66-6 | Zinc | ND | | mg/L | 0.0278 | 1 | EPA 6010D | 07/02/2019 08:54 | 07/02/2019 14:30 | KML |
| | | | | | | | Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | | | |

## Metals, Target Analyte, ICPMS

**Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3015A

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 7440-36-0 | Antimony | ND | | ug/L | 1.11 | 1 | EPA 6020B | 07/02/2019 08:53 | 07/02/2019 14:45 | BML |
| | | | | | | | Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | | | |
| 7440-38-2 | Arsenic | ND | | ug/L | 1.11 | 1 | EPA 6020B | 07/02/2019 08:53 | 07/02/2019 14:45 | BML |
| | | | | | | | Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | | | |
| 7440-41-7 | Beryllium | ND | | ug/L | 0.333 | 1 | EPA 6020B | 07/02/2019 08:53 | 07/02/2019 14:45 | BML |
| | | | | | | | Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | | | |
| 7440-43-9 | Cadmium | ND | | ug/L | 0.556 | 1 | EPA 6020B | 07/02/2019 08:53 | 07/02/2019 14:45 | BML |
| | | | | | | | Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | | | |
| 7782-49-2 | Selenium | ND | | ug/L | 1.11 | 1 | EPA 6020B | 07/02/2019 08:53 | 07/02/2019 14:45 | BML |
| | | | | | | | Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | | | |
| 7440-28-0 | Thallium | ND | | ug/L | 1.11 | 1 | EPA 6020B | 07/02/2019 08:53 | 07/02/2019 14:45 | BML |
| | | | | | | | Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | | | |

## 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 | 07/02/2019 08:49 | 07/02/2019 10:13 | SY |
| | | | | | | | Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | | | |

## Chromium, Hexavalent

**Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 18540-29-9 | Chromium, Hexavalent | ND | HT-02 | mg/L | 0.0100 | 1 | EPA 7196A | 06/28/2019 20:06 | 06/28/2019 21:36 | MAC |
| | | | | | | | Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | | | |

## Chromium, Trivalent

**Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 16065-83-1 | * Chromium, Trivalent | ND | | mg/L | 0.0100 | 1 | Calculation | 07/05/2019 15:22 | 07/05/2019 15:30 | AD |
| | | | | | | | Certifications: | | | |

## Sample Information

**Client Sample ID:** **MW-3** **York Sample ID:** **19F1174-03**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F1174 | 190050 Manhattan Avenue | Water | June 26, 2019 12:00 am | 06/28/2019 |

## Sample Information

**Client Sample ID:** **MW-4** **York Sample ID:** **19F1174-04**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F1174 | 190050 Manhattan Avenue | Water | June 26, 2019 12:00 am | 06/28/2019 |

**Volatile Organics, 8260 List - Low Level** **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<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/05/2019 07:00 | 07/05/2019 13:07 | TMP |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/05/2019 07:00 | 07/05/2019 13:07 | TMP |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/05/2019 07:00 | 07/05/2019 13:07 | TMP |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/05/2019 07:00 | 07/05/2019 13:07 | TMP |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/05/2019 07:00 | 07/05/2019 13:07 | TMP |
| 75-34-3 | 1,1-Dichloroethane | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/05/2019 07:00 | 07/05/2019 13:07 | TMP |
| 75-35-4 | 1,1-Dichloroethylene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/05/2019 07:00 | 07/05/2019 13:07 | TMP |
| 563-58-6 | 1,1-Dichloropropylene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP | 07/05/2019 07:00 | 07/05/2019 13:07 | TMP |
| 87-61-6 | 1,2,3-Trichlorobenzene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 07/05/2019 07:00 | 07/05/2019 13:07 | TMP |
| 96-18-4 | 1,2,3-Trichloropropane | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 07/05/2019 07:00 | 07/05/2019 13:07 | TMP |
| 95-93-2 | * 1,2,4,5-Tetramethylbenzene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: | 07/05/2019 07:00 | 07/05/2019 13:07 | TMP |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | 07/05/2019 07:00 | 07/05/2019 13:07 | TMP |
| 95-63-6 | 1,2,4-Trimethylbenzene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/05/2019 07:00 | 07/05/2019 13:07 | TMP |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/05/2019 07:00 | 07/05/2019 13:07 | TMP |
| 106-93-4 | 1,2-Dibromoethane | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/05/2019 07:00 | 07/05/2019 13:07 | TMP |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/05/2019 07:00 | 07/05/2019 13:07 | TMP |
| 107-06-2 | 1,2-Dichloroethane | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/05/2019 07:00 | 07/05/2019 13:07 | TMP |

## Sample Information

**Client Sample ID:** **MW-4** **York Sample ID:** **19F1174-04**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F1174 | 190050 Manhattan Avenue | Water | June 26, 2019 12:00 am | 06/28/2019 |

**Volatile Organics, 8260 List - Low Level** **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5030B

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 78-87-5 | 1,2-Dichloropropane | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C | 07/05/2019 07:00 | 07/05/2019 13:07 | TMP |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C | 07/05/2019 07:00 | 07/05/2019 13:07 | TMP |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C | 07/05/2019 07:00 | 07/05/2019 13:07 | TMP |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 142-28-9 | 1,3-Dichloropropane | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C | 07/05/2019 07:00 | 07/05/2019 13:07 | TMP |
| | | | | | | | | Certifications: | NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C | 07/05/2019 07:00 | 07/05/2019 13:07 | TMP |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 594-20-7 | 2,2-Dichloropropane | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C | 07/05/2019 07:00 | 07/05/2019 13:07 | TMP |
| | | | | | | | | Certifications: | NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | | |
| 78-93-3 | 2-Butanone | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C | 07/05/2019 07:00 | 07/05/2019 13:07 | TMP |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 95-49-8 | 2-Chlorotoluene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C | 07/05/2019 07:00 | 07/05/2019 13:07 | TMP |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 591-78-6 | 2-Hexanone | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C | 07/05/2019 07:00 | 07/05/2019 13:07 | TMP |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 106-43-4 | 4-Chlorotoluene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C | 07/05/2019 07:00 | 07/05/2019 13:07 | TMP |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 108-10-1 | 4-Methyl-2-pentanone | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C | 07/05/2019 07:00 | 07/05/2019 13:07 | TMP |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 67-64-1 | **Acetone** | **6.9** | CCV-E | ug/L | 1.0 | 2.0 | 1 | EPA 8260C | 07/05/2019 07:00 | 07/05/2019 13:07 | TMP |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 71-43-2 | Benzene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C | 07/05/2019 07:00 | 07/05/2019 13:07 | TMP |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 108-86-1 | Bromobenzene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C | 07/05/2019 07:00 | 07/05/2019 13:07 | TMP |
| | | | | | | | | Certifications: | NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | | |
| 74-97-5 | Bromochloromethane | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C | 07/05/2019 07:00 | 07/05/2019 13:07 | TMP |
| | | | | | | | | Certifications: | NELAC-NY10854,NELAC-NY12058,NJDEP,PAI | | |
| 75-27-4 | Bromodichloromethane | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C | 07/05/2019 07:00 | 07/05/2019 13:07 | TMP |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 75-25-2 | Bromoform | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C | 07/05/2019 07:00 | 07/05/2019 13:07 | TMP |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 74-83-9 | Bromomethane | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C | 07/05/2019 07:00 | 07/05/2019 13:07 | TMP |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 75-15-0 | **Carbon disulfide** | **0.20** | J | ug/L | 0.20 | 0.50 | 1 | EPA 8260C | 07/05/2019 07:00 | 07/05/2019 13:07 | TMP |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 56-23-5 | Carbon tetrachloride | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C | 07/05/2019 07:00 | 07/05/2019 13:07 | TMP |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 108-90-7 | Chlorobenzene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C | 07/05/2019 07:00 | 07/05/2019 13:07 | TMP |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |
| 75-00-3 | Chloroethane | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C | 07/05/2019 07:00 | 07/05/2019 13:07 | TMP |
| | | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | | |

## Sample Information

**Client Sample ID:** **MW-4** **York Sample ID:** **19F1174-04**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F1174 | 190050 Manhattan Avenue | Water | June 26, 2019 12:00 am | 06/28/2019 |

**Volatile Organics, 8260 List - Low Level** **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 | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/05/2019 07:00 | 07/05/2019 13:07 | TMP |
| 74-87-3 | Chloromethane | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/05/2019 07:00 | 07/05/2019 13:07 | TMP |
| 156-59-2 | **cis-1,2-Dichloroethylene** | **47** | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/05/2019 07:00 | 07/05/2019 13:07 | TMP |
| 10061-01-5 | cis-1,3-Dichloropropylene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/05/2019 07:00 | 07/05/2019 13:07 | TMP |
| 124-48-1 | Dibromochloromethane | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/05/2019 07:00 | 07/05/2019 13:07 | TMP |
| 74-95-3 | Dibromomethane | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 07/05/2019 07:00 | 07/05/2019 13:07 | TMP |
| 75-71-8 | Dichlorodifluoromethane | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 07/05/2019 07:00 | 07/05/2019 13:07 | TMP |
| 100-41-4 | Ethyl Benzene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/05/2019 07:00 | 07/05/2019 13:07 | TMP |
| 87-68-3 | Hexachlorobutadiene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 07/05/2019 07:00 | 07/05/2019 13:07 | TMP |
| 98-82-8 | Isopropylbenzene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/05/2019 07:00 | 07/05/2019 13:07 | TMP |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/05/2019 07:00 | 07/05/2019 13:07 | TMP |
| 75-09-2 | Methylene chloride | ND | | ug/L | 1.0 | 2.0 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/05/2019 07:00 | 07/05/2019 13:07 | TMP |
| 91-20-3 | **Naphthalene** | **1.6** | CCV-E, J, B | ug/L | 1.0 | 2.0 | 1 | EPA 8260C<br>Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAL | 07/05/2019 07:00 | 07/05/2019 13:07 | TMP |
| 104-51-8 | n-Butylbenzene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/05/2019 07:00 | 07/05/2019 13:07 | TMP |
| 103-65-1 | n-Propylbenzene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/05/2019 07:00 | 07/05/2019 13:07 | TMP |
| 95-47-6 | o-Xylene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA | 07/05/2019 07:00 | 07/05/2019 13:07 | TMP |
| 179601-23-1 | p- & m- Xylenes | ND | | ug/L | 0.50 | 1.0 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA | 07/05/2019 07:00 | 07/05/2019 13:07 | TMP |
| 105-05-5 | * p-Diethylbenzene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: | 07/05/2019 07:00 | 07/05/2019 13:07 | TMP |
| 622-96-8 | * p-Ethyltoluene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: | 07/05/2019 07:00 | 07/05/2019 13:07 | TMP |
| 99-87-6 | p-Isopropyltoluene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/05/2019 07:00 | 07/05/2019 13:07 | TMP |
| 135-98-8 | sec-Butylbenzene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/05/2019 07:00 | 07/05/2019 13:07 | TMP |
| 100-42-5 | Styrene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/05/2019 07:00 | 07/05/2019 13:07 | TMP |

## Sample Information

**Client Sample ID:** **MW-4** **York Sample ID:** **19F1174-04**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F1174 | 190050 Manhattan Avenue | Water | June 26, 2019 12:00 am | 06/28/2019 |

### Volatile Organics, 8260 List - Low Level

**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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 98-06-6 | tert-Butylbenzene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/05/2019 07:00 | 07/05/2019 13:07 | TMP |
| 127-18-4 | **Tetrachloroethylene** | **2.1** | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/05/2019 07:00 | 07/05/2019 13:07 | TMP |
| 108-88-3 | Toluene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/05/2019 07:00 | 07/05/2019 13:07 | TMP |
| 156-60-5 | **trans-1,2-Dichloroethylene** | **0.98** | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/05/2019 07:00 | 07/05/2019 13:07 | TMP |
| 10061-02-6 | trans-1,3-Dichloropropylene | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/05/2019 07:00 | 07/05/2019 13:07 | TMP |
| 79-01-6 | **Trichloroethylene** | **13** | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/05/2019 07:00 | 07/05/2019 13:07 | TMP |
| 75-69-4 | Trichlorofluoromethane | ND | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/05/2019 07:00 | 07/05/2019 13:07 | TMP |
| 75-01-4 | **Vinyl Chloride** | **1.9** | | ug/L | 0.20 | 0.50 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/05/2019 07:00 | 07/05/2019 13:07 | TMP |
| 1330-20-7 | Xylenes, Total | ND | | ug/L | 0.60 | 1.5 | 1 | EPA 8260C<br>Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ | 07/05/2019 07:00 | 07/05/2019 13:07 | TMP |

| | Surrogate Recoveries | Result | Acceptance Range |
|---|---|---|---|
| 17060-07-0 | *Surrogate: SURR: 1,2-Dichloroethane-d4* | *87.8 %* | *69-130* |
| 2037-26-5 | *Surrogate: SURR: Toluene-d8* | *102 %* | *81-117* |
| 460-00-4 | *Surrogate: SURR: p-Bromofluorobenzene* | *113 %* | *79-122* |

### Semi-Volatiles, 8270 Target List

**Log-in Notes:** **Sample Notes:** **EXT-EM**

Sample Prepared by Method: EPA 3510C

| CAS No. | Parameter | Result | Flag | Units | Reported to LOD/MDL | LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | ug/L | 5.00 | 10.0 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 12:37 | KH |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | ug/L | 5.00 | 10.0 | 1 | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP | 07/01/2019 14:45 | 07/02/2019 12:37 | KH |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | ug/L | 5.00 | 10.0 | 1 | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP | 07/01/2019 14:45 | 07/02/2019 12:37 | KH |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | ug/L | 5.00 | 10.0 | 1 | EPA 8270D<br>Certifications: NELAC-NY10854,PADEP | 07/01/2019 14:45 | 07/02/2019 12:37 | KH |
| 95-95-4 | 2,4,5-Trichlorophenol | ND | | ug/L | 5.00 | 10.0 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 12:37 | KH |
| 88-06-2 | 2,4,6-Trichlorophenol | ND | | ug/L | 5.00 | 10.0 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 12:37 | KH |
| 120-83-2 | 2,4-Dichlorophenol | ND | | ug/L | 5.00 | 10.0 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 12:37 | KH |

## Sample Information

**Client Sample ID:** MW-4 **York Sample ID:** 19F1174-04

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F1174 | 190050 Manhattan Avenue | Water | June 26, 2019 12:00 am | 06/28/2019 |

**Semi-Volatiles, 8270 Target List** **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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 105-67-9 | 2,4-Dimethylphenol | ND | | ug/L | 5.00 | 10.0 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 12:37 | KH |
| 51-28-5 | 2,4-Dinitrophenol | ND | | ug/L | 5.00 | 10.0 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 12:37 | KH |
| 121-14-2 | 2,4-Dinitrotoluene | ND | | ug/L | 5.00 | 10.0 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 12:37 | KH |
| 606-20-2 | 2,6-Dinitrotoluene | ND | | ug/L | 5.00 | 10.0 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 12:37 | KH |
| 91-58-7 | 2-Chloronaphthalene | ND | | ug/L | 5.00 | 10.0 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 12:37 | KH |
| 95-57-8 | 2-Chlorophenol | ND | | ug/L | 5.00 | 10.0 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 12:37 | KH |
| 91-57-6 | 2-Methylnaphthalene | ND | | ug/L | 5.00 | 10.0 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 12:37 | KH |
| 95-48-7 | 2-Methylphenol | ND | | ug/L | 5.00 | 10.0 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 12:37 | KH |
| 88-74-4 | 2-Nitroaniline | ND | | ug/L | 5.00 | 10.0 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 12:37 | KH |
| 88-75-5 | 2-Nitrophenol | ND | | ug/L | 5.00 | 10.0 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 12:37 | KH |
| 65794-96-9 | 3- & 4-Methylphenols | ND | | ug/L | 5.00 | 10.0 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 12:37 | KH |
| 91-94-1 | 3,3-Dichlorobenzidine | ND | | ug/L | 5.00 | 10.0 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 12:37 | KH |
| 99-09-2 | 3-Nitroaniline | ND | | ug/L | 5.00 | 10.0 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 12:37 | KH |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | ND | | ug/L | 5.00 | 10.0 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 12:37 | KH |
| 101-55-3 | 4-Bromophenyl phenyl ether | ND | | ug/L | 5.00 | 10.0 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 12:37 | KH |
| 59-50-7 | 4-Chloro-3-methylphenol | ND | | ug/L | 5.00 | 10.0 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 12:37 | KH |
| 106-47-8 | 4-Chloroaniline | ND | | ug/L | 5.00 | 10.0 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 12:37 | KH |
| 7005-72-3 | 4-Chlorophenyl phenyl ether | ND | | ug/L | 5.00 | 10.0 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 12:37 | KH |
| 100-01-6 | 4-Nitroaniline | ND | | ug/L | 5.00 | 10.0 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 12:37 | KH |
| 100-02-7 | 4-Nitrophenol | ND | | ug/L | 5.00 | 10.0 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 12:37 | KH |
| 83-32-9 | Acenaphthene | ND | | ug/L | 0.100 | 0.100 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 17:14 | OW |

## Sample Information

**Client Sample ID:** **MW-4** **York Sample ID:** **19F1174-04**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F1174 | 190050 Manhattan Avenue | Water | June 26, 2019 12:00 am | 06/28/2019 |

