



Environmental Building Solutions, LLC

LIMITED PHASE II ENVIRONMENTAL SITE INVESTIGATION AT:

**Commercial Property
2840 Atlantic Avenue
Brooklyn, New York 11207**

Prepared for:

LSC Development, LLC
777 Lake Zurich Road, #200
Barrington, IL 60010

Prepared by:

Environmental Building Solutions, LLC
494 Eighth Avenue, Suite 1403
New York, New York 10001

EBS Project ID #: 161280

JULY, 2016

TABLE OF CONTENTS

1.0	INTRODUCTION	1
1.1	BACKGROUND	1
1.2	PURPOSE	1
1.3	LIMITATIONS	1
2.0	PHYSICAL SITE SETTING.....	3
2.1	TOPOGRAPHY	3
2.2	GEOLOGY	4
2.3	HYDROGEOLOGY	4
3.0	SCOPE OF WORK	5
4.0	SITE INVESTIGATION.....	6
4.1	GEOPHYSICAL SURVEY	6
4.2	SOIL BORING SAMPLING.....	7
4.2.1	Soil Boring Sampling Results	9
4.3	GROUNDWATER SAMPLING	9
4.3.1	Groundwater Sampling Results.....	10
4.4	SOIL VAPOR SAMPLING.....	10
4.4.1	Soil Vapor Sampling Results.....	11
4.5	SOIL/GROUNDWATER IMPACTS DELINEATION	12
5.0	CONCLUSIONS AND RECOMMENDATIONS	14
6.0	SIGNATURES OF ENVIRONMENTAL PROFESSIONALS.....	17

FIGURES:

- Figure 1: Site Vicinity Map (Topographic Quadrangle Map)
Figure 2: Site Plan with Soil Boring/Sample Locations
Figure 3: Site Plan with UVOST/TPH Sample Locations

TABLES:

- Table 1: Summary of Soil Boring Analytical Data
Table 2: Summary of Groundwater Analytical Data
Table 3: Summary of Soil Vapor Analytical Data

APPENDICES:

- Appendix A: Soil Boring Logs
Appendix B: Geophysical Survey Report
Appendix C: Photograph Documentation
Appendix D: Laboratory Analytical Reports
Appendix E: NYSDOH Soil Vapor Matrices

1.0 INTRODUCTION

Environmental Building Solutions, LLC (EBS) has prepared this Limited Phase II Environmental Site Investigation (ESI) for LSC Development, LLC (LSC) for the commercial property located at 2840 Atlantic Avenue, Brooklyn, New York (hereafter referred to as the “Property”).

1.1 Background

Based on the findings of a Phase I Environmental Site Assessment (ESA) prepared for the Property by Hillmann Consulting, LLC (Hillmann), dated January 21, 2016, recognized environmental conditions (RECs) were noted. Hillmann recommended a Phase II ESI for the identified RECs as follows:

- The Property has been used for industrial manufacturing purposes since the early 20th century.
- The Property is used for the manufacture of plastics and floor tiles. An active groundwater production well is utilized.
- Adjoining filling station site at 2880 Atlantic Ave has an open NY SPILL case.
- Numerous old and deteriorating drums and other containers were noted, mostly in the basement, with the labeling obscured or illegible. An inactive 275-gallon AST of unknown content was also noted in the basement.
- Historic fire insurance map from 1951 depicts a gasoline UST on Lot 4.
- Dark staining and an accumulation of wet, dark sediment was noted on the floor within the east side of the 1- story loading dock portion of the facility. The source/content of the sediment was not apparent; although it was observed underneath and adjacent to the hydraulic flatbed laminating machine.

1.2 Purpose

LSC retained EBS to conduct a Limited Phase II ESI at the Site in an attempt to determine if the subsurface of the Property has been impacted as a result of the identified RECs discussed above.

1.3 Limitations

During the ESI, several limitations were encountered, including but not limited to the following:

- A portion of the Property (northern building along Atlantic Avenue) contains a basement and partial sub-basement, which limited access for equipment during the Phase II ESI and therefore limited sampling locations in these areas.
- A portion of the Property (middle loading dock area) contains a raised floor, which limited access for equipment during the Phase II ESI and therefore limited sampling locations in these areas.
- Due to stored equipment, materials, debris, etc. in various areas of the Property, visual observations/sampling was limited to accessible areas only.
- Based on the thickness (16", approx.) of the concrete slab at the northeast corner of the Property, in the area of the identified leaking hydraulic oil, a subsurface sample was not attainable in this area.

DRAFT

2.0 PHYSICAL SITE SETTING

The Property address is 2840 Atlantic Avenue, Brooklyn, NY 11207. According to information obtained from New York City Department of Buildings website and information provided in the Hillmann Phase I ESA (*italics below*), the Property is identified as Tax Block 3964, Lots 4, 8, & 23. A Site Vicinity Map is shown on Figure 1 and Site Plans on Figures 2 & 3.

The Property consists of three contiguous parcels with an area of approximately 43,050 SF located on the south side of Atlantic Avenue, east side of Schenck Avenue and west side of Barbey Street. Virtually 100% of the Property is covered by buildings and pavement. Lot 8 is improved with the existing industrial facility; Lots 4 and 23 are vacant and paved with asphalt. The Property is located in a dense urban developed area characterized by a mix of industrial, commercial and residential buildings including various retail stores and businesses.

Lot 8 is improved with a three-story industrial factory complex with a partial basement and sub-basement. The facility includes a single-story slab on grade loading dock structure between two 3-story sections of the complex. The basement levels are underneath the northern 3-story portion only. An industrial smokestack is present. The structures were indicated to have a combined area of approximately 76,375 SF.

The existing improvements were constructed beginning circa 1908, expanded to current extents in 1914/1915, and utilized as a dairy and food products manufacturing facility until the mid to late 1970s. From the 1980s to the present, the Property has been utilized primarily as a plastics and floor tile products manufacturing facility. A gasoline UST was present in 1951 on Lot 4. Prior to 1908, the Property was developed with a lumber yard, retail stores and dwellings back to 1887. Adjoining properties appear to have been historically occupied by a mix of commercial, light industrial and residential uses since the late 19th century. A filling station has occupied the adjoining property to the east since the 1960s. An adjoining property to the north was occupied by an auto garage with gasoline USTs since the 1920s.

2.1 Topography

The Site has an average elevation of approximately 42 feet above mean sea level (MSL). The surrounding area has a gentle slope in a general east-southeast direction (Brooklyn, New York, United States Geological Survey (USGS) 7.5-minute topographic quadrangle). A copy of the topographic map is included as Figure 1.

2.2 Geology

Subsurface soils at the Site primarily consisted of brown sands/gravel and silts. Soil lithology associated with the soil borings are summarized in soil boring logs provided in Appendix A.

2.3 Hydrogeology

The USGS Long Island Depth to Water Viewer indicates that the depth to groundwater is approximately 33 to 34 feet bgs at the Property. Based on the drainage/topography of the Property and surrounding area, the inferred direction of groundwater flow appears to be towards the southeast. However, hydro-geologic data indicated by a regulatory database listing for the adjoining property to the east (2880 Atlantic Avenue) suggests a depth to groundwater of 25 to 35 feet below grade, and a groundwater flow direction towards the southwest.

A detailed subsurface investigation of the Property would be needed to accurately determine site specific groundwater data such as depth, gradient and flow direction.

In addition, it should be noted that two (2) industrial groundwater production wells are present on the Property, with one (1) well observed at the northeast corner of the Property and reported to be active. The active well was reported to be used as a source of non-contact cooling water. Depending on the depth of the well, the amount of groundwater pumped and duration of use, the active on-site production well may influence groundwater flow direction.

In addition, it should be noted that local geologic features might cause local groundwater flow direction to differ from the regional flow direction. A complete hydrogeologic investigation would be necessary to determine groundwater flow direction. Estimated groundwater levels and/or flow direction(s) may vary due to seasonal fluctuations in precipitation, local usage demands, geology, underground structures, or de-watering operations. During the Phase II ESI, groundwater depth was noted to be approximately 38 feet below ground surface (bgs).