**Semi-Volatiles, 8270 Target List** **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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 208-96-8 | **Acenaphthylene** | **0.100** | J | ug/L | 0.100 | 0.100 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 17:14 | OW |
| 62-53-3 | Aniline | ND | | ug/L | 5.00 | 10.0 | 1 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 12:37 | KH |
| 120-12-7 | **Anthracene** | **0.300** | | ug/L | 0.100 | 0.100 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 17:14 | OW |
| 56-55-3 | **Benzo(a)anthracene** | **1.72** | | ug/L | 0.100 | 0.100 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 17:14 | OW |
| 50-32-8 | **Benzo(a)pyrene** | **1.44** | | ug/L | 0.100 | 0.100 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 17:14 | OW |
| 205-99-2 | **Benzo(b)fluoranthene** | **1.76** | | ug/L | 0.100 | 0.100 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 17:14 | OW |
| 191-24-2 | **Benzo(g,h,i)perylene** | **0.680** | | ug/L | 0.100 | 0.100 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 17:14 | OW |
| 207-08-9 | **Benzo(k)fluoranthene** | **1.38** | | ug/L | 0.100 | 0.100 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 17:14 | OW |
| 100-51-6 | Benzyl alcohol | ND | | ug/L | 5.00 | 10.0 | 1 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 12:37 | KH |
| 85-68-7 | Benzyl butyl phthalate | ND | | ug/L | 5.00 | 10.0 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 12:37 | KH |
| 111-91-1 | Bis(2-chloroethoxy)methane | ND | | ug/L | 5.00 | 10.0 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 12:37 | KH |
| 111-44-4 | Bis(2-chloroethyl)ether | ND | | ug/L | 5.00 | 10.0 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 12:37 | KH |
| 108-60-1 | Bis(2-chloroisopropyl)ether | ND | | ug/L | 5.00 | 10.0 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 12:37 | KH |
| 117-81-7 | **Bis(2-ethylhexyl)phthalate** | **1.16** | | ug/L | 1.00 | 1.00 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 17:14 | OW |
| 218-01-9 | **Chrysene** | **1.50** | | ug/L | 0.100 | 0.100 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 17:14 | OW |
| 53-70-3 | **Dibenzo(a,h)anthracene** | **0.220** | | ug/L | 0.100 | 0.100 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 17:14 | OW |
| 132-64-9 | Dibenzofuran | ND | | ug/L | 5.00 | 10.0 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 12:37 | KH |
| 84-66-2 | Diethyl phthalate | ND | | ug/L | 5.00 | 10.0 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 12:37 | KH |
| 131-11-3 | Dimethyl phthalate | ND | | ug/L | 5.00 | 10.0 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 12:37 | KH |
| 84-74-2 | Di-n-butyl phthalate | ND | | ug/L | 5.00 | 10.0 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 12:37 | KH |
| 117-84-0 | Di-n-octyl phthalate | ND | | ug/L | 5.00 | 10.0 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 12:37 | KH |
| 206-44-0 | **Fluoranthene** | **3.36** | | ug/L | 0.100 | 0.100 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 17:14 | OW |

## Sample Information

**Client Sample ID:** **MW-4** **York Sample ID:** **19F1174-04**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F1174 | 190050 Manhattan Avenue | Water | June 26, 2019 12:00 am | 06/28/2019 |

**Semi-Volatiles, 8270 Target List** **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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 86-73-7 | Fluorene | ND | | ug/L | 0.100 | 0.100 | 1 | EPA 8270D<br>Certifications: NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 17:14 | OW |
| 118-74-1 | Hexachlorobenzene | ND | | ug/L | 0.0400 | 0.0400 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 17:14 | OW |
| 87-68-3 | Hexachlorobutadiene | ND | | ug/L | 1.00 | 1.00 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 17:14 | OW |
| 77-47-4 | Hexachlorocyclopentadiene | ND | | ug/L | 5.00 | 10.0 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 12:37 | KH |
| 67-72-1 | Hexachloroethane | ND | | ug/L | 1.00 | 1.00 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 17:14 | OW |
| 193-39-5 | **Indeno(1,2,3-cd)pyrene** | **0.600** | | ug/L | 0.100 | 0.100 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 17:14 | OW |
| 78-59-1 | Isophorone | ND | | ug/L | 5.00 | 10.0 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 12:37 | KH |
| 91-20-3 | **Naphthalene** | **0.140** | B | ug/L | 0.100 | 0.100 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 17:14 | OW |
| 98-95-3 | Nitrobenzene | ND | | ug/L | 0.500 | 0.500 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 17:14 | OW |
| 62-75-9 | N-Nitrosodimethylamine | ND | | ug/L | 1.00 | 1.00 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 17:14 | OW |
| 621-64-7 | N-nitroso-di-n-propylamine | ND | | ug/L | 5.00 | 10.0 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 12:37 | KH |
| 86-30-6 | N-Nitrosodiphenylamine | ND | | ug/L | 5.00 | 10.0 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 12:37 | KH |
| 87-86-5 | Pentachlorophenol | ND | | ug/L | 0.500 | 0.500 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 17:14 | OW |
| 85-01-8 | **Phenanthrene** | **1.30** | | ug/L | 0.100 | 0.100 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 17:14 | OW |
| 108-95-2 | Phenol | ND | | ug/L | 5.00 | 10.0 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 12:37 | KH |
| 129-00-0 | **Pyrene** | **3.52** | | ug/L | 0.100 | 0.100 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 17:14 | OW |
| 110-86-1 | Pyridine | ND | | ug/L | 5.00 | 10.0 | 1 | EPA 8270D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 14:45 | 07/02/2019 12:37 | KH |

| | Surrogate Recoveries | Result | Acceptance Range |
|---|---|---|---|
| 367-12-4 | *Surrogate: SURR: 2-Fluorophenol* | *44.4 %* | *19.7-63.1* |
| 4165-62-2 | *Surrogate: SURR: Phenol-d5* | *25.7 %* | *10.1-41.7* |
| 4165-60-0 | *Surrogate: SURR: Nitrobenzene-d5* | *83.7 %* | *50.2-113* |
| 321-60-8 | *Surrogate: SURR: 2-Fluorobiphenyl* | *83.6 %* | *39.9-105* |
| 118-79-6 | *Surrogate: SURR: 2,4,6-Tribromophenol* | *97.6 %* | *39.3-151* |
| 1718-51-0 | *Surrogate: SURR: Terphenyl-d14* | *78.8 %* | *30.7-106* |

## Sample Information

**Client Sample ID:** **MW-4** **York Sample ID:** **19F1174-04**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F1174 | 190050 Manhattan Avenue | Water | June 26, 2019 12:00 am | 06/28/2019 |

**Pesticides, 8081 target list** **Log-in Notes:** **Sample Notes:**

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

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 72-54-8 | 4,4'-DDD | ND | | ug/L | 0.00500 | 1 | EPA 8081B | 07/01/2019 12:03 | 07/02/2019 21:54 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 72-55-9 | 4,4'-DDE | ND | | ug/L | 0.00500 | 1 | EPA 8081B | 07/01/2019 12:03 | 07/02/2019 21:54 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 50-29-3 | 4,4'-DDT | ND | | ug/L | 0.00500 | 1 | EPA 8081B | 07/01/2019 12:03 | 07/02/2019 21:54 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 309-00-2 | Aldrin | ND | | ug/L | 0.00500 | 1 | EPA 8081B | 07/01/2019 12:03 | 07/02/2019 21:54 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 319-84-6 | alpha-BHC | ND | | ug/L | 0.00500 | 1 | EPA 8081B | 07/01/2019 12:03 | 07/02/2019 21:54 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 5103-71-9 | alpha-Chlordane | ND | | ug/L | 0.00500 | 1 | EPA 8081B | 07/01/2019 12:03 | 07/02/2019 21:54 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 319-85-7 | beta-BHC | ND | | ug/L | 0.00500 | 1 | EPA 8081B | 07/01/2019 12:03 | 07/02/2019 21:54 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 57-74-9 | Chlordane, total | ND | | ug/L | 0.0250 | 1 | EPA 8081B | 07/01/2019 12:03 | 07/02/2019 21:54 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 319-86-8 | delta-BHC | ND | | ug/L | 0.00500 | 1 | EPA 8081B | 07/01/2019 12:03 | 07/02/2019 21:54 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 60-57-1 | Dieldrin | ND | | ug/L | 0.00250 | 1 | EPA 8081B | 07/01/2019 12:03 | 07/02/2019 21:54 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 959-98-8 | Endosulfan I | ND | | ug/L | 0.00500 | 1 | EPA 8081B | 07/01/2019 12:03 | 07/02/2019 21:54 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 33213-65-9 | Endosulfan II | ND | | ug/L | 0.00500 | 1 | EPA 8081B | 07/01/2019 12:03 | 07/02/2019 21:54 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 1031-07-8 | Endosulfan sulfate | ND | | ug/L | 0.00500 | 1 | EPA 8081B | 07/01/2019 12:03 | 07/02/2019 21:54 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 72-20-8 | Endrin | ND | | ug/L | 0.00500 | 1 | EPA 8081B | 07/01/2019 12:03 | 07/02/2019 21:54 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 7421-93-4 | Endrin aldehyde | ND | | ug/L | 0.0125 | 1 | EPA 8081B | 07/01/2019 12:03 | 07/02/2019 21:54 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 53494-70-5 | Endrin ketone | ND | | ug/L | 0.0125 | 1 | EPA 8081B | 07/01/2019 12:03 | 07/02/2019 21:54 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 58-89-9 | gamma-BHC (Lindane) | ND | | ug/L | 0.00500 | 1 | EPA 8081B | 07/01/2019 12:03 | 07/02/2019 21:54 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 5566-34-7 | gamma-Chlordane | ND | | ug/L | 0.0125 | 1 | EPA 8081B | 07/01/2019 12:03 | 07/02/2019 21:54 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 76-44-8 | Heptachlor | ND | | ug/L | 0.00500 | 1 | EPA 8081B | 07/01/2019 12:03 | 07/02/2019 21:54 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 1024-57-3 | Heptachlor epoxide | ND | | ug/L | 0.00500 | 1 | EPA 8081B | 07/01/2019 12:03 | 07/02/2019 21:54 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |
| 72-43-5 | Methoxychlor | ND | | ug/L | 0.00500 | 1 | EPA 8081B | 07/01/2019 12:03 | 07/02/2019 21:54 | CM |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |

## Sample Information

**Client Sample ID:** **MW-4** **York Sample ID:** **19F1174-04**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F1174 | 190050 Manhattan Avenue | Water | June 26, 2019 12:00 am | 06/28/2019 |

### Pesticides, 8081 target list

**Log-in Notes:** **Sample Notes:**

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

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 8001-35-2 | Toxaphene | ND | | ug/L | 0.125 | 1 | EPA 8081B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/01/2019 12:03 | 07/02/2019 21:54 | CM |

| | Surrogate Recoveries | Result | Acceptance Range |
|---|---|---|---|
| 2051-24-3 | *Surrogate: Decachlorobiphenyl* | *62.4 %* | *30-150* |
| 877-09-8 | *Surrogate: Tetrachloro-m-xylene* | *64.5 %* | *30-150* |

### Polychlorinated Biphenyls (PCB)

**Log-in Notes:** **Sample Notes:**

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

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 12674-11-2 | Aroclor 1016 | ND | | ug/L | 0.0625 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 07/01/2019 12:03 | 07/03/2019 20:26 | SR |
| 11104-28-2 | Aroclor 1221 | ND | | ug/L | 0.0625 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 07/01/2019 12:03 | 07/03/2019 20:26 | SR |
| 11141-16-5 | Aroclor 1232 | ND | | ug/L | 0.0625 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 07/01/2019 12:03 | 07/03/2019 20:26 | SR |
| 53469-21-9 | Aroclor 1242 | ND | | ug/L | 0.0625 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 07/01/2019 12:03 | 07/03/2019 20:26 | SR |
| 12672-29-6 | Aroclor 1248 | ND | | ug/L | 0.0625 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 07/01/2019 12:03 | 07/03/2019 20:26 | SR |
| 11097-69-1 | Aroclor 1254 | ND | | ug/L | 0.0625 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 07/01/2019 12:03 | 07/03/2019 20:26 | SR |
| 11096-82-5 | Aroclor 1260 | ND | | ug/L | 0.0625 | 1 | EPA 8082A<br>Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP | 07/01/2019 12:03 | 07/03/2019 20:26 | SR |
| 1336-36-3 | * Total PCBs | ND | | ug/L | 0.0625 | 1 | EPA 8082A<br>Certifications: | 07/01/2019 12:03 | 07/03/2019 20:26 | SR |

| | Surrogate Recoveries | Result | Acceptance Range |
|---|---|---|---|
| 877-09-8 | *Surrogate: Tetrachloro-m-xylene* | *94.0 %* | *30-120* |
| 2051-24-3 | *Surrogate: Decachlorobiphenyl* | *105 %* | *30-120* |

### Metals, Target Analyte, ICP

**Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3015A

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 7429-90-5 | **Aluminum** | **0.0654** | | mg/L | 0.0556 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/02/2019 08:54 | 07/02/2019 14:32 | KML |
| 7440-39-3 | **Barium** | **0.0905** | | mg/L | 0.0278 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/02/2019 08:54 | 07/02/2019 14:32 | KML |
| 7440-70-2 | **Calcium** | **143** | | mg/L | 0.0556 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/02/2019 08:54 | 07/02/2019 14:32 | KML |

## Sample Information

**Client Sample ID:** **MW-4** **York Sample ID:** **19F1174-04**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F1174 | 190050 Manhattan Avenue | Water | June 26, 2019 12:00 am | 06/28/2019 |

### Metals, Target Analyte, ICP

**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 |
|---|---|---|---|---|---|---|---|---|---|---|
| 7440-47-3 | Chromium | ND | | mg/L | 0.00556 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/02/2019 08:54 | 07/02/2019 14:32 | KML |
| 7440-48-4 | Cobalt | ND | | mg/L | 0.00444 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/02/2019 08:54 | 07/02/2019 14:32 | KML |
| 7440-50-8 | Copper | ND | | mg/L | 0.0222 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/02/2019 08:54 | 07/02/2019 14:32 | KML |
| 7439-89-6 | Iron | ND | | mg/L | 0.278 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/02/2019 08:54 | 07/02/2019 14:32 | KML |
| 7439-92-1 | Lead | ND | | mg/L | 0.00556 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/02/2019 08:54 | 07/02/2019 14:32 | KML |
| 7439-95-4 | **Magnesium** | **26.6** | | mg/L | 0.0556 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/02/2019 08:54 | 07/02/2019 14:32 | KML |
| 7439-96-5 | **Manganese** | **0.956** | | mg/L | 0.00556 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/02/2019 08:54 | 07/02/2019 14:32 | KML |
| 7440-02-0 | Nickel | ND | | mg/L | 0.0111 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/02/2019 08:54 | 07/02/2019 14:32 | KML |
| 7440-09-7 | **Potassium** | **52.6** | | mg/L | 0.0556 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/02/2019 08:54 | 07/02/2019 14:32 | KML |
| 7440-22-4 | Silver | ND | | mg/L | 0.00556 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/02/2019 08:54 | 07/02/2019 14:32 | KML |
| 7440-23-5 | **Sodium** | **124** | | mg/L | 0.556 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/02/2019 08:54 | 07/02/2019 14:32 | KML |
| 7440-62-2 | Vanadium | ND | | mg/L | 0.0111 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/02/2019 08:54 | 07/02/2019 14:32 | KML |
| 7440-66-6 | Zinc | ND | | mg/L | 0.0278 | 1 | EPA 6010D<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/02/2019 08:54 | 07/02/2019 14:32 | KML |

### Metals, Target Analyte, ICPMS

**Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3015A

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 7440-36-0 | Antimony | ND | | ug/L | 1.11 | 1 | EPA 6020B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/02/2019 08:53 | 07/02/2019 14:49 | BML |
| 7440-38-2 | **Arsenic** | **1.50** | | ug/L | 1.11 | 1 | EPA 6020B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/02/2019 08:53 | 07/02/2019 14:49 | BML |
| 7440-41-7 | Beryllium | ND | | ug/L | 0.333 | 1 | EPA 6020B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/02/2019 08:53 | 07/02/2019 14:49 | BML |
| 7440-43-9 | Cadmium | ND | | ug/L | 0.556 | 1 | EPA 6020B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/02/2019 08:53 | 07/02/2019 14:49 | BML |
| 7782-49-2 | **Selenium** | **20.1** | | ug/L | 1.11 | 1 | EPA 6020B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/02/2019 08:53 | 07/02/2019 14:49 | BML |
| 7440-28-0 | Thallium | ND | | ug/L | 1.11 | 1 | EPA 6020B<br>Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP | 07/02/2019 08:53 | 07/02/2019 14:49 | BML |

## Sample Information

**Client Sample ID:** **MW-4** **York Sample ID:** **19F1174-04**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F1174 | 190050 Manhattan Avenue | Water | June 26, 2019 12:00 am | 06/28/2019 |

### 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 | 07/02/2019 08:49 | 07/02/2019 10:24 | SY |
| | | | | | | | Certifications: | CTDOH,NELAC-NY10854,NJDEP,PADEP | | |

### Chromium, Hexavalent

**Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 18540-29-9 | Chromium, Hexavalent | ND | HT-02 | mg/L | 0.0100 | 1 | EPA 7196A | 06/28/2019 20:06 | 06/28/2019 21:36 | MAC |
| | | | | | | | Certifications: | NELAC-NY10854,CTDOH,NJDEP,PADEP | | |

### Chromium, Trivalent

**Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 16065-83-1 | * Chromium, Trivalent | ND | | mg/L | 0.0100 | 1 | Calculation | 07/05/2019 15:22 | 07/05/2019 15:30 | AD |
| | | | | | | | Certifications: | | | |

## Volatile Analysis Sample Containers

| Lab ID | Client Sample ID | Volatile Sample Container |
|---|---|---|
| 19F1174-01 | MW-1 | 40mL Clear Vial (pre-pres.) HCl; Cool to 4° C |
| 19F1174-02 | MW-2 | 40mL Clear Vial (pre-pres.) HCl; Cool to 4° C |
| 19F1174-03 | MW-3 | 40mL Clear Vial (pre-pres.) HCl; Cool to 4° C |
| 19F1174-04 | MW-4 | 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. |
| QL-04 | The recoveries of LCS compounds meet Laboratory Control Limits, however are outside of NJDEP DKQP limits. The data are qualified as such and the data user should take note. |
| 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. |
| QC-LCS | LCS/LCS Dup recovery was above laboratory control limits. Sample does not contain any target compounds; therefore sample results are acceptable. |
| M-ICV2 | The recovery for this element in the ICV was outside the 90-110% recovery criteria. |
| M-CRL | The RL check for this element recovered outside of control limits. |
| M-BS | The recovery for this element in the batch blank spike recovered slightly outside of control limits |
| J | Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration. |
| HT-02 | NON-COMPLIANT-This sample was received outside the EPA recommended holding time. |
| EXT-EM | The sample exhibited emulsion formation during the extraction process. This may affect surrogate recoveries. |
| CCV-E | The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit). |
| B | Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants. |

## Definitions and Other Explanations

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

High Bias — High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

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York Analytical Laboratories, Inc.
120 Research Drive, Stratford, CT 06615
132-02 89th Ave, Queens, NY 11418
clientservices@yorklab.com
www.yorklab.com

YORK

# 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. 19F1174

Page ____ of ____

| YOUR Information | Report To: | Invoice To: | YOUR Project Number | Turn-Around Time |
|---|---|---|---|---|
| Company: Tauchstone | Company: Tauchstone | Company: Tauchstone | 190050 | RUSH - Next Day |
| Address: | Address: | Address: | | RUSH - Two Day |
| | | | YOUR Project Name: Manhattan Avenue | RUSH - Three Day |
| Phone: | Phone: | Phone: | | RUSH - Four Day |
| Contact: | Contact: | Contact: | | Standard (5-7 Day) X |
| 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.*

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

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

**Samples From**: New York; New Jersey; Connecticut; Pennsylvania; Other

**Report / EDD Type** (circle selections): Summary Report; QA Report; NY ASP A Package; NY ASP B Package; CT RCP; CT RCP DQA/DUE; NJDEP Reduced Deliverables; NJDKQP; Standard Excel EDD; EQuIS (Standard); NYSDEC EQuIS; NJDEP SRP HazSite; Other:

**YORK Reg. Comp.**: Compared to the following Regulation(s): (please fill in)

| Sample Identification | Sample Matrix | Date/Time Sampled | Analysis Requested | Container Description |
|---|---|---|---|---|
| MW-1 | GW | 6/26/19 | Full E Parameters | 1x1L 2amber |
| MW-2 | GW | " | " | |
| MW-3 | GW | " | " | |
| MW-4 | GW | " | " | |

**Comments:**

**Preservation:** (check all that apply) HCl ___ MeOH ___ $HNO_3$ ___ $H_2SO_4$ ___ NaOH ___ ZnAc ___ Ascorbic Acid ___ Other: ___

**Special Instruction**: Field Filtered ___ Lab to Filter ___

| Samples Relinquished by / Company | Date/Time | Samples Received by / Company | Date/Time | Samples Relinquished by / Company | Date/Time |
|---|---|---|---|---|---|
| [signature] | 6/28/19 1050AM | [signature] | 6/28/19 1050AM | [signature] | 6/28/19 1642 |
| Samples Received by / Company | Date/Time | Samples Relinquished by / Company | Date/Time | Samples Received by / Company | Date/Time |
| | | | | | |
| Samples Relinquished by / Company | Date/Time | Samples Received by / Company | Date/Time | Samples Received in LAB by | Date/Time |
| | | | | [signature] | 6-28-19 1642 |

Temp. Received at Lab: 1.6 Degrees C

# Technical Report

prepared for:

**Touchstone Environmental Geology, PC**
8 Dolphin Drive
Centereach NY, 11720
**Attention: Rachel Ataman**

Report Date: 07/16/2019
**Client Project ID: 190050**
York Project (SDG) No.: 19G0333

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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 July 10, 2019 with a temperature of C. The project was identified as your project: **190050**.