3.0 SCOPE OF WORK

The scope of work for this Limited Phase II ESI consisted of the following tasks:

- Notifying the appropriate utility locating service (New York State One Call) in advance of any drilling activity.
- A geophysical survey to: (a) assess the potential presence of any abandoned USTs and other subsurface structures, utilities and anomalies and (b) investigate subsurface structures, utilities and anomalies in the areas of the proposed soil boring locations so that they can be avoided during drilling activities
- The advancement of eleven (11) soil borings (SB-1 through SB-11) to a maximum depth of approximately 40 feet bgs. The soil boring locations were based on the results of the geophysical survey and the identified RECs, as Property conditions allowed.
- Visual and olfactory methods of field screening the soil to identify evidence of potential impacts. Additionally, a photo-ionization detector (PID) was used to obtain qualitative measurements of volatile organic vapors.
- The collection and laboratory analyses of 10 soil samples to assess the soil quality for impacts.
- The collection and laboratory analysis of two (2) groundwater samples from SB-1 and SB-5 to assess the groundwater quality for impacts.
- The collection and laboratory analysis of two (2) sub-slab soil vapor samples and one (1) ambient air sample within the Property based on vapor encroachment conditions.
- Follow-up soil/groundwater delineation sampling using Ultra-Violet Optical Screening Tool (UVOST) technology with the collection of Total Petroleum Hydrocarbon (TPH) samples from select locations.
- The evaluation of the field and laboratory analytical data and the preparation of this report, which describes the project activities and presents the results of the Limited Phase II ESI.

4.0 SITE INVESTIGATION

4.1 Geophysical Survey

On June 3, 2016, EBS retained NAEVA Geophysics Inc. (NAEVA) to conduct a geophysical investigation to assess the potential presence of any abandoned USTs and other subsurface structures, utilities and anomalies in the areas of the proposed soil boring locations so that they can be avoided during drilling activities. Site features associated with the geophysical survey are depicted on Figures 2 & 3 and a copy of the geophysical survey report is provided in Appendix B.

Based upon results of the geophysical survey, the following structures were identified and/or confirmed:

Exterior – Rear Parking Lots

- A 4 by 6-foot anomaly was located near the Schenck Avenue entrance, approximately where historical records indicated a gasoline tank once existed. The GPR data profiles collected across the anomaly occasionally displayed the parabolic reflections that are typically characteristic of USTs, but these reflections were not ideal exemplifications so a definite assertion of the presence of a UST is difficult to make. A linear feature that may represent a former remote fill line was traced between this suspected UST and the curb line using the Dynatel utility locator.
- The metal-detector identified another anomaly about 5 by 6 feet in extent in the south central portion of the parking lot. While the GPR data profiles collected across it did not provide any additional information as to the anomaly's source, due its size and shape, it may be prudent to carefully excavate it.
- The southwest quarter of the parking lot, an area roughly 40 by 50 feet in size, elicited a strong response from the metal-detector. Possible explanations could include a sub-grade reinforced concrete slab or the presence of metallic or otherwise conductive fill material such as slag. This area was covered by disabled vehicles, debris, and dense vegetation, which prevented us from systematically investigating it further with GPR.

Interior

- During a visual examination of the sidewalks surrounding the Property, a vent pipe and an abandoned remote fill port were seen at the east side of the building, about 80 feet south of Atlantic Avenue. The lines associated with these features were traced into the building, where they terminated at an undocumented heating-oil UST located beneath the floor of the loading dock. The dimensions of the tank, as determined by the metal- detector, are approximately 6 by 24 feet, indicating a

capacity of 4,000 to 5,000 gallons. A manway to the UST was situated at the west end of the tank. The piping that was visible in the manway could be seen entering into the basement about 10 feet to the north, where it connects to out-of-service pumping equipment. The UST was partially covered by steel racks filled with stored materials, which prevented us from collecting GPR data across the tank.

Soil Boring Locations

In addition to the above, the geophysical survey was also utilized to screen and clear locations for soil borings throughout the Property for a soil and groundwater investigation as site conditions and time allowed.

Following the geophysical survey, EBS retained ZEBRA Technical Services, LLC (ZEBRA) for a subsurface investigation that took place between June 14 and 16, 2016. The following sections provide details regarding the subsurface investigation with sampling of soil, groundwater, and sub-slab/ambient air vapor sampling.

4.2 Soil Boring Sampling

Based on the results of the geophysical survey, Phase I ESA for the Property, and site access limitations, a total of eleven (11) soil borings (SB-1 through SB-11) were advanced for field analysis, soil sample collection and groundwater sample collection. Refer to Figure 2 for a Site Plan illustrating the locations of the soil borings. The boring locations are described below:

- Boring SB-1 was advanced in the rear parking lot at the southeast corner of the Property. This boring was advanced/sampled to investigate the adjacent gasoline filling station to the northeast and general site characterization. A groundwater sample was also collected at this location.
- Borings SB-2 and SB-3 were advanced in the vicinity of the metal anomaly within the southern portion of the rear parking lot. One (1) sample (SB-2) was collected from approximately 9-10' bgs to represent the approximate depth of the suspected USTs invert depth.
- Borings SB-4 and SB-5 were advanced in the vicinity of suspected gasoline UST at the southwest portion of the Property near the Schenck Avenue entrance. One (1) sample (SB-4) was collected from approximately 9-10' bgs to represent the approximate depth of the suspected USTs invert depth and one (1) sample (SB-5) was collected just above the water table (approximately 38-39' bgs) for general site characterization. A groundwater sample was also collected from SB-5.
- Borings SB-6 and SB-7 were advanced within the single-story slab on grade loading dock structure between the two (2) 3-story sections of the Property. SB-6 was advanced to groundwater with the soil sample collected just above the water table (approximately 37-38' bgs) and SB-7 was advanced to approximately 10'

bgs with the soil sample collected between 1 and 2' bgs. These borings were advanced for general site characterization.

- Borings SB-8 and SB-9 were advanced in the vicinity of the noted ~5,000-gallon heating oil UST. Two (2) soil samples were collected from SB-8: soil sample SB-8 at approximately 9-10' bgs to represent the approximate depth of the USTs invert depth and soil sample SB-8.2 at approximately 37-38' bgs, based on field observations. The soil sample from SB-9 was collected at approximately 12-13' bgs based on field observations.
- Boring SB-10 was advanced in the area of the documented old and deteriorating drums and other containers noted in the Hillmann Phase I ESA. SB-10 was collected from just beneath the concrete slab (approximately 1-2' bgs). Due to the interior location with limited access, this boring was advanced by first using a concrete corer to core through the slab and then using a remote sampling drill rig for sample collection.
- Boring SB-11 was advanced in the northeast area of the Property in the vicinity of the noted dark staining and accumulation of wet, dark sediment adjacent to the hydraulic flatbed laminating machines. Due to the thickness of the concrete, a concrete corer was first used in an attempt to core through concrete and then advance a soil boring. The concrete was at least 14-16" thick and was unable to be penetrated through for soil sampling.

The soil borings were advanced to a maximum depth of approximately 40 feet bgs, using a Geoprobe® direct push drill rig, with the exception of SB-10 and SB-11 as discussed above. Soil samples were collected using five (5)-foot long, 2-inch diameter Macro Core stainless steel samplers equipped with polyvinyl chloride (PVC) liners. Visual and olfactory methods of screening were utilized during the field efforts to identify evidence of potential impacts. Additionally, a PID was used to obtain qualitative measurements of volatile organic vapors.

Visual and olfactory evidence (heavy staining & strong odors) of petroleum impacts were observed in the two (2) soil borings (SB-8 and SB-9) in the vicinity of the ~5,000-gallon heating oil UST with PID measurements recorded between approximately 0.0 ppm and 150 ppm. Refer to photograph documentation in Appendix C.

SB-1 was noted with a slight petroleum odor and sheen on the groundwater with PID readings at approximately 0.2 ppm.

PID readings at SB-5 ranged from approximately 2 to 20 ppm at depths ranging from 15-40' bgs.

PID readings at SB-10 ranged from approximately 1 to 5 ppm at depths ranging from 1-2' bgs.

A copy of the detailed boring logs is provided in Appendix A.

Soil samples were placed in laboratory-supplied containers and were placed in a cooler packed with ice and stored at a temperature of 4° Celsius pending transport to the laboratory. EBS completed all chain-of-custody documents prior to sample shipment. The samples were submitted to York and were analyzed for VOCs utilizing USEPA Method 8260, SVOCs utilizing USEPA Method 8270, and Target Analyte List (TAL) Metals utilizing USEPA Methods 6010 and 7471. The soil sample results were tabulated and compared to the NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives (UUSCOs).