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.

| York Sample ID | Client Sample ID | Matrix | Date Collected | Date Received |
|---|---|---|---|---|
| 19G0333-01 | IA | Indoor Ambient Air | 07/02/2019 | 07/10/2019 |
| 19G0333-02 | OA | Outdoor Ambient Ai | 07/02/2019 | 07/10/2019 |
| 19G0333-03 | SV5 | Soil Vapor | 07/02/2019 | 07/10/2019 |
| 19G0333-04 | SV6 | Soil Vapor | 07/02/2019 | 07/10/2019 |
| 19G0333-05 | SV7 | Soil Vapor | 07/02/2019 | 07/10/2019 |

## General Notes for York Project (SDG) No.: 19G0333

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:** **Date:** 07/16/2019

Benjamin Gulizia
Laboratory Director

## Sample Information

**Client Sample ID:** IA

**York Sample ID:** 19G0333-01

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19G0333 | 190050 | Indoor Ambient Air | July 2, 2019 12:00 am | 07/10/2019 |

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 630-20-6 | * 1,1,1,2-Tetrachloroethane | ND | | ug/m³ | 0.60 | 0.868 | EPA TO-15<br>Certifications: | 07/11/2019 07:00 | 07/11/2019 21:04 | AS |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | ug/m³ | 0.47 | 0.868 | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 21:04 | AS |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | ug/m³ | 0.60 | 0.868 | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 21:04 | AS |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | | ug/m³ | 0.67 | 0.868 | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 21:04 | AS |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | ug/m³ | 0.47 | 0.868 | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 21:04 | AS |
| 75-34-3 | 1,1-Dichloroethane | ND | | ug/m³ | 0.35 | 0.868 | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 21:04 | AS |
| 75-35-4 | 1,1-Dichloroethylene | ND | | ug/m³ | 0.086 | 0.868 | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 21:04 | AS |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | ug/m³ | 0.64 | 0.868 | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 21:04 | AS |
| 95-63-6 | **1,2,4-Trimethylbenzene** | **16** | | ug/m³ | 0.43 | 0.868 | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 21:04 | AS |
| 106-93-4 | 1,2-Dibromoethane | ND | | ug/m³ | 0.67 | 0.868 | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 21:04 | AS |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | ug/m³ | 0.52 | 0.868 | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 21:04 | AS |
| 107-06-2 | 1,2-Dichloroethane | ND | | ug/m³ | 0.35 | 0.868 | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 21:04 | AS |
| 78-87-5 | 1,2-Dichloropropane | ND | | ug/m³ | 0.40 | 0.868 | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 21:04 | AS |
| 76-14-2 | 1,2-Dichlorotetrafluoroethane | ND | | ug/m³ | 0.61 | 0.868 | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 21:04 | AS |
| 108-67-8 | **1,3,5-Trimethylbenzene** | **4.9** | | ug/m³ | 0.43 | 0.868 | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 21:04 | AS |
| 106-99-0 | 1,3-Butadiene | ND | | ug/m³ | 0.58 | 0.868 | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 21:04 | AS |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | ug/m³ | 0.52 | 0.868 | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 21:04 | AS |
| 142-28-9 | * 1,3-Dichloropropane | ND | | ug/m³ | 0.40 | 0.868 | EPA TO-15<br>Certifications: | 07/11/2019 07:00 | 07/11/2019 21:04 | AS |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | ug/m³ | 0.52 | 0.868 | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 21:04 | AS |
| 123-91-1 | 1,4-Dioxane | ND | | ug/m³ | 0.63 | 0.868 | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 21:04 | AS |
| 78-93-3 | **2-Butanone** | **4.7** | | ug/m³ | 0.26 | 0.868 | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 21:04 | AS |

## Sample Information

**Client Sample ID:** IA

**York Sample ID:** 19G0333-01

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19G0333 | 190050 | Indoor Ambient Air | July 2, 2019 12:00 am | 07/10/2019 |

### Volatile Organics, EPA TO15 Full List

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 591-78-6 | * 2-Hexanone | ND | | ug/m³ | 0.71 | 0.868 | EPA TO-15<br>Certifications: | 07/11/2019 07:00 | 07/11/2019 21:04 | AS |
| 107-05-1 | 3-Chloropropene | ND | | ug/m³ | 1.4 | 0.868 | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 21:04 | AS |
| 108-10-1 | **4-Methyl-2-pentanone** | **1.4** | | ug/m³ | 0.36 | 0.868 | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 21:04 | AS |
| 67-64-1 | **Acetone** | **72** | | ug/m³ | 0.41 | 0.868 | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 21:04 | AS |
| 107-13-1 | Acrylonitrile | ND | | ug/m³ | 0.19 | 0.868 | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 21:04 | AS |
| 71-43-2 | **Benzene** | **1.1** | | ug/m³ | 0.28 | 0.868 | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 21:04 | AS |
| 100-44-7 | Benzyl chloride | ND | | ug/m³ | 0.45 | 0.868 | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 21:04 | AS |
| 75-27-4 | Bromodichloromethane | ND | | ug/m³ | 0.58 | 0.868 | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 21:04 | AS |
| 75-25-2 | Bromoform | ND | | ug/m³ | 0.90 | 0.868 | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 21:04 | AS |
| 74-83-9 | Bromomethane | ND | | ug/m³ | 0.34 | 0.868 | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 21:04 | AS |
| 75-15-0 | **Carbon disulfide** | **0.54** | | ug/m³ | 0.27 | 0.868 | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 21:04 | AS |
| 56-23-5 | **Carbon tetrachloride** | **0.44** | | ug/m³ | 0.14 | 0.868 | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 21:04 | AS |
| 108-90-7 | Chlorobenzene | ND | | ug/m³ | 0.40 | 0.868 | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 21:04 | AS |
| 75-00-3 | Chloroethane | ND | | ug/m³ | 0.23 | 0.868 | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 21:04 | AS |
| 67-66-3 | **Chloroform** | **0.68** | | ug/m³ | 0.42 | 0.868 | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 21:04 | AS |
| 74-87-3 | **Chloromethane** | **1.3** | | ug/m³ | 0.18 | 0.868 | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 21:04 | AS |
| 156-59-2 | **cis-1,2-Dichloroethylene** | **0.79** | | ug/m³ | 0.086 | 0.868 | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 21:04 | AS |
| 10061-01-5 | cis-1,3-Dichloropropylene | ND | | ug/m³ | 0.39 | 0.868 | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 21:04 | AS |
| 110-82-7 | **Cyclohexane** | **1.4** | | ug/m³ | 0.30 | 0.868 | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 21:04 | AS |
| 124-48-1 | Dibromochloromethane | ND | | ug/m³ | 0.74 | 0.868 | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 21:04 | AS |
| 75-71-8 | **Dichlorodifluoromethane** | **16** | | ug/m³ | 0.43 | 0.868 | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 21:04 | AS |
| 141-78-6 | *** Ethyl acetate** | **8.9** | | ug/m³ | 0.63 | 0.868 | EPA TO-15<br>Certifications: | 07/11/2019 07:00 | 07/11/2019 21:04 | AS |

## Sample Information

**Client Sample ID:** IA

**York Sample ID:** 19G0333-01

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19G0333 | 190050 | Indoor Ambient Air | July 2, 2019 12:00 am | 07/10/2019 |

### Volatile Organics, EPA TO15 Full List

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 100-41-4 | **Ethyl Benzene** | **14** | | ug/m³ | 0.38 | 0.868 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 21:04 | AS |
| 87-68-3 | Hexachlorobutadiene | ND | | ug/m³ | 0.93 | 0.868 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 21:04 | AS |
| 67-63-0 | **Isopropanol** | **22** | | ug/m³ | 0.43 | 0.868 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 21:04 | AS |
| 80-62-6 | Methyl Methacrylate | ND | | ug/m³ | 0.36 | 0.868 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 21:04 | AS |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | | ug/m³ | 0.31 | 0.868 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 21:04 | AS |
| 75-09-2 | **Methylene chloride** | **0.84** | | ug/m³ | 0.60 | 0.868 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 21:04 | AS |
| 142-82-5 | **n-Heptane** | **11** | | ug/m³ | 0.36 | 0.868 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 21:04 | AS |
| 110-54-3 | **n-Hexane** | **2.5** | | ug/m³ | 0.31 | 0.868 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 21:04 | AS |
| 95-47-6 | **o-Xylene** | **18** | | ug/m³ | 0.38 | 0.868 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 21:04 | AS |
| 179601-23-1 | **p- & m- Xylenes** | **53** | | ug/m³ | 0.75 | 0.868 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 21:04 | AS |
| 622-96-8 | *** p-Ethyltoluene** | **13** | | ug/m³ | 0.43 | 0.868 | EPA TO-15 Certifications: | 07/11/2019 07:00 | 07/11/2019 21:04 | AS |
| 115-07-1 | * Propylene | ND | | ug/m³ | 0.15 | 0.868 | EPA TO-15 Certifications: | 07/11/2019 07:00 | 07/11/2019 21:04 | AS |
| 100-42-5 | **Styrene** | **0.81** | | ug/m³ | 0.37 | 0.868 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 21:04 | AS |
| 127-18-4 | **Tetrachloroethylene** | **2.6** | | ug/m³ | 0.15 | 0.868 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 21:04 | AS |
| 109-99-9 | *** Tetrahydrofuran** | **2.4** | | ug/m³ | 0.51 | 0.868 | EPA TO-15 Certifications: | 07/11/2019 07:00 | 07/11/2019 21:04 | AS |
| 108-88-3 | **Toluene** | **100** | | ug/m³ | 0.33 | 0.868 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 21:04 | AS |
| 156-60-5 | trans-1,2-Dichloroethylene | ND | | ug/m³ | 0.34 | 0.868 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 21:04 | AS |
| 10061-02-6 | trans-1,3-Dichloropropylene | ND | | ug/m³ | 0.39 | 0.868 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 21:04 | AS |
| 79-01-6 | **Trichloroethylene** | **0.19** | | ug/m³ | 0.12 | 0.868 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 21:04 | AS |
| 75-69-4 | **Trichlorofluoromethane (Freon 11)** | **1.4** | | ug/m³ | 0.49 | 0.868 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 21:04 | AS |
| 108-05-4 | Vinyl acetate | ND | | ug/m³ | 0.31 | 0.868 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 21:04 | AS |
| 593-60-2 | Vinyl bromide | ND | | ug/m³ | 0.38 | 0.868 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 21:04 | AS |

## Sample Information

**Client Sample ID:** **IA** **York Sample ID:** **19G0333-01**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19G0333 | 190050 | Indoor Ambient Air | July 2, 2019 12:00 am | 07/10/2019 |

**Volatile Organics, EPA TO15 Full List** **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 75-01-4 | Vinyl Chloride | ND | | ug/m³ | 0.055 | 0.868 | EPA TO-15 | 07/11/2019 07:00 | 07/11/2019 21:04 | AS |
| | | | | | | | Certifications: NELAC-NY12058,NJDEP-Queens | | | |

| | Surrogate Recoveries | Result | Acceptance Range |
|---|---|---|---|
| 460-00-4 | *Surrogate: SURR: p-Bromofluorobenzene* | *109 %* | *70-130* |

## Sample Information

**Client Sample ID:** **OA** **York Sample ID:** **19G0333-02**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19G0333 | 190050 | Outdoor Ambient Air | July 2, 2019 12:00 am | 07/10/2019 |

**Volatile Organics, EPA TO15 Full List** **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 630-20-6 | * 1,1,1,2-Tetrachloroethane | ND | | ug/m³ | 0.69 | 1.003 | EPA TO-15 | 07/11/2019 07:00 | 07/11/2019 22:03 | AS |
| | | | | | | | Certifications: | | | |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | ug/m³ | 0.55 | 1.003 | EPA TO-15 | 07/11/2019 07:00 | 07/11/2019 22:03 | AS |
| | | | | | | | Certifications: NELAC-NY12058,NJDEP-Queens | | | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | ug/m³ | 0.69 | 1.003 | EPA TO-15 | 07/11/2019 07:00 | 07/11/2019 22:03 | AS |
| | | | | | | | Certifications: NELAC-NY12058,NJDEP-Queens | | | |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | | ug/m³ | 0.77 | 1.003 | EPA TO-15 | 07/11/2019 07:00 | 07/11/2019 22:03 | AS |
| | | | | | | | Certifications: NELAC-NY12058,NJDEP-Queens | | | |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | ug/m³ | 0.55 | 1.003 | EPA TO-15 | 07/11/2019 07:00 | 07/11/2019 22:03 | AS |
| | | | | | | | Certifications: NELAC-NY12058,NJDEP-Queens | | | |
| 75-34-3 | 1,1-Dichloroethane | ND | | ug/m³ | 0.41 | 1.003 | EPA TO-15 | 07/11/2019 07:00 | 07/11/2019 22:03 | AS |
| | | | | | | | Certifications: NELAC-NY12058,NJDEP-Queens | | | |
| 75-35-4 | 1,1-Dichloroethylene | ND | | ug/m³ | 0.099 | 1.003 | EPA TO-15 | 07/11/2019 07:00 | 07/11/2019 22:03 | AS |
| | | | | | | | Certifications: NELAC-NY12058,NJDEP-Queens | | | |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | ug/m³ | 0.74 | 1.003 | EPA TO-15 | 07/11/2019 07:00 | 07/11/2019 22:03 | AS |
| | | | | | | | Certifications: NELAC-NY12058,NJDEP-Queens | | | |
| 95-63-6 | **1,2,4-Trimethylbenzene** | **0.79** | | ug/m³ | 0.49 | 1.003 | EPA TO-15 | 07/11/2019 07:00 | 07/11/2019 22:03 | AS |
| | | | | | | | Certifications: NELAC-NY12058,NJDEP-Queens | | | |
| 106-93-4 | 1,2-Dibromoethane | ND | | ug/m³ | 0.77 | 1.003 | EPA TO-15 | 07/11/2019 07:00 | 07/11/2019 22:03 | AS |
| | | | | | | | Certifications: NELAC-NY12058,NJDEP-Queens | | | |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | ug/m³ | 0.60 | 1.003 | EPA TO-15 | 07/11/2019 07:00 | 07/11/2019 22:03 | AS |
| | | | | | | | Certifications: NELAC-NY12058,NJDEP-Queens | | | |
| 107-06-2 | 1,2-Dichloroethane | ND | | ug/m³ | 0.41 | 1.003 | EPA TO-15 | 07/11/2019 07:00 | 07/11/2019 22:03 | AS |
| | | | | | | | Certifications: NELAC-NY12058,NJDEP-Queens | | | |

## Sample Information

**Client Sample ID:** OA

**York Sample ID:** 19G0333-02

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19G0333 | 190050 | Outdoor Ambient Air | July 2, 2019 12:00 am | 07/10/2019 |

### Volatile Organics, EPA TO15 Full List

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 78-87-5 | 1,2-Dichloropropane | ND | | ug/m³ | 0.46 | 1.003 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 22:03 | AS |
| 76-14-2 | 1,2-Dichlorotetrafluoroethane | ND | | ug/m³ | 0.70 | 1.003 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 22:03 | AS |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | | ug/m³ | 0.49 | 1.003 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 22:03 | AS |
| 106-99-0 | 1,3-Butadiene | ND | | ug/m³ | 0.67 | 1.003 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 22:03 | AS |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | ug/m³ | 0.60 | 1.003 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 22:03 | AS |
| 142-28-9 | * 1,3-Dichloropropane | ND | | ug/m³ | 0.46 | 1.003 | EPA TO-15 Certifications: | 07/11/2019 07:00 | 07/11/2019 22:03 | AS |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | ug/m³ | 0.60 | 1.003 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 22:03 | AS |
| 123-91-1 | 1,4-Dioxane | ND | | ug/m³ | 0.72 | 1.003 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 22:03 | AS |
| 78-93-3 | **2-Butanone** | **1.4** | | ug/m³ | 0.30 | 1.003 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 22:03 | AS |
| 591-78-6 | * 2-Hexanone | ND | | ug/m³ | 0.82 | 1.003 | EPA TO-15 Certifications: | 07/11/2019 07:00 | 07/11/2019 22:03 | AS |
| 107-05-1 | 3-Chloropropene | ND | | ug/m³ | 1.6 | 1.003 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 22:03 | AS |
| 108-10-1 | 4-Methyl-2-pentanone | ND | | ug/m³ | 0.41 | 1.003 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 22:03 | AS |
| 67-64-1 | **Acetone** | **11** | | ug/m³ | 0.48 | 1.003 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 22:03 | AS |
| 107-13-1 | Acrylonitrile | ND | | ug/m³ | 0.22 | 1.003 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 22:03 | AS |
| 71-43-2 | **Benzene** | **0.74** | | ug/m³ | 0.32 | 1.003 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 22:03 | AS |
| 100-44-7 | Benzyl chloride | ND | | ug/m³ | 0.52 | 1.003 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 22:03 | AS |
| 75-27-4 | Bromodichloromethane | ND | | ug/m³ | 0.67 | 1.003 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 22:03 | AS |
| 75-25-2 | Bromoform | ND | | ug/m³ | 1.0 | 1.003 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 22:03 | AS |
| 74-83-9 | Bromomethane | ND | | ug/m³ | 0.39 | 1.003 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 22:03 | AS |
| 75-15-0 | Carbon disulfide | ND | | ug/m³ | 0.31 | 1.003 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 22:03 | AS |
| 56-23-5 | **Carbon tetrachloride** | **0.44** | | ug/m³ | 0.16 | 1.003 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 22:03 | AS |
| 108-90-7 | Chlorobenzene | ND | | ug/m³ | 0.46 | 1.003 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 22:03 | AS |