4.2.1 Soil Boring Sampling Results

Soil sample results from all soil borings were compared to the NYSDEC Part 375 UUSCOs. As indicated on Table 1, several VOCs, and SVOCs, were detected at concentrations above their respective NYSDEC Part 375 UUSCOs in sample SB-8.2, which was collected from approximately 37-38' bgs at a location just east of the suspect ~5,000-gallon heating oil UST. In addition, several metals from borings SB-7 & SB-9 were detected at concentrations above their respective NYSDEC Part 375 UUSCOs. These metals included lead, zinc, and mercury. The soil boring laboratory data is summarized in Table 1, and the laboratory analytical report is provided in Appendix D.

4.3 Groundwater Sampling

Based upon information collected from the Phase I ESA for the Property, there was documented impacted groundwater from an adjacent gasoline station just east of the Property on Atlantic Avenue across Barbey Street. Additionally, several USTs were identified on the Property. As such, in order to evaluate groundwater conditions beneath the Property (which may contribute to a vapor encroachment condition as well), two (2) groundwater samples were collected from soil boring locations SB-1 and SB-5. It should be noted that an additional groundwater sample was to be collected from SB-8 location but due to heavy contamination, presumed to be fuel oil, a groundwater sample at SB-8 location was not feasible.

Temporary groundwater monitoring wells were completed, which were constructed of 1-inch diameter slotted and solid PVC casing. Solid casing extended from ground surface to approximately 5 feet above the identified water table, and slotted casing was utilized from that depth to the bottom of each temporary monitoring well.

Groundwater was pumped through plastic tubing with a check valve to the ground surface by oscillating the tubing up and down by hand. Samples were collected by withdrawing and draining the tubing into laboratory supplied containers and were placed in a cooler packed with ice and stored at a temperature of 4° Celsius pending transport to the laboratory. EBS completed all chain-of-custody documents prior to sample shipment. The samples were submitted to York and were analyzed for TCL VOCs using USEPA Method 8260 and TCL SVOCs using USEPA Method 8270. The groundwater sample

results were tabulated and compared to NYSDEC Technical & Operational Guidance Series (TOGS) 1.1.1 list of Ambient Water Quality Standards and Guidance Values (AWQSGV) and Groundwater Effluent Limitations, June 1998.

4.3.1 Groundwater Sampling Results

Based upon review of the groundwater analytical laboratory data, as summarized in Table 2 and as shown in the laboratory analytical report in Appendix D, only one (1) VOC (chloroform) was detected in the groundwater sample collected at SB-5 location. The NYSDEC TOGS AWQSGV for chloroform is 7 micrograms per Liter (ug/L) and the detected concentration from SB-05-GW was 19 ug/L.

In addition to the detected VOC chloroform, elevated method detection limits (MDLs) were identified in the SVOC analyses within the laboratory analytical data (see Appendix D). Elevated MDLs occur during laboratory testing such that a compound may be analyzed but may be reported as “not detected” (or with a “U” Qualifier in Table 2) unless a certain concentration is identified. Elevated MDLs may be attributed to sample dilution, matrix interference or other laboratory testing factors. Based upon a review of the analytical laboratory data, and as indicated on Table 2, MDLs for multiple SVOCs were identified in both of the groundwater samples at limits above their respective NYSDEC TOGS AWQSGV. As such, it is possible that SVOC concentrations in these sample results are above applicable regulatory standards but may have been reported as a “not detected” concentration. Therefore, it should be assumed that groundwater is impacted with SVOCs above applicable standards.

4.4 Soil Vapor Sampling

Based upon results of the Phase I ESA for the Property, with documented VOC-impacted groundwater at the adjacent gasoline station, in addition to the historical operations at the Property, with USTs present, it was determined that there is a potential for indoor air quality within the existing Property buildings to have been impacted through vapor migration. It is important to note that soil vapor impacts are commonly associated with VOC-impacted groundwater; however, soil vapor impacts will follow preferential pathways to the surface. As such, it was determined that evaluation of sub-slab soil vapor along with indoor air quality was necessary in order to determine if subsurface conditions have impacted indoor air conditions. Soil vapor sampling was performed in accordance with the soil vapor sampling procedures outlined in the New York State Department of Health (NYSDOH) October 2006 Soil Vapor Intrusion Guidance Document (NYSDOH Guidance Document).