## Sample Information

**Client Sample ID:** **OA** **York Sample ID:** **19G0333-02**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19G0333 | 190050 | Outdoor Ambient Air | July 2, 2019 12:00 am | 07/10/2019 |

**Volatile Organics, EPA TO15 Full List** **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 75-00-3 | Chloroethane | ND | | ug/m³ | 0.26 | 1.003 | EPA TO-15 | 07/11/2019 07:00 | 07/11/2019 22:03 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 67-66-3 | Chloroform | ND | | ug/m³ | 0.49 | 1.003 | EPA TO-15 | 07/11/2019 07:00 | 07/11/2019 22:03 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 74-87-3 | **Chloromethane** | **1.2** | | ug/m³ | 0.21 | 1.003 | EPA TO-15 | 07/11/2019 07:00 | 07/11/2019 22:03 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 156-59-2 | cis-1,2-Dichloroethylene | ND | | ug/m³ | 0.099 | 1.003 | EPA TO-15 | 07/11/2019 07:00 | 07/11/2019 22:03 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 10061-01-5 | cis-1,3-Dichloropropylene | ND | | ug/m³ | 0.46 | 1.003 | EPA TO-15 | 07/11/2019 07:00 | 07/11/2019 22:03 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 110-82-7 | Cyclohexane | ND | | ug/m³ | 0.35 | 1.003 | EPA TO-15 | 07/11/2019 07:00 | 07/11/2019 22:03 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 124-48-1 | Dibromochloromethane | ND | | ug/m³ | 0.85 | 1.003 | EPA TO-15 | 07/11/2019 07:00 | 07/11/2019 22:03 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 75-71-8 | **Dichlorodifluoromethane** | **1.4** | | ug/m³ | 0.50 | 1.003 | EPA TO-15 | 07/11/2019 07:00 | 07/11/2019 22:03 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 141-78-6 | * Ethyl acetate | ND | | ug/m³ | 0.72 | 1.003 | EPA TO-15 | 07/11/2019 07:00 | 07/11/2019 22:03 | AS |
| | | | | | | | Certifications: | | | |
| 100-41-4 | **Ethyl Benzene** | **0.57** | | ug/m³ | 0.44 | 1.003 | EPA TO-15 | 07/11/2019 07:00 | 07/11/2019 22:03 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 87-68-3 | Hexachlorobutadiene | ND | | ug/m³ | 1.1 | 1.003 | EPA TO-15 | 07/11/2019 07:00 | 07/11/2019 22:03 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 67-63-0 | **Isopropanol** | **1.8** | | ug/m³ | 0.49 | 1.003 | EPA TO-15 | 07/11/2019 07:00 | 07/11/2019 22:03 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 80-62-6 | **Methyl Methacrylate** | **1.1** | | ug/m³ | 0.41 | 1.003 | EPA TO-15 | 07/11/2019 07:00 | 07/11/2019 22:03 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | | ug/m³ | 0.36 | 1.003 | EPA TO-15 | 07/11/2019 07:00 | 07/11/2019 22:03 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 75-09-2 | **Methylene chloride** | **7.5** | | ug/m³ | 0.70 | 1.003 | EPA TO-15 | 07/11/2019 07:00 | 07/11/2019 22:03 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 142-82-5 | **n-Heptane** | **0.70** | | ug/m³ | 0.41 | 1.003 | EPA TO-15 | 07/11/2019 07:00 | 07/11/2019 22:03 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 110-54-3 | **n-Hexane** | **0.71** | | ug/m³ | 0.35 | 1.003 | EPA TO-15 | 07/11/2019 07:00 | 07/11/2019 22:03 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 95-47-6 | **o-Xylene** | **0.65** | | ug/m³ | 0.44 | 1.003 | EPA TO-15 | 07/11/2019 07:00 | 07/11/2019 22:03 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 179601-23-1 | **p- & m- Xylenes** | **1.7** | | ug/m³ | 0.87 | 1.003 | EPA TO-15 | 07/11/2019 07:00 | 07/11/2019 22:03 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 622-96-8 | *** p-Ethyltoluene** | **0.69** | | ug/m³ | 0.49 | 1.003 | EPA TO-15 | 07/11/2019 07:00 | 07/11/2019 22:03 | AS |
| | | | | | | | Certifications: | | | |
| 115-07-1 | * Propylene | ND | | ug/m³ | 0.17 | 1.003 | EPA TO-15 | 07/11/2019 07:00 | 07/11/2019 22:03 | AS |
| | | | | | | | Certifications: | | | |
| 100-42-5 | Styrene | ND | | ug/m³ | 0.43 | 1.003 | EPA TO-15 | 07/11/2019 07:00 | 07/11/2019 22:03 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |

## Sample Information

**Client Sample ID:** OA

**York Sample ID:** 19G0333-02

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19G0333 | 190050 | Outdoor Ambient Air | July 2, 2019 12:00 am | 07/10/2019 |

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 127-18-4 | Tetrachloroethylene | ND | | ug/m³ | 0.17 | 1.003 | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 22:03 | AS |
| 109-99-9 | * Tetrahydrofuran | ND | | ug/m³ | 0.59 | 1.003 | EPA TO-15<br>Certifications: | 07/11/2019 07:00 | 07/11/2019 22:03 | AS |
| 108-88-3 | **Toluene** | **3.1** | | ug/m³ | 0.38 | 1.003 | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 22:03 | AS |
| 156-60-5 | trans-1,2-Dichloroethylene | ND | | ug/m³ | 0.40 | 1.003 | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 22:03 | AS |
| 10061-02-6 | trans-1,3-Dichloropropylene | ND | | ug/m³ | 0.46 | 1.003 | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 22:03 | AS |
| 79-01-6 | Trichloroethylene | ND | | ug/m³ | 0.13 | 1.003 | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 22:03 | AS |
| 75-69-4 | **Trichlorofluoromethane (Freon 11)** | **1.4** | | ug/m³ | 0.56 | 1.003 | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 22:03 | AS |
| 108-05-4 | Vinyl acetate | ND | | ug/m³ | 0.35 | 1.003 | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 22:03 | AS |
| 593-60-2 | Vinyl bromide | ND | | ug/m³ | 0.44 | 1.003 | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 22:03 | AS |
| 75-01-4 | Vinyl Chloride | ND | | ug/m³ | 0.064 | 1.003 | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 22:03 | AS |

| | Surrogate Recoveries | Result | Acceptance Range |
|---|---|---|---|
| 460-00-4 | *Surrogate: SURR: p-Bromofluorobenzene* | *105 %* | *70-130* |

## Sample Information

**Client Sample ID:** SV5

**York Sample ID:** 19G0333-03

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19G0333 | 190050 | Soil Vapor | July 2, 2019 12:00 am | 07/10/2019 |

**Volatile Organics, EPA TO15 Full List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 630-20-6 | * 1,1,1,2-Tetrachloroethane | ND | | ug/m³ | 2.5 | 3.574 | EPA TO-15<br>Certifications: | 07/12/2019 07:00 | 07/12/2019 17:54 | AS |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | ug/m³ | 2.0 | 3.574 | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 17:54 | AS |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | ug/m³ | 2.5 | 3.574 | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 17:54 | AS |

## Sample Information

**Client Sample ID:** **SV5** **York Sample ID:** **19G0333-03**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19G0333 | 190050 | Soil Vapor | July 2, 2019 12:00 am | 07/10/2019 |

**Volatile Organics, EPA TO15 Full List** **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | | ug/m³ | 2.7 | 3.574 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 17:54 | AS |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | ug/m³ | 2.0 | 3.574 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 17:54 | AS |
| 75-34-3 | 1,1-Dichloroethane | ND | | ug/m³ | 1.4 | 3.574 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 17:54 | AS |
| 75-35-4 | 1,1-Dichloroethylene | ND | | ug/m³ | 0.35 | 3.574 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 17:54 | AS |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | ug/m³ | 2.7 | 3.574 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 17:54 | AS |
| 95-63-6 | **1,2,4-Trimethylbenzene** | **21** | | ug/m³ | 1.8 | 3.574 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 17:54 | AS |
| 106-93-4 | 1,2-Dibromoethane | ND | | ug/m³ | 2.7 | 3.574 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 17:54 | AS |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | ug/m³ | 2.1 | 3.574 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 17:54 | AS |
| 107-06-2 | 1,2-Dichloroethane | ND | | ug/m³ | 1.4 | 3.574 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 17:54 | AS |
| 78-87-5 | 1,2-Dichloropropane | ND | | ug/m³ | 1.7 | 3.574 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 17:54 | AS |
| 76-14-2 | 1,2-Dichlorotetrafluoroethane | ND | | ug/m³ | 2.5 | 3.574 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 17:54 | AS |
| 108-67-8 | **1,3,5-Trimethylbenzene** | **6.9** | | ug/m³ | 1.8 | 3.574 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 17:54 | AS |
| 106-99-0 | 1,3-Butadiene | ND | | ug/m³ | 2.4 | 3.574 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 17:54 | AS |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | ug/m³ | 2.1 | 3.574 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 17:54 | AS |
| 142-28-9 | * 1,3-Dichloropropane | ND | | ug/m³ | 1.7 | 3.574 | EPA TO-15 Certifications: | 07/12/2019 07:00 | 07/12/2019 17:54 | AS |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | ug/m³ | 2.1 | 3.574 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 17:54 | AS |
| 123-91-1 | 1,4-Dioxane | ND | | ug/m³ | 2.6 | 3.574 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 17:54 | AS |
| 78-93-3 | **2-Butanone** | **2.8** | | ug/m³ | 1.1 | 3.574 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 17:54 | AS |
| 591-78-6 | * 2-Hexanone | ND | | ug/m³ | 2.9 | 3.574 | EPA TO-15 Certifications: | 07/12/2019 07:00 | 07/12/2019 17:54 | AS |
| 107-05-1 | 3-Chloropropene | ND | | ug/m³ | 5.6 | 3.574 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 17:54 | AS |
| 108-10-1 | 4-Methyl-2-pentanone | ND | | ug/m³ | 1.5 | 3.574 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 17:54 | AS |
| 67-64-1 | **Acetone** | **21** | | ug/m³ | 1.7 | 3.574 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 17:54 | AS |

## Sample Information

**Client Sample ID:** **SV5** **York Sample ID:** **19G0333-03**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19G0333 | 190050 | Soil Vapor | July 2, 2019 12:00 am | 07/10/2019 |

**Volatile Organics, EPA TO15 Full List** **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 107-13-1 | Acrylonitrile | ND | | ug/m³ | 0.78 | 3.574 | EPA TO-15 | 07/12/2019 07:00 | 07/12/2019 17:54 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 71-43-2 | Benzene | ND | | ug/m³ | 1.1 | 3.574 | EPA TO-15 | 07/12/2019 07:00 | 07/12/2019 17:54 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 100-44-7 | Benzyl chloride | ND | | ug/m³ | 1.9 | 3.574 | EPA TO-15 | 07/12/2019 07:00 | 07/12/2019 17:54 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 75-27-4 | Bromodichloromethane | ND | | ug/m³ | 2.4 | 3.574 | EPA TO-15 | 07/12/2019 07:00 | 07/12/2019 17:54 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 75-25-2 | Bromoform | ND | | ug/m³ | 3.7 | 3.574 | EPA TO-15 | 07/12/2019 07:00 | 07/12/2019 17:54 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 74-83-9 | Bromomethane | ND | | ug/m³ | 1.4 | 3.574 | EPA TO-15 | 07/12/2019 07:00 | 07/12/2019 17:54 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 75-15-0 | **Carbon disulfide** | **1.3** | | ug/m³ | 1.1 | 3.574 | EPA TO-15 | 07/12/2019 07:00 | 07/12/2019 17:54 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 56-23-5 | Carbon tetrachloride | ND | | ug/m³ | 0.56 | 3.574 | EPA TO-15 | 07/12/2019 07:00 | 07/12/2019 17:54 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 108-90-7 | Chlorobenzene | ND | | ug/m³ | 1.6 | 3.574 | EPA TO-15 | 07/12/2019 07:00 | 07/12/2019 17:54 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 75-00-3 | Chloroethane | ND | | ug/m³ | 0.94 | 3.574 | EPA TO-15 | 07/12/2019 07:00 | 07/12/2019 17:54 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 67-66-3 | **Chloroform** | **3.8** | | ug/m³ | 1.7 | 3.574 | EPA TO-15 | 07/12/2019 07:00 | 07/12/2019 17:54 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 74-87-3 | **Chloromethane** | **1.6** | | ug/m³ | 0.74 | 3.574 | EPA TO-15 | 07/12/2019 07:00 | 07/12/2019 17:54 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 156-59-2 | **cis-1,2-Dichloroethylene** | **10** | | ug/m³ | 0.35 | 3.574 | EPA TO-15 | 07/12/2019 07:00 | 07/12/2019 17:54 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 10061-01-5 | cis-1,3-Dichloropropylene | ND | | ug/m³ | 1.6 | 3.574 | EPA TO-15 | 07/12/2019 07:00 | 07/12/2019 17:54 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 110-82-7 | **Cyclohexane** | **1.7** | | ug/m³ | 1.2 | 3.574 | EPA TO-15 | 07/12/2019 07:00 | 07/12/2019 17:54 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 124-48-1 | Dibromochloromethane | ND | | ug/m³ | 3.0 | 3.574 | EPA TO-15 | 07/12/2019 07:00 | 07/12/2019 17:54 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 75-71-8 | **Dichlorodifluoromethane** | **260** | | ug/m³ | 1.8 | 3.574 | EPA TO-15 | 07/12/2019 07:00 | 07/12/2019 17:54 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 141-78-6 | * Ethyl acetate | ND | | ug/m³ | 2.6 | 3.574 | EPA TO-15 | 07/12/2019 07:00 | 07/12/2019 17:54 | AS |
| | | | | | | | Certifications: | | | |
| 100-41-4 | **Ethyl Benzene** | **4.0** | | ug/m³ | 1.6 | 3.574 | EPA TO-15 | 07/12/2019 07:00 | 07/12/2019 17:54 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 87-68-3 | Hexachlorobutadiene | ND | | ug/m³ | 3.8 | 3.574 | EPA TO-15 | 07/12/2019 07:00 | 07/12/2019 17:54 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 67-63-0 | **Isopropanol** | **3.1** | | ug/m³ | 1.8 | 3.574 | EPA TO-15 | 07/12/2019 07:00 | 07/12/2019 17:54 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 80-62-6 | Methyl Methacrylate | ND | | ug/m³ | 1.5 | 3.574 | EPA TO-15 | 07/12/2019 07:00 | 07/12/2019 17:54 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |

## Sample Information

**Client Sample ID:** **SV5** **York Sample ID:** **19G0333-03**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19G0333 | 190050 | Soil Vapor | July 2, 2019 12:00 am | 07/10/2019 |

**Volatile Organics, EPA TO15 Full List** **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | | ug/m³ | 1.3 | 3.574 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 17:54 | AS |
| 75-09-2 | **Methylene chloride** | **4.1** | | ug/m³ | 2.5 | 3.574 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 17:54 | AS |
| 142-82-5 | **n-Heptane** | **3.8** | | ug/m³ | 1.5 | 3.574 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 17:54 | AS |
| 110-54-3 | **n-Hexane** | **1.6** | | ug/m³ | 1.3 | 3.574 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 17:54 | AS |
| 95-47-6 | **o-Xylene** | **5.6** | | ug/m³ | 1.6 | 3.574 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 17:54 | AS |
| 179601-23-1 | **p- & m- Xylenes** | **15** | | ug/m³ | 3.1 | 3.574 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 17:54 | AS |
| 622-96-8 | *** p-Ethyltoluene** | **16** | | ug/m³ | 1.8 | 3.574 | EPA TO-15 Certifications: | 07/12/2019 07:00 | 07/12/2019 17:54 | AS |
| 115-07-1 | * Propylene | ND | | ug/m³ | 0.62 | 3.574 | EPA TO-15 Certifications: | 07/12/2019 07:00 | 07/12/2019 17:54 | AS |
| 100-42-5 | Styrene | ND | | ug/m³ | 1.5 | 3.574 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 17:54 | AS |
| 127-18-4 | Tetrachloroethylene | ND | | ug/m³ | 0.61 | 3.574 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 17:54 | AS |
| 109-99-9 | *** Tetrahydrofuran** | **2.4** | | ug/m³ | 2.1 | 3.574 | EPA TO-15 Certifications: | 07/12/2019 07:00 | 07/12/2019 17:54 | AS |
| 156-60-5 | trans-1,2-Dichloroethylene | ND | | ug/m³ | 1.4 | 3.574 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 17:54 | AS |
| 10061-02-6 | trans-1,3-Dichloropropylene | ND | | ug/m³ | 1.6 | 3.574 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 17:54 | AS |
| 79-01-6 | **Trichloroethylene** | **1.3** | | ug/m³ | 0.48 | 3.574 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 17:54 | AS |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | ND | | ug/m³ | 2.0 | 3.574 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 17:54 | AS |
| 108-05-4 | Vinyl acetate | ND | | ug/m³ | 1.3 | 3.574 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 17:54 | AS |
| 593-60-2 | Vinyl bromide | ND | | ug/m³ | 1.6 | 3.574 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 17:54 | AS |
| 75-01-4 | **Vinyl Chloride** | **2.1** | | ug/m³ | 0.23 | 3.574 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 17:54 | AS |

| | Surrogate Recoveries | Result | Acceptance Range |
|---|---|---|---|
| 460-00-4 | *Surrogate: SURR: p-Bromofluorobenzene* | *104 %* | *70-130* |

## Sample Information

**Client Sample ID:** SV6 **York Sample ID:** 19G0333-04

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19G0333 | 190050 | Soil Vapor | July 2, 2019 12:00 am | 07/10/2019 |

**Volatile Organics, EPA TO15 Full List** **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 630-20-6 | * 1,1,1,2-Tetrachloroethane | ND | | ug/m³ | 12 | 17.48 | EPA TO-15 Certifications: | 07/11/2019 07:00 | 07/11/2019 23:35 | AS |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | ug/m³ | 9.5 | 17.48 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 23:35 | AS |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | ug/m³ | 12 | 17.48 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 23:35 | AS |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | | ug/m³ | 13 | 17.48 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 23:35 | AS |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | ug/m³ | 9.5 | 17.48 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 23:35 | AS |
| 75-34-3 | **1,1-Dichloroethane** | **20** | | ug/m³ | 7.1 | 17.48 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 23:35 | AS |
| 75-35-4 | **1,1-Dichloroethylene** | **28** | | ug/m³ | 1.7 | 17.48 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 23:35 | AS |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | ug/m³ | 13 | 17.48 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 23:35 | AS |
| 95-63-6 | **1,2,4-Trimethylbenzene** | **26** | | ug/m³ | 8.6 | 17.48 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 23:35 | AS |
| 106-93-4 | 1,2-Dibromoethane | ND | | ug/m³ | 13 | 17.48 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 23:35 | AS |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | ug/m³ | 11 | 17.48 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 23:35 | AS |
| 107-06-2 | 1,2-Dichloroethane | ND | | ug/m³ | 7.1 | 17.48 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 23:35 | AS |
| 78-87-5 | 1,2-Dichloropropane | ND | | ug/m³ | 8.1 | 17.48 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 23:35 | AS |
| 76-14-2 | 1,2-Dichlorotetrafluoroethane | ND | | ug/m³ | 12 | 17.48 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 23:35 | AS |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | | ug/m³ | 8.6 | 17.48 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 23:35 | AS |
| 106-99-0 | 1,3-Butadiene | ND | | ug/m³ | 12 | 17.48 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 23:35 | AS |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | ug/m³ | 11 | 17.48 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 23:35 | AS |
| 142-28-9 | * 1,3-Dichloropropane | ND | | ug/m³ | 8.1 | 17.48 | EPA TO-15 Certifications: | 07/11/2019 07:00 | 07/11/2019 23:35 | AS |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | ug/m³ | 11 | 17.48 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 23:35 | AS |
| 123-91-1 | 1,4-Dioxane | ND | | ug/m³ | 13 | 17.48 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 23:35 | AS |
| 78-93-3 | 2-Butanone | ND | | ug/m³ | 5.2 | 17.48 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 23:35 | AS |
| 591-78-6 | * 2-Hexanone | ND | | ug/m³ | 14 | 17.48 | EPA TO-15 Certifications: | 07/11/2019 07:00 | 07/11/2019 23:35 | AS |

## Sample Information

**Client Sample ID:** SV6 **York Sample ID:** 19G0333-04

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19G0333 | 190050 | Soil Vapor | July 2, 2019 12:00 am | 07/10/2019 |

**Volatile Organics, EPA TO15 Full List** **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 107-05-1 | 3-Chloropropene | ND | | ug/m³ | 27 | 17.48 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 23:35 | AS |
| 108-10-1 | 4-Methyl-2-pentanone | ND | | ug/m³ | 7.2 | 17.48 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 23:35 | AS |
| 67-64-1 | **Acetone** | **32** | | ug/m³ | 8.3 | 17.48 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 23:35 | AS |
| 107-13-1 | Acrylonitrile | ND | | ug/m³ | 3.8 | 17.48 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 23:35 | AS |
| 71-43-2 | Benzene | ND | | ug/m³ | 5.6 | 17.48 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 23:35 | AS |
| 100-44-7 | Benzyl chloride | ND | | ug/m³ | 9.0 | 17.48 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 23:35 | AS |
| 75-27-4 | Bromodichloromethane | ND | | ug/m³ | 12 | 17.48 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 23:35 | AS |
| 75-25-2 | Bromoform | ND | | ug/m³ | 18 | 17.48 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 23:35 | AS |
| 74-83-9 | Bromomethane | ND | | ug/m³ | 6.8 | 17.48 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 23:35 | AS |
| 75-15-0 | Carbon disulfide | ND | | ug/m³ | 5.4 | 17.48 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 23:35 | AS |
| 56-23-5 | Carbon tetrachloride | ND | | ug/m³ | 2.7 | 17.48 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 23:35 | AS |
| 108-90-7 | Chlorobenzene | ND | | ug/m³ | 8.0 | 17.48 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 23:35 | AS |
| 75-00-3 | Chloroethane | ND | | ug/m³ | 4.6 | 17.48 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 23:35 | AS |
| 67-66-3 | **Chloroform** | **8.5** | | ug/m³ | 8.5 | 17.48 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 23:35 | AS |
| 74-87-3 | Chloromethane | ND | | ug/m³ | 3.6 | 17.48 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 23:35 | AS |
| 156-59-2 | **cis-1,2-Dichloroethylene** | **150000** | | ug/m³ | 100 | 1041 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/15/2019 14:00 | 07/15/2019 21:14 | AS |
| 10061-01-5 | cis-1,3-Dichloropropylene | ND | | ug/m³ | 7.9 | 17.48 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 23:35 | AS |
| 110-82-7 | Cyclohexane | ND | | ug/m³ | 6.0 | 17.48 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 23:35 | AS |
| 124-48-1 | Dibromochloromethane | ND | | ug/m³ | 15 | 17.48 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 23:35 | AS |
| 75-71-8 | **Dichlorodifluoromethane** | **260** | | ug/m³ | 8.6 | 17.48 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 23:35 | AS |
| 141-78-6 | * Ethyl acetate | ND | | ug/m³ | 13 | 17.48 | EPA TO-15 Certifications: | 07/11/2019 07:00 | 07/11/2019 23:35 | AS |
| 100-41-4 | **Ethyl Benzene** | **14** | | ug/m³ | 7.6 | 17.48 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 23:35 | AS |

## Sample Information

**Client Sample ID:** SV6 **York Sample ID:** 19G0333-04

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19G0333 | 190050 | Soil Vapor | July 2, 2019 12:00 am | 07/10/2019 |

**Volatile Organics, EPA TO15 Full List** **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 87-68-3 | Hexachlorobutadiene | ND | | ug/m³ | 19 | 17.48 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 23:35 | AS |
| 67-63-0 | Isopropanol | ND | | ug/m³ | 8.6 | 17.48 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 23:35 | AS |
| 80-62-6 | Methyl Methacrylate | ND | | ug/m³ | 7.2 | 17.48 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 23:35 | AS |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | | ug/m³ | 6.3 | 17.48 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 23:35 | AS |
| 75-09-2 | Methylene chloride | ND | | ug/m³ | 12 | 17.48 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 23:35 | AS |
| 142-82-5 | **n-Heptane** | **9.3** | | ug/m³ | 7.2 | 17.48 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 23:35 | AS |
| 110-54-3 | **n-Hexane** | **8.6** | | ug/m³ | 6.2 | 17.48 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 23:35 | AS |
| 95-47-6 | **o-Xylene** | **17** | | ug/m³ | 7.6 | 17.48 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 23:35 | AS |
| 179601-23-1 | **p- & m- Xylenes** | **43** | | ug/m³ | 15 | 17.48 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 23:35 | AS |
| 622-96-8 | *** p-Ethyltoluene** | **22** | | ug/m³ | 8.6 | 17.48 | EPA TO-15 Certifications: | 07/11/2019 07:00 | 07/11/2019 23:35 | AS |
| 115-07-1 | *** Propylene** | **23** | | ug/m³ | 3.0 | 17.48 | EPA TO-15 Certifications: | 07/11/2019 07:00 | 07/11/2019 23:35 | AS |
| 100-42-5 | Styrene | ND | | ug/m³ | 7.4 | 17.48 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 23:35 | AS |
| 127-18-4 | **Tetrachloroethylene** | **36** | | ug/m³ | 3.0 | 17.48 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 23:35 | AS |
| 109-99-9 | * Tetrahydrofuran | ND | | ug/m³ | 10 | 17.48 | EPA TO-15 Certifications: | 07/11/2019 07:00 | 07/11/2019 23:35 | AS |
| 108-88-3 | **Toluene** | **47** | | ug/m³ | 6.6 | 17.48 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 23:35 | AS |
| 156-60-5 | **trans-1,2-Dichloroethylene** | **3400** | | ug/m³ | 6.9 | 17.48 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 23:35 | AS |
| 10061-02-6 | trans-1,3-Dichloropropylene | ND | | ug/m³ | 7.9 | 17.48 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 23:35 | AS |
| 79-01-6 | **Trichloroethylene** | **250** | | ug/m³ | 2.3 | 17.48 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 23:35 | AS |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | ND | | ug/m³ | 9.8 | 17.48 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 23:35 | AS |
| 108-05-4 | Vinyl acetate | ND | | ug/m³ | 6.2 | 17.48 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 23:35 | AS |
| 593-60-2 | Vinyl bromide | ND | | ug/m³ | 7.6 | 17.48 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/11/2019 23:35 | AS |
| 75-01-4 | **Vinyl Chloride** | **510** | | ug/m³ | 8.9 | 139.8 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/11/2019 07:00 | 07/12/2019 20:26 | AS |

| Surrogate Recoveries | Result | Acceptance Range |
|---|---|---|

## Sample Information

**Client Sample ID:** **SV6** **York Sample ID:** **19G0333-04**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19G0333 | 190050 | Soil Vapor | July 2, 2019 12:00 am | 07/10/2019 |

**Volatile Organics, EPA TO15 Full List** **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 460-00-4 | *Surrogate: SURR: p-Bromofluorobenzene* | *115 %* | | | *70-130* | | | | | |

## Sample Information

**Client Sample ID:** **SV7** **York Sample ID:** **19G0333-05**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19G0333 | 190050 | Soil Vapor | July 2, 2019 12:00 am | 07/10/2019 |

**Volatile Organics, EPA TO15 Full List** **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 630-20-6 | * 1,1,1,2-Tetrachloroethane | ND | | ug/m³ | 1.4 | 2.032 | EPA TO-15<br>Certifications: | 07/12/2019 07:00 | 07/12/2019 18:46 | AS |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | ug/m³ | 1.1 | 2.032 | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 18:46 | AS |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | ug/m³ | 1.4 | 2.032 | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 18:46 | AS |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | | ug/m³ | 1.6 | 2.032 | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 18:46 | AS |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | ug/m³ | 1.1 | 2.032 | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 18:46 | AS |
| 75-34-3 | 1,1-Dichloroethane | ND | | ug/m³ | 0.82 | 2.032 | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 18:46 | AS |
| 75-35-4 | 1,1-Dichloroethylene | ND | | ug/m³ | 0.20 | 2.032 | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 18:46 | AS |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | ug/m³ | 1.5 | 2.032 | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 18:46 | AS |
| 95-63-6 | **1,2,4-Trimethylbenzene** | **12** | | ug/m³ | 1.0 | 2.032 | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 18:46 | AS |
| 106-93-4 | 1,2-Dibromoethane | ND | | ug/m³ | 1.6 | 2.032 | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 18:46 | AS |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | ug/m³ | 1.2 | 2.032 | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 18:46 | AS |
| 107-06-2 | 1,2-Dichloroethane | ND | | ug/m³ | 0.82 | 2.032 | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 18:46 | AS |
| 78-87-5 | 1,2-Dichloropropane | ND | | ug/m³ | 0.94 | 2.032 | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 18:46 | AS |
| 76-14-2 | 1,2-Dichlorotetrafluoroethane | ND | | ug/m³ | 1.4 | 2.032 | EPA TO-15<br>Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 18:46 | AS |

## Sample Information

**Client Sample ID:** SV7 **York Sample ID:** 19G0333-05

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19G0333 | 190050 | Soil Vapor | July 2, 2019 12:00 am | 07/10/2019 |

**Volatile Organics, EPA TO15 Full List** **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 108-67-8 | **1,3,5-Trimethylbenzene** | **3.1** | | ug/m³ | 1.0 | 2.032 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 18:46 | AS |
| 106-99-0 | 1,3-Butadiene | ND | | ug/m³ | 1.3 | 2.032 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 18:46 | AS |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | ug/m³ | 1.2 | 2.032 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 18:46 | AS |
| 142-28-9 | * 1,3-Dichloropropane | ND | | ug/m³ | 0.94 | 2.032 | EPA TO-15 Certifications: | 07/12/2019 07:00 | 07/12/2019 18:46 | AS |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | ug/m³ | 1.2 | 2.032 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 18:46 | AS |
| 123-91-1 | 1,4-Dioxane | ND | | ug/m³ | 1.5 | 2.032 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 18:46 | AS |
| 78-93-3 | **2-Butanone** | **1.9** | | ug/m³ | 0.60 | 2.032 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 18:46 | AS |
| 591-78-6 | * 2-Hexanone | ND | | ug/m³ | 1.7 | 2.032 | EPA TO-15 Certifications: | 07/12/2019 07:00 | 07/12/2019 18:46 | AS |
| 107-05-1 | 3-Chloropropene | ND | | ug/m³ | 3.2 | 2.032 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 18:46 | AS |
| 108-10-1 | 4-Methyl-2-pentanone | ND | | ug/m³ | 0.83 | 2.032 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 18:46 | AS |
| 67-64-1 | **Acetone** | **11** | | ug/m³ | 0.97 | 2.032 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 18:46 | AS |
| 107-13-1 | Acrylonitrile | ND | | ug/m³ | 0.44 | 2.032 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 18:46 | AS |
| 71-43-2 | Benzene | ND | | ug/m³ | 0.65 | 2.032 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 18:46 | AS |
| 100-44-7 | Benzyl chloride | ND | | ug/m³ | 1.1 | 2.032 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 18:46 | AS |
| 75-27-4 | Bromodichloromethane | ND | | ug/m³ | 1.4 | 2.032 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 18:46 | AS |
| 75-25-2 | Bromoform | ND | | ug/m³ | 2.1 | 2.032 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 18:46 | AS |
| 74-83-9 | Bromomethane | ND | | ug/m³ | 0.79 | 2.032 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 18:46 | AS |
| 75-15-0 | Carbon disulfide | ND | | ug/m³ | 0.63 | 2.032 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 18:46 | AS |
| 56-23-5 | **Carbon tetrachloride** | **0.38** | | ug/m³ | 0.32 | 2.032 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 18:46 | AS |
| 108-90-7 | Chlorobenzene | ND | | ug/m³ | 0.94 | 2.032 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 18:46 | AS |
| 75-00-3 | Chloroethane | ND | | ug/m³ | 0.54 | 2.032 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 18:46 | AS |
| 67-66-3 | Chloroform | ND | | ug/m³ | 0.99 | 2.032 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 18:46 | AS |

## Sample Information

**Client Sample ID:** SV7 **York Sample ID:** 19G0333-05

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19G0333 | 190050 | Soil Vapor | July 2, 2019 12:00 am | 07/10/2019 |

**Volatile Organics, EPA TO15 Full List** **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 74-87-3 | Chloromethane | ND | | ug/m³ | 0.42 | 2.032 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 18:46 | AS |
| 156-59-2 | cis-1,2-Dichloroethylene | ND | | ug/m³ | 0.20 | 2.032 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 18:46 | AS |
| 10061-01-5 | cis-1,3-Dichloropropylene | ND | | ug/m³ | 0.92 | 2.032 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 18:46 | AS |
| 110-82-7 | Cyclohexane | ND | | ug/m³ | 0.70 | 2.032 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 18:46 | AS |
| 124-48-1 | Dibromochloromethane | ND | | ug/m³ | 1.7 | 2.032 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 18:46 | AS |
| 75-71-8 | **Dichlorodifluoromethane** | **3.2** | | ug/m³ | 1.0 | 2.032 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 18:46 | AS |
| 141-78-6 | * Ethyl acetate | ND | | ug/m³ | 1.5 | 2.032 | EPA TO-15 Certifications: | 07/12/2019 07:00 | 07/12/2019 18:46 | AS |
| 100-41-4 | **Ethyl Benzene** | **3.0** | | ug/m³ | 0.88 | 2.032 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 18:46 | AS |
| 87-68-3 | Hexachlorobutadiene | ND | | ug/m³ | 2.2 | 2.032 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 18:46 | AS |
| 67-63-0 | **Isopropanol** | **1.2** | | ug/m³ | 1.0 | 2.032 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 18:46 | AS |
| 80-62-6 | Methyl Methacrylate | ND | | ug/m³ | 0.83 | 2.032 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 18:46 | AS |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | | ug/m³ | 0.73 | 2.032 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 18:46 | AS |
| 75-09-2 | Methylene chloride | ND | | ug/m³ | 1.4 | 2.032 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 18:46 | AS |
| 142-82-5 | **n-Heptane** | **1.7** | | ug/m³ | 0.83 | 2.032 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 18:46 | AS |
| 110-54-3 | n-Hexane | ND | | ug/m³ | 0.72 | 2.032 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 18:46 | AS |
| 95-47-6 | **o-Xylene** | **5.8** | | ug/m³ | 0.88 | 2.032 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 18:46 | AS |
| 179601-23-1 | **p- & m- Xylenes** | **12** | | ug/m³ | 1.8 | 2.032 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 18:46 | AS |
| 622-96-8 | *** p-Ethyltoluene** | **6.6** | | ug/m³ | 1.0 | 2.032 | EPA TO-15 Certifications: | 07/12/2019 07:00 | 07/12/2019 18:46 | AS |
| 115-07-1 | * Propylene | ND | | ug/m³ | 0.35 | 2.032 | EPA TO-15 Certifications: | 07/12/2019 07:00 | 07/12/2019 18:46 | AS |
| 100-42-5 | **Styrene** | **2.0** | | ug/m³ | 0.87 | 2.032 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 18:46 | AS |
| 127-18-4 | **Tetrachloroethylene** | **6.1** | | ug/m³ | 0.34 | 2.032 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 18:46 | AS |
| 109-99-9 | * Tetrahydrofuran | ND | | ug/m³ | 1.2 | 2.032 | EPA TO-15 Certifications: | 07/12/2019 07:00 | 07/12/2019 18:46 | AS |

## Sample Information

**Client Sample ID:** SV7 **York Sample ID:** 19G0333-05

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19G0333 | 190050 | Soil Vapor | July 2, 2019 12:00 am | 07/10/2019 |

**Volatile Organics, EPA TO15 Full List** **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 108-88-3 | **Toluene** | **9.4** | | ug/m³ | 0.77 | 2.032 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 18:46 | AS |
| 156-60-5 | trans-1,2-Dichloroethylene | ND | | ug/m³ | 0.81 | 2.032 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 18:46 | AS |
| 10061-02-6 | trans-1,3-Dichloropropylene | ND | | ug/m³ | 0.92 | 2.032 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 18:46 | AS |
| 79-01-6 | Trichloroethylene | ND | | ug/m³ | 0.27 | 2.032 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 18:46 | AS |
| 75-69-4 | **Trichlorofluoromethane (Freon 11)** | **1.3** | | ug/m³ | 1.1 | 2.032 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 18:46 | AS |
| 108-05-4 | Vinyl acetate | ND | | ug/m³ | 0.72 | 2.032 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 18:46 | AS |
| 593-60-2 | Vinyl bromide | ND | | ug/m³ | 0.89 | 2.032 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 18:46 | AS |
| 75-01-4 | Vinyl Chloride | ND | | ug/m³ | 0.13 | 2.032 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/12/2019 07:00 | 07/12/2019 18:46 | AS |

| | Surrogate Recoveries | Result | Acceptance Range |
|---|---|---|---|
| 460-00-4 | *Surrogate: SURR: p-Bromofluorobenzene* | *121 %* | *70-130* |

## Sample and Data Qualifiers Relating to This Work Order

QR-01 Analyses are not controlled on RPD values from sample concentrations less than 10 times the reporting limit. QC batch accepted based on LCS and/or LCSD QC results.