In order to evaluate sub-slab soil vapor, two (2) sub-slab soil vapor samples were collected. Soil Vapor Sample SV-01 was collected from the south building and SV-02 was collected from the north building. The locations of the soil vapor samples are shown on Figure 2. The soil vapor implants consisted of a 6-inc long stainless steel implant (screen) attached to polyethylene tubing set just below the floor slab, and the annular

space surrounding the tubing was filled with Morie #00 fine sand. Each sample point was sealed into the floor slab using a non-toxic clay bentonite to minimize the infiltration of ambient air.

Prior to sample collection, the sub-slab soil vapor sampling points were purged of three-five tube volumes of soil vapor utilizing a PID. VOCs were detected with the PID in both sub-slab soil vapor points when purging. A reading of 15 ppm was noted at SV-01 and 12 ppm was noted at SV-02. After the purging was completed, a 6-liter laboratory-supplied vacuum Summa canister was then connected to the polyethylene tubing, and each sample was collected over a two-hour period at a flow rate of approximately 0.05 liter per minute (LPM), consistent with NYSDOH guidance. In addition, a tracer gas consisting of helium was used to verify the integrity of the vapor probe seal and that infiltration of outdoor/ambient air was not occurring. A MGD-2000 multi-gas leak locator was used in the field to collect helium readings. No helium readings were detected.

In addition, one (1) indoor air sample was collected from the ground floor of the north building, as shown on the attached Figure. The indoor air sample was set at a height consistent with the breathing zone (i.e., approximately three-to-five-feet above grade level). Like the sub-slab soil vapor samples, a 6-liter laboratory-supplied vacuum Summa canister was utilized to sample the indoor air sample. The indoor air sample was collected over a two-hour period at a flow rate of approximately 0.05 LPM, consistent with NYSDOH guidance.

The three (3) summa canisters were submitted to York under appropriate chain of custody for analysis of VOCs using USEPA Method TO-15. The results of the sub-slab soil vapor / ambient air samples are provided in Section 4.4.1, below.

4.4.1 Soil Vapor Sampling Results

The analytical results for the soil vapor samples were compared to the NYS Homes – Indoor/Outdoor 1997 to 2003 reference values provided in *Final NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York*, October 2006 (hereinafter, the “NYSDOH Guidance”).

Based upon the analytical laboratory data (as shown on Table 3), the presence of petroleum-related and solvent-related vapors were confirmed in the subsurface and ambient air at concentrations above their respective NYSDOH 25th and/or 75th percentile concentrations for Indoor Air. These compounds included 1,2,4-trimethylbenzene, 2-butanone, acetone, benzene, chloromethane, cyclohexane, dichlorodifluoromethane, n-heptane, n-hexane, p&m xylenes, PCE, tetrahydrofuran, toluene, TCE, and trichlorofluoromethane (Freon 11). Given the elevated concentrations of these compounds, a vapor encroachment condition (VEC) is confirmed at the Property and is likely attributed to at least the documented fuel oil contamination.

NYSDOH Matrices

In addition to providing a range of indoor/outdoor standards and percentiles, the NYSDOH provides two (2) matrices (see Appendix D) as a risk management tool to determine the corrective action for a site. The matrices are based on reported concentrations of carbon tetrachloride, PCE, TCE, and 1,1,1-TCA. The corrective action is also based on a combination of sub-slab concentrations and related indoor air samples. Mitigation and/or monitoring recommendations as related to soil vapor results in comparison to NYSDOH matrices are provided in this section, below.

Matrix 1

As previously indicated, and as shown on Table 3, the compound TCE was detected in sub-slab soil vapor sample SV-02 at a concentration of 180 ug/m^3 . However, TCE was not detected in indoor air concentrations in sample AA-01. The compound TCE is subject to NYSDOH Soil Vapor/Indoor Air Matrix 1 (see Appendix E). According to the matrix for TCE, concentrations where sub-slab vapor is detected between 50 and 250 ug/m^3 and indoor air concentrations are less than 0.25 ug/m^3 requires monitoring.