## 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 DR. STRATFORD, CT 06615
(203) 325-1371 FAX (203) 357-0166

# Field Chain-of-Custody Record - AIR

Page____ of____

**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 unless superseded by written contract.

**York Project No.** 19G0333

| YOUR Information | Report To: | Invoice To: | YOUR Project ID | Turn-Around Time | Report Type/Deliverables |
|---|---|---|---|---|---|
| Company: Touchstone | Company: Touchstone | Company: Touchstone | 190050 | RUSH - Same Day ☐ | Summary Report ____ |
| Address: | Address: | Address: | Purchase Order No. | RUSH - Next Day ☐ | Summary w/ QA Summary ____ |
| Phone No: | Phone No. | Phone No. | | RUSH - Two Day ☐ | CT RCP Package ____ |
| Contact Person: | Attention: | Attention: | | RUSH - Three Day ☐ | NY ASP A Package ____ |
| E-Mail Address: | E-Mail Address: | E-Mail Address: | Samples from: CT__ NY__ NJ__ | RUSH - Four Day ☐ | NY ASP B/CLP Pkg ____ |
| | | | | Standard(5-7 Days) ☐ | NJDEP Reduced ____ |
| | | | | | *Electronic Deliverables:* |
| | | | | | EDD (Specify Type) ____ |
| | | | | | Standard Excel ____ |
| | | | | | Regulatory Comparison Excel ____ |

***Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.***

Samples Collected/Authorized By (Signature)

Mehmet Atamer
Name (printed)

**Air Matrix Codes**

AI - INDOOR Ambient Air
AO- OUTDOOR Amb. Air
AE- Vapor Extraction Well/ Process Gas/Effluent
AS- SOIL Vapor/Sub-Slab

**TO15 Volatiles and Other Gas Analyses**

| | |
|---|---|
| EPA TO-15 List | EPA TO-14A List |
| NYSDEC VI list | Tentatively Identified Compounds |
| NYSDEC STARS List | Air VPH |
| **Project Specific List by TO-15** | Helium |
| NJDEP Target List | Methane |
| CTDEP RCP Target List | OTHER____ |

**Detection Limits Required**

≤ 1 ug/m³ ____
NYSDEC VI Limits____
(VI - vapor intrusion)
NJDEP low level ____
Routine Survey ____
Other____

**Special Instructions**

| Sample Identification | Date Sampled | AIR Matrix | Canister Vacuum Before Sampling (in. Hg) | Canister Vacuum After Sampling (in. Hg) | Choose Analyses Needed from the Menu Above and Enter Below | Sampling Media |
|---|---|---|---|---|---|---|
| IA (canister ID 28854) | 7/2/19 | AI | -30 | -6 | TO-15 | 6 Liter Summa canister ✓ Tedlar Bag ____ |
| OA (canister ID 17347) | 7/2/19 | AO | -30 | -10 | TO-15 | 6 Liter Summa canister ✓ Tedlar Bag ____ |
| SV5 (canister ID 20754) | 7/2/19 | AS | -30 | -10 | TO-15 | 6 Liter Summa canister ✓ Tedlar Bag ____ |
| SV6 (canister ID 28315) | 7/2/19 | AS | -30 | -8 | TO-15 | 6 Liter Summa canister ✓ Tedlar Bag ____ |
| SV7 (canister ID 23802) | 7/2/19 | AS | -30 | -14 | TO-15 | 6 Liter Summa canister ✓ Tedlar Bag ____ |
| | | | | | | 6 Liter Summa canister ____ Tedlar Bag ____ |
| | | | | | | 6 Liter Summa canister ____ Tedlar Bag ____ |
| | | | | | | 6 Liter Summa canister ____ Tedlar Bag ____ |
| | | | | | | 6 Liter Summa canister ____ Tedlar Bag ____ |
| | | | | | | 6 Liter Summa canister ____ Tedlar Bag ____ |
| | | | | | | 6 Liter Summa canister ____ Tedlar Bag ____ |

Comments
Received - [illegible] 7-9-19 1910

Samples Relinquished By [illegible] Date/Time 7/9/19
Samples Relinquished By [illegible] Date/Time 7/9/19

Samples Received By [illegible] Date/Time 7/9/19 150PM
Samples Received in LAB by [illegible] Date/Time 7/10/19 9:49am

# Technical Report

prepared for:

**Touchstone Environmental Geology, PC**
8 Dolphin Drive
Centereach NY, 11720
**Attention: Rachel Ataman**

Report Date: 07/09/2019
**Client Project ID: 190050 1036 Manhattan Ave.**
York Project (SDG) No.: 19F1188

Report Date: 07/09/2019
Client Project ID: 190050 1036 Manhattan Ave.
York Project (SDG) No.: 19F1188

**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 June 28, 2019 with a temperature of C. The project was identified as your project: **190050 1036 Manhattan Ave.**.

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.

| York Sample ID | Client Sample ID | Matrix | Date Collected | Date Received |
|---|---|---|---|---|
| 19F1188-01 | SV-1 | Air | 06/26/2019 | 06/28/2019 |
| 19F1188-02 | SV-2 | Air | 06/26/2019 | 06/28/2019 |
| 19F1188-03 | SV-3 | Air | 06/26/2019 | 06/28/2019 |
| 19F1188-04 | SV-4 | Air | 06/26/2019 | 06/28/2019 |

## General Notes for York Project (SDG) No.: 19F1188

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:** **Date:** 07/09/2019

Benjamin Gulizia
Laboratory Director

## Sample Information

**Client Sample ID:** **SV-1** **York Sample ID:** **19F1188-01**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F1188 | 190050 1036 Manhattan Ave. | Air | June 26, 2019 9:20 am | 06/28/2019 |

**Volatile Organics, EPA TO15 Full List** **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 630-20-6 | * 1,1,1,2-Tetrachloroethane | ND | | ug/m³ | 1.1 | 1.612 | EPA TO-15 Certifications: | 07/09/2019 07:00 | 07/09/2019 12:00 | AS |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | ug/m³ | 0.88 | 1.612 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 12:00 | AS |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | ug/m³ | 1.1 | 1.612 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 12:00 | AS |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | | ug/m³ | 1.2 | 1.612 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 12:00 | AS |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | ug/m³ | 0.88 | 1.612 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 12:00 | AS |
| 75-34-3 | 1,1-Dichloroethane | ND | | ug/m³ | 0.65 | 1.612 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 12:00 | AS |
| 75-35-4 | 1,1-Dichloroethylene | ND | | ug/m³ | 0.16 | 1.612 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 12:00 | AS |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | ug/m³ | 1.2 | 1.612 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 12:00 | AS |
| 95-63-6 | **1,2,4-Trimethylbenzene** | **0.95** | | ug/m³ | 0.79 | 1.612 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 12:00 | AS |
| 106-93-4 | 1,2-Dibromoethane | ND | | ug/m³ | 1.2 | 1.612 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 12:00 | AS |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | ug/m³ | 0.97 | 1.612 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 12:00 | AS |
| 107-06-2 | 1,2-Dichloroethane | ND | | ug/m³ | 0.65 | 1.612 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 12:00 | AS |
| 78-87-5 | 1,2-Dichloropropane | ND | | ug/m³ | 0.74 | 1.612 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 12:00 | AS |
| 76-14-2 | 1,2-Dichlorotetrafluoroethane | ND | | ug/m³ | 1.1 | 1.612 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 12:00 | AS |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | | ug/m³ | 0.79 | 1.612 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 12:00 | AS |
| 106-99-0 | 1,3-Butadiene | ND | | ug/m³ | 1.1 | 1.612 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 12:00 | AS |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | ug/m³ | 0.97 | 1.612 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 12:00 | AS |
| 142-28-9 | * 1,3-Dichloropropane | ND | | ug/m³ | 0.74 | 1.612 | EPA TO-15 Certifications: | 07/09/2019 07:00 | 07/09/2019 12:00 | AS |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | ug/m³ | 0.97 | 1.612 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 12:00 | AS |
| 123-91-1 | 1,4-Dioxane | ND | | ug/m³ | 1.2 | 1.612 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 12:00 | AS |
| 78-93-3 | **2-Butanone** | **1.8** | | ug/m³ | 0.48 | 1.612 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 12:00 | AS |

## Sample Information

**Client Sample ID:** **SV-1** **York Sample ID:** **19F1188-01**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F1188 | 190050 1036 Manhattan Ave. | Air | June 26, 2019 9:20 am | 06/28/2019 |

**Volatile Organics, EPA TO15 Full List** **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 591-78-6 | * 2-Hexanone | ND | | ug/m³ | 1.3 | 1.612 | EPA TO-15 Certifications: | 07/09/2019 07:00 | 07/09/2019 12:00 | AS |
| 107-05-1 | 3-Chloropropene | ND | | ug/m³ | 2.5 | 1.612 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 12:00 | AS |
| 108-10-1 | 4-Methyl-2-pentanone | ND | | ug/m³ | 0.66 | 1.612 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 12:00 | AS |
| 67-64-1 | **Acetone** | **11** | | ug/m³ | 0.77 | 1.612 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 12:00 | AS |
| 107-13-1 | Acrylonitrile | ND | | ug/m³ | 0.35 | 1.612 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 12:00 | AS |
| 71-43-2 | Benzene | ND | | ug/m³ | 0.51 | 1.612 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 12:00 | AS |
| 100-44-7 | Benzyl chloride | ND | | ug/m³ | 0.83 | 1.612 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 12:00 | AS |
| 75-27-4 | Bromodichloromethane | ND | | ug/m³ | 1.1 | 1.612 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 12:00 | AS |
| 75-25-2 | Bromoform | ND | | ug/m³ | 1.7 | 1.612 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 12:00 | AS |
| 74-83-9 | Bromomethane | ND | | ug/m³ | 0.63 | 1.612 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 12:00 | AS |
| 75-15-0 | Carbon disulfide | ND | | ug/m³ | 0.50 | 1.612 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 12:00 | AS |
| 56-23-5 | **Carbon tetrachloride** | **0.71** | | ug/m³ | 0.25 | 1.612 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 12:00 | AS |
| 108-90-7 | Chlorobenzene | ND | | ug/m³ | 0.74 | 1.612 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 12:00 | AS |
| 75-00-3 | Chloroethane | ND | | ug/m³ | 0.43 | 1.612 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 12:00 | AS |
| 67-66-3 | **Chloroform** | **1.1** | | ug/m³ | 0.79 | 1.612 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 12:00 | AS |
| 74-87-3 | Chloromethane | ND | | ug/m³ | 0.33 | 1.612 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 12:00 | AS |
| 156-59-2 | cis-1,2-Dichloroethylene | ND | | ug/m³ | 0.16 | 1.612 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 12:00 | AS |
| 10061-01-5 | cis-1,3-Dichloropropylene | ND | | ug/m³ | 0.73 | 1.612 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 12:00 | AS |
| 110-82-7 | Cyclohexane | ND | | ug/m³ | 0.55 | 1.612 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 12:00 | AS |
| 124-48-1 | Dibromochloromethane | ND | | ug/m³ | 1.4 | 1.612 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 12:00 | AS |
| 75-71-8 | **Dichlorodifluoromethane** | **1.8** | | ug/m³ | 0.80 | 1.612 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 12:00 | AS |
| 141-78-6 | * Ethyl acetate | ND | | ug/m³ | 1.2 | 1.612 | EPA TO-15 Certifications: | 07/09/2019 07:00 | 07/09/2019 12:00 | AS |

## Sample Information

**Client Sample ID:** **SV-1** **York Sample ID:** **19F1188-01**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F1188 | 190050 1036 Manhattan Ave. | Air | June 26, 2019 9:20 am | 06/28/2019 |

**Volatile Organics, EPA TO15 Full List** **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 100-41-4 | Ethyl Benzene | ND | | ug/m³ | 0.70 | 1.612 | EPA TO-15 | 07/09/2019 07:00 | 07/09/2019 12:00 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 87-68-3 | Hexachlorobutadiene | ND | | ug/m³ | 1.7 | 1.612 | EPA TO-15 | 07/09/2019 07:00 | 07/09/2019 12:00 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 67-63-0 | Isopropanol | ND | | ug/m³ | 0.79 | 1.612 | EPA TO-15 | 07/09/2019 07:00 | 07/09/2019 12:00 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 80-62-6 | **Methyl Methacrylate** | **0.66** | | ug/m³ | 0.66 | 1.612 | EPA TO-15 | 07/09/2019 07:00 | 07/09/2019 12:00 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | | ug/m³ | 0.58 | 1.612 | EPA TO-15 | 07/09/2019 07:00 | 07/09/2019 12:00 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 75-09-2 | **Methylene chloride** | **6.8** | | ug/m³ | 1.1 | 1.612 | EPA TO-15 | 07/09/2019 07:00 | 07/09/2019 12:00 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 142-82-5 | n-Heptane | ND | | ug/m³ | 0.66 | 1.612 | EPA TO-15 | 07/09/2019 07:00 | 07/09/2019 12:00 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 110-54-3 | n-Hexane | ND | | ug/m³ | 0.57 | 1.612 | EPA TO-15 | 07/09/2019 07:00 | 07/09/2019 12:00 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 95-47-6 | o-Xylene | ND | | ug/m³ | 0.70 | 1.612 | EPA TO-15 | 07/09/2019 07:00 | 07/09/2019 12:00 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 179601-23-1 | **p- & m- Xylenes** | **1.5** | | ug/m³ | 1.4 | 1.612 | EPA TO-15 | 07/09/2019 07:00 | 07/09/2019 12:00 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 622-96-8 | * p-Ethyltoluene | ND | | ug/m³ | 0.79 | 1.612 | EPA TO-15 | 07/09/2019 07:00 | 07/09/2019 12:00 | AS |
| | | | | | | | Certifications: | | | |
| 115-07-1 | *** Propylene** | **1.4** | | ug/m³ | 0.28 | 1.612 | EPA TO-15 | 07/09/2019 07:00 | 07/09/2019 12:00 | AS |
| | | | | | | | Certifications: | | | |
| 100-42-5 | **Styrene** | **0.69** | | ug/m³ | 0.69 | 1.612 | EPA TO-15 | 07/09/2019 07:00 | 07/09/2019 12:00 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 127-18-4 | Tetrachloroethylene | ND | | ug/m³ | 0.27 | 1.612 | EPA TO-15 | 07/09/2019 07:00 | 07/09/2019 12:00 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 109-99-9 | * Tetrahydrofuran | ND | | ug/m³ | 0.95 | 1.612 | EPA TO-15 | 07/09/2019 07:00 | 07/09/2019 12:00 | AS |
| | | | | | | | Certifications: | | | |
| 108-88-3 | **Toluene** | **2.9** | | ug/m³ | 0.61 | 1.612 | EPA TO-15 | 07/09/2019 07:00 | 07/09/2019 12:00 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 156-60-5 | trans-1,2-Dichloroethylene | ND | | ug/m³ | 0.64 | 1.612 | EPA TO-15 | 07/09/2019 07:00 | 07/09/2019 12:00 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 10061-02-6 | trans-1,3-Dichloropropylene | ND | | ug/m³ | 0.73 | 1.612 | EPA TO-15 | 07/09/2019 07:00 | 07/09/2019 12:00 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 79-01-6 | Trichloroethylene | ND | | ug/m³ | 0.22 | 1.612 | EPA TO-15 | 07/09/2019 07:00 | 07/09/2019 12:00 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 75-69-4 | **Trichlorofluoromethane (Freon 11)** | **1.2** | | ug/m³ | 0.91 | 1.612 | EPA TO-15 | 07/09/2019 07:00 | 07/09/2019 12:00 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 108-05-4 | Vinyl acetate | ND | | ug/m³ | 0.57 | 1.612 | EPA TO-15 | 07/09/2019 07:00 | 07/09/2019 12:00 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 593-60-2 | Vinyl bromide | ND | | ug/m³ | 0.71 | 1.612 | EPA TO-15 | 07/09/2019 07:00 | 07/09/2019 12:00 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |

## Sample Information

**Client Sample ID:** **SV-1** **York Sample ID:** **19F1188-01**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F1188 | 190050 1036 Manhattan Ave. | Air | June 26, 2019 9:20 am | 06/28/2019 |

**Volatile Organics, EPA TO15 Full List** **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 75-01-4 | Vinyl Chloride | ND | | ug/m³ | 0.10 | 1.612 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 12:00 | AS |

| | Surrogate Recoveries | Result | Acceptance Range |
|---|---|---|---|
| 460-00-4 | *Surrogate: SURR: p-Bromofluorobenzene* | *102 %* | *70-130* |

## Sample Information

**Client Sample ID:** **SV-2** **York Sample ID:** **19F1188-02**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F1188 | 190050 1036 Manhattan Ave. | Air | June 26, 2019 9:32 am | 06/28/2019 |

**Volatile Organics, EPA TO15 Full List** **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 630-20-6 | * 1,1,1,2-Tetrachloroethane | ND | | ug/m³ | 1.1 | 1.596 | EPA TO-15 Certifications: | 07/09/2019 07:00 | 07/09/2019 12:52 | AS |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | ug/m³ | 0.87 | 1.596 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 12:52 | AS |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | ug/m³ | 1.1 | 1.596 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 12:52 | AS |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | | ug/m³ | 1.2 | 1.596 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 12:52 | AS |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | ug/m³ | 0.87 | 1.596 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 12:52 | AS |
| 75-34-3 | 1,1-Dichloroethane | ND | | ug/m³ | 0.65 | 1.596 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 12:52 | AS |
| 75-35-4 | 1,1-Dichloroethylene | ND | | ug/m³ | 0.16 | 1.596 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 12:52 | AS |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | ug/m³ | 1.2 | 1.596 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 12:52 | AS |
| 95-63-6 | **1,2,4-Trimethylbenzene** | **1.1** | | ug/m³ | 0.78 | 1.596 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 12:52 | AS |
| 106-93-4 | 1,2-Dibromoethane | ND | | ug/m³ | 1.2 | 1.596 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 12:52 | AS |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | ug/m³ | 0.96 | 1.596 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 12:52 | AS |
| 107-06-2 | **1,2-Dichloroethane** | **0.65** | | ug/m³ | 0.65 | 1.596 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 12:52 | AS |

## Sample Information

**Client Sample ID:** **SV-2** **York Sample ID:** **19F1188-02**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F1188 | 190050 1036 Manhattan Ave. | Air | June 26, 2019 9:32 am | 06/28/2019 |

**Volatile Organics, EPA TO15 Full List** **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 78-87-5 | 1,2-Dichloropropane | ND | | ug/m³ | 0.74 | 1.596 | EPA TO-15 | 07/09/2019 07:00 | 07/09/2019 12:52 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 76-14-2 | 1,2-Dichlorotetrafluoroethane | ND | | ug/m³ | 1.1 | 1.596 | EPA TO-15 | 07/09/2019 07:00 | 07/09/2019 12:52 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 108-67-8 | 1,3,5-Trimethylbenzene | ND | | ug/m³ | 0.78 | 1.596 | EPA TO-15 | 07/09/2019 07:00 | 07/09/2019 12:52 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 106-99-0 | 1,3-Butadiene | ND | | ug/m³ | 1.1 | 1.596 | EPA TO-15 | 07/09/2019 07:00 | 07/09/2019 12:52 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | ug/m³ | 0.96 | 1.596 | EPA TO-15 | 07/09/2019 07:00 | 07/09/2019 12:52 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 142-28-9 | * 1,3-Dichloropropane | ND | | ug/m³ | 0.74 | 1.596 | EPA TO-15 | 07/09/2019 07:00 | 07/09/2019 12:52 | AS |
| | | | | | | | Certifications: | | | |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | ug/m³ | 0.96 | 1.596 | EPA TO-15 | 07/09/2019 07:00 | 07/09/2019 12:52 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 123-91-1 | 1,4-Dioxane | ND | | ug/m³ | 1.2 | 1.596 | EPA TO-15 | 07/09/2019 07:00 | 07/09/2019 12:52 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 78-93-3 | 2-Butanone | ND | | ug/m³ | 0.47 | 1.596 | EPA TO-15 | 07/09/2019 07:00 | 07/09/2019 12:52 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 591-78-6 | * 2-Hexanone | ND | | ug/m³ | 1.3 | 1.596 | EPA TO-15 | 07/09/2019 07:00 | 07/09/2019 12:52 | AS |
| | | | | | | | Certifications: | | | |
| 107-05-1 | 3-Chloropropene | ND | | ug/m³ | 2.5 | 1.596 | EPA TO-15 | 07/09/2019 07:00 | 07/09/2019 12:52 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 108-10-1 | 4-Methyl-2-pentanone | ND | | ug/m³ | 0.65 | 1.596 | EPA TO-15 | 07/09/2019 07:00 | 07/09/2019 12:52 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 67-64-1 | **Acetone** | **3.2** | | ug/m³ | 0.76 | 1.596 | EPA TO-15 | 07/09/2019 07:00 | 07/09/2019 12:52 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 107-13-1 | Acrylonitrile | ND | | ug/m³ | 0.35 | 1.596 | EPA TO-15 | 07/09/2019 07:00 | 07/09/2019 12:52 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 71-43-2 | Benzene | ND | | ug/m³ | 0.51 | 1.596 | EPA TO-15 | 07/09/2019 07:00 | 07/09/2019 12:52 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 100-44-7 | Benzyl chloride | ND | | ug/m³ | 0.83 | 1.596 | EPA TO-15 | 07/09/2019 07:00 | 07/09/2019 12:52 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 75-27-4 | Bromodichloromethane | ND | | ug/m³ | 1.1 | 1.596 | EPA TO-15 | 07/09/2019 07:00 | 07/09/2019 12:52 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 75-25-2 | Bromoform | ND | | ug/m³ | 1.6 | 1.596 | EPA TO-15 | 07/09/2019 07:00 | 07/09/2019 12:52 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 74-83-9 | Bromomethane | ND | | ug/m³ | 0.62 | 1.596 | EPA TO-15 | 07/09/2019 07:00 | 07/09/2019 12:52 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 75-15-0 | Carbon disulfide | ND | | ug/m³ | 0.50 | 1.596 | EPA TO-15 | 07/09/2019 07:00 | 07/09/2019 12:52 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 56-23-5 | **Carbon tetrachloride** | **0.90** | | ug/m³ | 0.25 | 1.596 | EPA TO-15 | 07/09/2019 07:00 | 07/09/2019 12:52 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 108-90-7 | Chlorobenzene | ND | | ug/m³ | 0.73 | 1.596 | EPA TO-15 | 07/09/2019 07:00 | 07/09/2019 12:52 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |

## Sample Information

**Client Sample ID:** **SV-2** **York Sample ID:** **19F1188-02**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F1188 | 190050 1036 Manhattan Ave. | Air | June 26, 2019 9:32 am | 06/28/2019 |

**Volatile Organics, EPA TO15 Full List** **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 75-00-3 | Chloroethane | ND | | ug/m³ | 0.42 | 1.596 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 12:52 | AS |
| 67-66-3 | **Chloroform** | **1.2** | | ug/m³ | 0.78 | 1.596 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 12:52 | AS |
| 74-87-3 | Chloromethane | ND | | ug/m³ | 0.33 | 1.596 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 12:52 | AS |
| 156-59-2 | cis-1,2-Dichloroethylene | ND | | ug/m³ | 0.16 | 1.596 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 12:52 | AS |
| 10061-01-5 | cis-1,3-Dichloropropylene | ND | | ug/m³ | 0.72 | 1.596 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 12:52 | AS |
| 110-82-7 | Cyclohexane | ND | | ug/m³ | 0.55 | 1.596 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 12:52 | AS |
| 124-48-1 | Dibromochloromethane | ND | | ug/m³ | 1.4 | 1.596 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 12:52 | AS |
| 75-71-8 | **Dichlorodifluoromethane** | **1.7** | | ug/m³ | 0.79 | 1.596 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 12:52 | AS |
| 141-78-6 | * Ethyl acetate | ND | | ug/m³ | 1.2 | 1.596 | EPA TO-15 Certifications: | 07/09/2019 07:00 | 07/09/2019 12:52 | AS |
| 100-41-4 | Ethyl Benzene | ND | | ug/m³ | 0.69 | 1.596 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 12:52 | AS |
| 87-68-3 | Hexachlorobutadiene | ND | | ug/m³ | 1.7 | 1.596 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 12:52 | AS |
| 67-63-0 | Isopropanol | ND | | ug/m³ | 0.78 | 1.596 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 12:52 | AS |
| 80-62-6 | Methyl Methacrylate | ND | | ug/m³ | 0.65 | 1.596 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 12:52 | AS |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | | ug/m³ | 0.58 | 1.596 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 12:52 | AS |
| 75-09-2 | **Methylene chloride** | **4.9** | | ug/m³ | 1.1 | 1.596 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 12:52 | AS |
| 142-82-5 | n-Heptane | ND | | ug/m³ | 0.65 | 1.596 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 12:52 | AS |
| 110-54-3 | n-Hexane | ND | | ug/m³ | 0.56 | 1.596 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 12:52 | AS |
| 95-47-6 | **o-Xylene** | **0.76** | | ug/m³ | 0.69 | 1.596 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 12:52 | AS |
| 179601-23-1 | **p- & m- Xylenes** | **1.6** | | ug/m³ | 1.4 | 1.596 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 12:52 | AS |
| 622-96-8 | * p-Ethyltoluene | ND | | ug/m³ | 0.78 | 1.596 | EPA TO-15 Certifications: | 07/09/2019 07:00 | 07/09/2019 12:52 | AS |
| 115-07-1 | *** Propylene** | **1.6** | | ug/m³ | 0.27 | 1.596 | EPA TO-15 Certifications: | 07/09/2019 07:00 | 07/09/2019 12:52 | AS |
| 100-42-5 | **Styrene** | **1.6** | | ug/m³ | 0.68 | 1.596 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 12:52 | AS |

## Sample Information

**Client Sample ID:** SV-2 **York Sample ID:** 19F1188-02

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F1188 | 190050 1036 Manhattan Ave. | Air | June 26, 2019 9:32 am | 06/28/2019 |

**Volatile Organics, EPA TO15 Full List** **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 127-18-4 | Tetrachloroethylene | ND | | ug/m³ | 0.27 | 1.596 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 12:52 | AS |
| 109-99-9 | * Tetrahydrofuran | ND | | ug/m³ | 0.94 | 1.596 | EPA TO-15 Certifications: | 07/09/2019 07:00 | 07/09/2019 12:52 | AS |
| 108-88-3 | **Toluene** | **3.0** | | ug/m³ | 0.60 | 1.596 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 12:52 | AS |
| 156-60-5 | trans-1,2-Dichloroethylene | ND | | ug/m³ | 0.63 | 1.596 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 12:52 | AS |
| 10061-02-6 | trans-1,3-Dichloropropylene | ND | | ug/m³ | 0.72 | 1.596 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 12:52 | AS |
| 79-01-6 | Trichloroethylene | ND | | ug/m³ | 0.21 | 1.596 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 12:52 | AS |
| 75-69-4 | **Trichlorofluoromethane (Freon 11)** | **1.3** | | ug/m³ | 0.90 | 1.596 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 12:52 | AS |
| 108-05-4 | Vinyl acetate | ND | | ug/m³ | 0.56 | 1.596 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 12:52 | AS |
| 593-60-2 | Vinyl bromide | ND | | ug/m³ | 0.70 | 1.596 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 12:52 | AS |
| 75-01-4 | Vinyl Chloride | ND | | ug/m³ | 0.10 | 1.596 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 12:52 | AS |

| | Surrogate Recoveries | Result | Acceptance Range |
|---|---|---|---|
| 460-00-4 | *Surrogate: SURR: p-Bromofluorobenzene* | *105 %* | *70-130* |

## Sample Information

**Client Sample ID:** SV-3 **York Sample ID:** 19F1188-03

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F1188 | 190050 1036 Manhattan Ave. | Air | June 26, 2019 10:24 am | 06/28/2019 |

**Volatile Organics, EPA TO15 Full List** **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 630-20-6 | * 1,1,1,2-Tetrachloroethane | ND | | ug/m³ | 1.4 | 1.999 | EPA TO-15 Certifications: | 07/09/2019 07:00 | 07/09/2019 13:44 | AS |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | ug/m³ | 1.1 | 1.999 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 13:44 | AS |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | ug/m³ | 1.4 | 1.999 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 13:44 | AS |

## Sample Information

**Client Sample ID:** **SV-3** **York Sample ID:** **19F1188-03**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F1188 | 190050 1036 Manhattan Ave. | Air | June 26, 2019 10:24 am | 06/28/2019 |

**Volatile Organics, EPA TO15 Full List** **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | | ug/m³ | 1.5 | 1.999 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 13:44 | AS |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | ug/m³ | 1.1 | 1.999 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 13:44 | AS |
| 75-34-3 | 1,1-Dichloroethane | ND | | ug/m³ | 0.81 | 1.999 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 13:44 | AS |
| 75-35-4 | 1,1-Dichloroethylene | ND | | ug/m³ | 0.20 | 1.999 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 13:44 | AS |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | ug/m³ | 1.5 | 1.999 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 13:44 | AS |
| 95-63-6 | **1,2,4-Trimethylbenzene** | **3.5** | | ug/m³ | 0.98 | 1.999 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 13:44 | AS |
| 106-93-4 | 1,2-Dibromoethane | ND | | ug/m³ | 1.5 | 1.999 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 13:44 | AS |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | ug/m³ | 1.2 | 1.999 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 13:44 | AS |
| 107-06-2 | 1,2-Dichloroethane | ND | | ug/m³ | 0.81 | 1.999 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 13:44 | AS |
| 78-87-5 | 1,2-Dichloropropane | ND | | ug/m³ | 0.92 | 1.999 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 13:44 | AS |
| 76-14-2 | 1,2-Dichlorotetrafluoroethane | ND | | ug/m³ | 1.4 | 1.999 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 13:44 | AS |
| 108-67-8 | **1,3,5-Trimethylbenzene** | **1.2** | | ug/m³ | 0.98 | 1.999 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 13:44 | AS |
| 106-99-0 | 1,3-Butadiene | ND | | ug/m³ | 1.3 | 1.999 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 13:44 | AS |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | ug/m³ | 1.2 | 1.999 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 13:44 | AS |
| 142-28-9 | * 1,3-Dichloropropane | ND | | ug/m³ | 0.92 | 1.999 | EPA TO-15 Certifications: | 07/09/2019 07:00 | 07/09/2019 13:44 | AS |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | ug/m³ | 1.2 | 1.999 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 13:44 | AS |
| 123-91-1 | 1,4-Dioxane | ND | | ug/m³ | 1.4 | 1.999 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 13:44 | AS |
| 78-93-3 | **2-Butanone** | **2.2** | | ug/m³ | 0.59 | 1.999 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 13:44 | AS |
| 591-78-6 | * 2-Hexanone | ND | | ug/m³ | 1.6 | 1.999 | EPA TO-15 Certifications: | 07/09/2019 07:00 | 07/09/2019 13:44 | AS |
| 107-05-1 | 3-Chloropropene | ND | | ug/m³ | 3.1 | 1.999 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 13:44 | AS |
| 108-10-1 | 4-Methyl-2-pentanone | ND | | ug/m³ | 0.82 | 1.999 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 13:44 | AS |
| 67-64-1 | **Acetone** | **16** | | ug/m³ | 0.95 | 1.999 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 13:44 | AS |

## Sample Information

**Client Sample ID:** **SV-3** **York Sample ID:** **19F1188-03**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F1188 | 190050 1036 Manhattan Ave. | Air | June 26, 2019 10:24 am | 06/28/2019 |

**Volatile Organics, EPA TO15 Full List** **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 107-13-1 | Acrylonitrile | ND | | ug/m³ | 0.43 | 1.999 | EPA TO-15 | 07/09/2019 07:00 | 07/09/2019 13:44 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 71-43-2 | Benzene | ND | | ug/m³ | 0.64 | 1.999 | EPA TO-15 | 07/09/2019 07:00 | 07/09/2019 13:44 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 100-44-7 | Benzyl chloride | ND | | ug/m³ | 1.0 | 1.999 | EPA TO-15 | 07/09/2019 07:00 | 07/09/2019 13:44 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 75-27-4 | Bromodichloromethane | ND | | ug/m³ | 1.3 | 1.999 | EPA TO-15 | 07/09/2019 07:00 | 07/09/2019 13:44 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 75-25-2 | Bromoform | ND | | ug/m³ | 2.1 | 1.999 | EPA TO-15 | 07/09/2019 07:00 | 07/09/2019 13:44 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 74-83-9 | Bromomethane | ND | | ug/m³ | 0.78 | 1.999 | EPA TO-15 | 07/09/2019 07:00 | 07/09/2019 13:44 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 75-15-0 | Carbon disulfide | ND | | ug/m³ | 0.62 | 1.999 | EPA TO-15 | 07/09/2019 07:00 | 07/09/2019 13:44 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 56-23-5 | **Carbon tetrachloride** | **0.50** | | ug/m³ | 0.31 | 1.999 | EPA TO-15 | 07/09/2019 07:00 | 07/09/2019 13:44 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 108-90-7 | Chlorobenzene | ND | | ug/m³ | 0.92 | 1.999 | EPA TO-15 | 07/09/2019 07:00 | 07/09/2019 13:44 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 75-00-3 | Chloroethane | ND | | ug/m³ | 0.53 | 1.999 | EPA TO-15 | 07/09/2019 07:00 | 07/09/2019 13:44 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 67-66-3 | **Chloroform** | **1.1** | | ug/m³ | 0.98 | 1.999 | EPA TO-15 | 07/09/2019 07:00 | 07/09/2019 13:44 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 74-87-3 | **Chloromethane** | **1.1** | | ug/m³ | 0.41 | 1.999 | EPA TO-15 | 07/09/2019 07:00 | 07/09/2019 13:44 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 156-59-2 | cis-1,2-Dichloroethylene | ND | | ug/m³ | 0.20 | 1.999 | EPA TO-15 | 07/09/2019 07:00 | 07/09/2019 13:44 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 10061-01-5 | cis-1,3-Dichloropropylene | ND | | ug/m³ | 0.91 | 1.999 | EPA TO-15 | 07/09/2019 07:00 | 07/09/2019 13:44 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 110-82-7 | Cyclohexane | ND | | ug/m³ | 0.69 | 1.999 | EPA TO-15 | 07/09/2019 07:00 | 07/09/2019 13:44 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 124-48-1 | Dibromochloromethane | ND | | ug/m³ | 1.7 | 1.999 | EPA TO-15 | 07/09/2019 07:00 | 07/09/2019 13:44 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 75-71-8 | **Dichlorodifluoromethane** | **3.6** | | ug/m³ | 0.99 | 1.999 | EPA TO-15 | 07/09/2019 07:00 | 07/09/2019 13:44 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 141-78-6 | * Ethyl acetate | ND | | ug/m³ | 1.4 | 1.999 | EPA TO-15 | 07/09/2019 07:00 | 07/09/2019 13:44 | AS |
| | | | | | | | Certifications: | | | |
| 100-41-4 | **Ethyl Benzene** | **2.0** | | ug/m³ | 0.87 | 1.999 | EPA TO-15 | 07/09/2019 07:00 | 07/09/2019 13:44 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 87-68-3 | Hexachlorobutadiene | ND | | ug/m³ | 2.1 | 1.999 | EPA TO-15 | 07/09/2019 07:00 | 07/09/2019 13:44 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 67-63-0 | **Isopropanol** | **1.8** | | ug/m³ | 0.98 | 1.999 | EPA TO-15 | 07/09/2019 07:00 | 07/09/2019 13:44 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 80-62-6 | Methyl Methacrylate | ND | | ug/m³ | 0.82 | 1.999 | EPA TO-15 | 07/09/2019 07:00 | 07/09/2019 13:44 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |

## Sample Information

**Client Sample ID:** **SV-3** **York Sample ID:** **19F1188-03**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F1188 | 190050 1036 Manhattan Ave. | Air | June 26, 2019 10:24 am | 06/28/2019 |

**Volatile Organics, EPA TO15 Full List** **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | | ug/m³ | 0.72 | 1.999 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 13:44 | AS |
| 75-09-2 | **Methylene chloride** | **3.9** | | ug/m³ | 1.4 | 1.999 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 13:44 | AS |
| 142-82-5 | n-Heptane | ND | | ug/m³ | 0.82 | 1.999 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 13:44 | AS |
| 110-54-3 | **n-Hexane** | **0.92** | | ug/m³ | 0.70 | 1.999 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 13:44 | AS |
| 95-47-6 | **o-Xylene** | **2.6** | | ug/m³ | 0.87 | 1.999 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 13:44 | AS |
| 179601-23-1 | **p- & m- Xylenes** | **7.3** | | ug/m³ | 1.7 | 1.999 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 13:44 | AS |
| 622-96-8 | *** p-Ethyltoluene** | **2.7** | | ug/m³ | 0.98 | 1.999 | EPA TO-15 Certifications: | 07/09/2019 07:00 | 07/09/2019 13:44 | AS |
| 115-07-1 | * Propylene | ND | | ug/m³ | 0.34 | 1.999 | EPA TO-15 Certifications: | 07/09/2019 07:00 | 07/09/2019 13:44 | AS |
| 100-42-5 | Styrene | ND | | ug/m³ | 0.85 | 1.999 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 13:44 | AS |
| 127-18-4 | Tetrachloroethylene | ND | | ug/m³ | 0.34 | 1.999 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 13:44 | AS |
| 109-99-9 | * Tetrahydrofuran | ND | | ug/m³ | 1.2 | 1.999 | EPA TO-15 Certifications: | 07/09/2019 07:00 | 07/09/2019 13:44 | AS |
| 108-88-3 | **Toluene** | **12** | | ug/m³ | 0.75 | 1.999 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 13:44 | AS |
| 156-60-5 | trans-1,2-Dichloroethylene | ND | | ug/m³ | 0.79 | 1.999 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 13:44 | AS |
| 10061-02-6 | trans-1,3-Dichloropropylene | ND | | ug/m³ | 0.91 | 1.999 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 13:44 | AS |
| 79-01-6 | Trichloroethylene | ND | | ug/m³ | 0.27 | 1.999 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 13:44 | AS |
| 75-69-4 | **Trichlorofluoromethane (Freon 11)** | **1.2** | | ug/m³ | 1.1 | 1.999 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 13:44 | AS |
| 108-05-4 | Vinyl acetate | ND | | ug/m³ | 0.70 | 1.999 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 13:44 | AS |
| 593-60-2 | Vinyl bromide | ND | | ug/m³ | 0.87 | 1.999 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 13:44 | AS |
| 75-01-4 | Vinyl Chloride | ND | | ug/m³ | 0.13 | 1.999 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 13:44 | AS |

| | Surrogate Recoveries | Result | Acceptance Range |
|---|---|---|---|
| 460-00-4 | *Surrogate: SURR: p-Bromofluorobenzene* | *104 %* | *70-130* |

## Sample Information

**Client Sample ID:** **SV-4** **York Sample ID:** **19F1188-04**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F1188 | 190050 1036 Manhattan Ave. | Air | June 26, 2019 10:30 am | 06/28/2019 |

**Volatile Organics, EPA TO15 Full List** **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 630-20-6 | * 1,1,1,2-Tetrachloroethane | ND | | ug/m³ | 3.3 | 4.814 | EPA TO-15 Certifications: | 07/09/2019 07:00 | 07/09/2019 14:33 | AS |
| 71-55-6 | 1,1,1-Trichloroethane | ND | | ug/m³ | 2.6 | 4.814 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 14:33 | AS |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | ND | | ug/m³ | 3.3 | 4.814 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 14:33 | AS |
| 76-13-1 | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | ND | | ug/m³ | 3.7 | 4.814 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 14:33 | AS |
| 79-00-5 | 1,1,2-Trichloroethane | ND | | ug/m³ | 2.6 | 4.814 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 14:33 | AS |
| 75-34-3 | 1,1-Dichloroethane | ND | | ug/m³ | 1.9 | 4.814 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 14:33 | AS |
| 75-35-4 | 1,1-Dichloroethylene | ND | | ug/m³ | 0.48 | 4.814 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 14:33 | AS |
| 120-82-1 | 1,2,4-Trichlorobenzene | ND | | ug/m³ | 3.6 | 4.814 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 14:33 | AS |
| 95-63-6 | **1,2,4-Trimethylbenzene** | **17** | | ug/m³ | 2.4 | 4.814 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 14:33 | AS |
| 106-93-4 | 1,2-Dibromoethane | ND | | ug/m³ | 3.7 | 4.814 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 14:33 | AS |
| 95-50-1 | 1,2-Dichlorobenzene | ND | | ug/m³ | 2.9 | 4.814 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 14:33 | AS |
| 107-06-2 | 1,2-Dichloroethane | ND | | ug/m³ | 1.9 | 4.814 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 14:33 | AS |
| 78-87-5 | 1,2-Dichloropropane | ND | | ug/m³ | 2.2 | 4.814 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 14:33 | AS |
| 76-14-2 | 1,2-Dichlorotetrafluoroethane | ND | | ug/m³ | 3.4 | 4.814 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 14:33 | AS |
| 108-67-8 | **1,3,5-Trimethylbenzene** | **5.0** | | ug/m³ | 2.4 | 4.814 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 14:33 | AS |
| 106-99-0 | 1,3-Butadiene | ND | | ug/m³ | 3.2 | 4.814 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 14:33 | AS |
| 541-73-1 | 1,3-Dichlorobenzene | ND | | ug/m³ | 2.9 | 4.814 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 14:33 | AS |
| 142-28-9 | * 1,3-Dichloropropane | ND | | ug/m³ | 2.2 | 4.814 | EPA TO-15 Certifications: | 07/09/2019 07:00 | 07/09/2019 14:33 | AS |
| 106-46-7 | 1,4-Dichlorobenzene | ND | | ug/m³ | 2.9 | 4.814 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 14:33 | AS |
| 123-91-1 | 1,4-Dioxane | ND | | ug/m³ | 3.5 | 4.814 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 14:33 | AS |
| 78-93-3 | **2-Butanone** | **30** | | ug/m³ | 1.4 | 4.814 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 14:33 | AS |
| 591-78-6 | *** 2-Hexanone** | **17** | | ug/m³ | 3.9 | 4.814 | EPA TO-15 Certifications: | 07/09/2019 07:00 | 07/09/2019 14:33 | AS |

## Sample Information

**Client Sample ID:** **SV-4** **York Sample ID:** **19F1188-04**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F1188 | 190050 1036 Manhattan Ave. | Air | June 26, 2019 10:30 am | 06/28/2019 |

**Volatile Organics, EPA TO15 Full List** **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 107-05-1 | 3-Chloropropene | ND | | ug/m³ | 7.5 | 4.814 | EPA TO-15 | 07/09/2019 07:00 | 07/09/2019 14:33 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 108-10-1 | 4-Methyl-2-pentanone | ND | | ug/m³ | 2.0 | 4.814 | EPA TO-15 | 07/09/2019 07:00 | 07/09/2019 14:33 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 67-64-1 | **Acetone** | **140** | | ug/m³ | 2.3 | 4.814 | EPA TO-15 | 07/09/2019 07:00 | 07/09/2019 14:33 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 107-13-1 | Acrylonitrile | ND | | ug/m³ | 1.0 | 4.814 | EPA TO-15 | 07/09/2019 07:00 | 07/09/2019 14:33 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 71-43-2 | **Benzene** | **3.7** | | ug/m³ | 1.5 | 4.814 | EPA TO-15 | 07/09/2019 07:00 | 07/09/2019 14:33 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 100-44-7 | Benzyl chloride | ND | | ug/m³ | 2.5 | 4.814 | EPA TO-15 | 07/09/2019 07:00 | 07/09/2019 14:33 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 75-27-4 | Bromodichloromethane | ND | | ug/m³ | 3.2 | 4.814 | EPA TO-15 | 07/09/2019 07:00 | 07/09/2019 14:33 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 75-25-2 | Bromoform | ND | | ug/m³ | 5.0 | 4.814 | EPA TO-15 | 07/09/2019 07:00 | 07/09/2019 14:33 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 74-83-9 | Bromomethane | ND | | ug/m³ | 1.9 | 4.814 | EPA TO-15 | 07/09/2019 07:00 | 07/09/2019 14:33 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 75-15-0 | **Carbon disulfide** | **1.5** | | ug/m³ | 1.5 | 4.814 | EPA TO-15 | 07/09/2019 07:00 | 07/09/2019 14:33 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 56-23-5 | Carbon tetrachloride | ND | | ug/m³ | 0.76 | 4.814 | EPA TO-15 | 07/09/2019 07:00 | 07/09/2019 14:33 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 108-90-7 | Chlorobenzene | ND | | ug/m³ | 2.2 | 4.814 | EPA TO-15 | 07/09/2019 07:00 | 07/09/2019 14:33 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 75-00-3 | Chloroethane | ND | | ug/m³ | 1.3 | 4.814 | EPA TO-15 | 07/09/2019 07:00 | 07/09/2019 14:33 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 67-66-3 | **Chloroform** | **6.3** | | ug/m³ | 2.4 | 4.814 | EPA TO-15 | 07/09/2019 07:00 | 07/09/2019 14:33 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 74-87-3 | Chloromethane | ND | | ug/m³ | 0.99 | 4.814 | EPA TO-15 | 07/09/2019 07:00 | 07/09/2019 14:33 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 156-59-2 | cis-1,2-Dichloroethylene | ND | | ug/m³ | 0.48 | 4.814 | EPA TO-15 | 07/09/2019 07:00 | 07/09/2019 14:33 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 10061-01-5 | cis-1,3-Dichloropropylene | ND | | ug/m³ | 2.2 | 4.814 | EPA TO-15 | 07/09/2019 07:00 | 07/09/2019 14:33 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 110-82-7 | **Cyclohexane** | **3.3** | | ug/m³ | 1.7 | 4.814 | EPA TO-15 | 07/09/2019 07:00 | 07/09/2019 14:33 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 124-48-1 | Dibromochloromethane | ND | | ug/m³ | 4.1 | 4.814 | EPA TO-15 | 07/09/2019 07:00 | 07/09/2019 14:33 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 75-71-8 | **Dichlorodifluoromethane** | **3.8** | | ug/m³ | 2.4 | 4.814 | EPA TO-15 | 07/09/2019 07:00 | 07/09/2019 14:33 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |
| 141-78-6 | * Ethyl acetate | ND | | ug/m³ | 3.5 | 4.814 | EPA TO-15 | 07/09/2019 07:00 | 07/09/2019 14:33 | AS |
| | | | | | | | Certifications: | | | |
| 100-41-4 | **Ethyl Benzene** | **10** | | ug/m³ | 2.1 | 4.814 | EPA TO-15 | 07/09/2019 07:00 | 07/09/2019 14:33 | AS |
| | | | | | | | Certifications: | NELAC-NY12058,NJDEP-Queens | | |

## Sample Information

**Client Sample ID:** **SV-4** **York Sample ID:** **19F1188-04**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F1188 | 190050 1036 Manhattan Ave. | Air | June 26, 2019 10:30 am | 06/28/2019 |

**Volatile Organics, EPA TO15 Full List** **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| 87-68-3 | Hexachlorobutadiene | ND | | ug/m³ | 5.1 | 4.814 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 14:33 | AS |
| 67-63-0 | **Isopropanol** | **4.7** | | ug/m³ | 2.4 | 4.814 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 14:33 | AS |
| 80-62-6 | Methyl Methacrylate | ND | | ug/m³ | 2.0 | 4.814 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 14:33 | AS |
| 1634-04-4 | Methyl tert-butyl ether (MTBE) | ND | | ug/m³ | 1.7 | 4.814 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 14:33 | AS |
| 75-09-2 | Methylene chloride | ND | | ug/m³ | 3.3 | 4.814 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 14:33 | AS |
| 142-82-5 | **n-Heptane** | **16** | | ug/m³ | 2.0 | 4.814 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 14:33 | AS |
| 110-54-3 | **n-Hexane** | **9.7** | | ug/m³ | 1.7 | 4.814 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 14:33 | AS |
| 95-47-6 | **o-Xylene** | **15** | | ug/m³ | 2.1 | 4.814 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 14:33 | AS |
| 179601-23-1 | **p- & m- Xylenes** | **39** | | ug/m³ | 4.2 | 4.814 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 14:33 | AS |
| 622-96-8 | *** p-Ethyltoluene** | **15** | | ug/m³ | 2.4 | 4.814 | EPA TO-15 Certifications: | 07/09/2019 07:00 | 07/09/2019 14:33 | AS |
| 115-07-1 | * Propylene | ND | | ug/m³ | 0.83 | 4.814 | EPA TO-15 Certifications: | 07/09/2019 07:00 | 07/09/2019 14:33 | AS |
| 100-42-5 | **Styrene** | **2.9** | | ug/m³ | 2.1 | 4.814 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 14:33 | AS |
| 127-18-4 | **Tetrachloroethylene** | **94** | | ug/m³ | 0.82 | 4.814 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 14:33 | AS |
| 109-99-9 | * Tetrahydrofuran | ND | | ug/m³ | 2.8 | 4.814 | EPA TO-15 Certifications: | 07/09/2019 07:00 | 07/09/2019 14:33 | AS |
| 108-88-3 | **Toluene** | **45** | | ug/m³ | 1.8 | 4.814 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 14:33 | AS |
| 156-60-5 | trans-1,2-Dichloroethylene | ND | | ug/m³ | 1.9 | 4.814 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 14:33 | AS |
| 10061-02-6 | trans-1,3-Dichloropropylene | ND | | ug/m³ | 2.2 | 4.814 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 14:33 | AS |
| 79-01-6 | **Trichloroethylene** | **4.7** | | ug/m³ | 0.65 | 4.814 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 14:33 | AS |
| 75-69-4 | Trichlorofluoromethane (Freon 11) | ND | | ug/m³ | 2.7 | 4.814 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 14:33 | AS |
| 108-05-4 | Vinyl acetate | ND | | ug/m³ | 1.7 | 4.814 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 14:33 | AS |
| 593-60-2 | Vinyl bromide | ND | | ug/m³ | 2.1 | 4.814 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 14:33 | AS |
| 75-01-4 | Vinyl Chloride | ND | | ug/m³ | 0.31 | 4.814 | EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens | 07/09/2019 07:00 | 07/09/2019 14:33 | AS |

## Sample Information

**Client Sample ID:** **SV-4** **York Sample ID:** **19F1188-04**

| York Project (SDG) No. | Client Project ID | Matrix | Collection Date/Time | Date Received |
|---|---|---|---|---|
| 19F1188 | 190050 1036 Manhattan Ave. | Air | June 26, 2019 10:30 am | 06/28/2019 |

**Volatile Organics, EPA TO15 Full List** **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

| CAS No. | Parameter | Result | Flag | Units | Reported to LOQ | Dilution | Reference Method | Date/Time Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|---|
| | **Surrogate Recoveries** | **Result** | | **Acceptance Range** | | | | | | |
| 460-00-4 | *Surrogate: SURR: p-Bromofluorobenzene* | *114 %* | | *70-130* | | | | | | |

## 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.

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132-02 89th Ave Queens, NY 11418
clientservices@yorklab.com
www.yorklab.com

# Field Chain-of-Custody Record - AIR

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. 19F1188

Page ____ of ____

| YOUR Information | Report To: | Invoice To: | YOUR Project Number | Turn-Around Time |
|---|---|---|---|---|
| Company: Tauchstone | Company: Tauchstone | Company: Tauchstone | 190050 | RUSH - Next Day |
| Address: | Address: | Address: | YOUR Project Name: 1036 Manhattan Ave | RUSH - Two Day |
| Phone: | Phone: | Phone: | | RUSH - Three Day |
| Contact: | Contact: | Contact: | | RUSH - Four Day |
| E-mail: | E-mail: | E-mail: | YOUR PO#: | Standard (5-7 Day) |

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

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

| Air Matrix Codes | Samples From | Report / EDD Type (circle selections) | | | YORK Reg. Comp. |
|---|---|---|---|---|---|
| AI - Indoor Ambient Air | New York | Summary Report | CT RCP | Standard Excel EDD | Compared to the following Regulation(s): (please list) |
| AO - Outdoor Amb. Air | New Jersey | QA Report | CT RCP DQA/DUE | EQuIS (Standard) | |
| AE - Vapor Extraction Well Process Gas/Effluent | Connecticut | NY ASP A Package | NJDEP Reduced Deliv. | NYSDEC EQuIS | |
| | Pennsylvania | NY ASP B Package | NJDKQP | NJDEP SRP HazSite | |
| AS - Soil Vapor/Sub-Slab | Other | Other | | | |

**Certified Canisters:** Batch ___ Individual ___

**Please enter the following REQUIRED Field Data**

**Reporting Units:** ug/m³ ___ ppbv ___ ppmv ___

| Sample Identification | Date/Time Sampled | Air Matrix | Canister Vacuum Before Sampling (in Hg) | Canister Vacuum After Sampling (in Hg) | Canister ID | Flow Cont. ID | Analysis Requested |
|---|---|---|---|---|---|---|---|
| SV-1 | 6/26 9:20 | | -30 | -9 | 18315 | 5612 | TO-15 |
| SV-2 | 6/26 9:32 | | -30 | -9 | 20309 | 5117 | TO-15 |
| SV-3 | 6/26 10:24 | | -30 | -12 | 18293 | 7085 | TO-15 |
| SV-4 | 6/26 10:30 | | -30 | -15 | 20849 | 428 | TO-15 |

**Comments:**

**Detection Limits Required**: ≤ 1 ug/m³ ___ NYSDEC V1 Limits ___ Routine Survey ___ Other ___

**Sampling Media**: 6 Liter Canister ☐ Tedlar Bag ☐

| Samples Relinquished by / Company | Date/Time | Samples Received by / Company | Date/Time | Samples Relinquished by / Company | Date/Time |
|---|---|---|---|---|---|
| [signature] | 6/28/19 1050am | [signature] | 6/28/19 1050am | [signature] | 6/28/19 1642 |
| Samples Received by / Company | Date/Time | Samples Relinquished by / Company | Date/Time | Samples Received by / Company | Date/Time |
| J. Gale / YORK | 6-28-19/1642 | J. Gale / YORK | 6-28-19/1946 | Tom A / Tauch | 6-28-19 1946 |
| Samples Relinquished by / Company | Date/Time | Samples Received by / Company | Date/Time | Samples Received in Lab by | Date/Time |
| Tom A / Tauch | Lab Secure 6/28/19 | | | Alene H Schuck | 7/1/19 11:00 |