No other compounds were detected in soil vapor samples at concentrations that are subject to the NYSDOH Soil Vapor/Indoor Air matrices.

4.5 Soil/Groundwater Impacts Delineation

As a result of the field observations/findings, specifically in the area of the suspect ~5,000-gallon heating oil UST, UVOST sampling was conducted to further delineate the suspected fuel oil contamination at the Property on June 28 & 29, 2016. In addition to UVOST sampling, several TPH samples were collected from various locations as part of the suspected fuel oil delineation efforts.

A total of eleven (11) UVOST sampling locations were advanced to a maximum depth of approximately 52' bgs. The maximum signal depth was noted at an average depth of approximately 37' bgs. Noted contamination ranged between approximately 21' and 50' bgs, with the heaviest contamination noted between 35' and 39' on average. UVOST sampling locations are shown on attached Figure 3.

TPH samples were collected from UVOST locations 2, 3, 8, 10 and 11. An additional sample was attempted at UVOST location 1, but due to encountering refusal at 3 different locations in the vicinity of UVOST location 1 @ approximately 10' bgs, no TPH sample was collected at UVOST location 1. TPH results ranged from 16,300 mg/kg to 35,700 mg/kg (full laboratory analytical report included in Appendix D).

Based on the results of the UVOST/TPH data, the southern extent of the presumed fuel oil impacts has presumably been identified. Due to limited access to the west and north (raised floor and presence of basement) and limited access to the east (presence of

sidewalk and roadway), delineation in these directions have been approximated. As shown on attached Figure 3, an approximate 8,500 SF area has been calculated to presumably be impacted as a result of the suspect ~5,000-gallon heating oil UST. Since delineation could not be completed in all directions, as noted above, this is just an estimate and actual site conditions may be different.

DRAFT

5.0 CONCLUSIONS AND RECOMMENDATIONS

EBS has prepared this Limited Phase II ESI for LSC for the commercial property located at 2840 Atlantic Avenue, Brooklyn, NY. The Phase II ESI Report was prepared in an attempt to determine if the subsurface of the Property has been impacted as a result of the identified RECs from the Phase I ESA completed for the Property by Hillmann.

Hillmann recommended a Phase II ESI for the identified RECs as follows:

- The Property has been used for industrial manufacturing purposes since the early 20th century.
- The Property is used for the manufacture of plastics and floor tiles. An active groundwater production well is utilized.
- Adjoining filling station site at 2880 Atlantic Ave has an open NY SPILL case.
- Numerous old and deteriorating drums and other containers were noted, mostly in the basement, with the labeling obscured or illegible. An inactive 275-gallon AST of unknown content was also noted in the basement.
- Historic fire insurance map from 1951 depicts a gasoline UST on Lot 4.
- Dark staining and an accumulation of wet, dark sediment was noted on the floor within the east side of the 1-story loading dock portion of the facility. The source/content of the sediment was not apparent; although it was observed underneath and adjacent to the hydraulic flatbed laminating machine.

As a result of the identified RECs from Hillmann's Phase I ESA, EBS conducted a Phase II ESI which included the following tasks:

- Geophysical survey of accessible areas of the site
- Soil Sampling
- Groundwater Sampling
- Soil Vapor Sampling

These tasks were completed between June 3, 2016 and June 16, 2016.

Based on the findings of the geophysical survey, the suspected tank that was noted on the historical Sanborn Map (as noted from Phase I ESA, prepared by Hillmann) was presumably identified in the rear parking lot in the approximate area it was shown on Sanborn Map. An additional anomaly consistent with another UST was also noted in the rear parking lot as well.

In addition, a suspect ~5,000-gallon heating oil UST was discovered, which is located

beneath the east loading dock area of the Property. This tank was **not** noted on the Phase I ESA completed by Hillmann. Based on the presence of a closed fill port, vent line and manhole cover, this UST should have been identified in the Hillmann Phase I ESA. There was no mention whatsoever regarding this UST in the Hillmann Phase I ESA.

As part of the Phase II ESI completed at the site, two (2) soil borings were advanced in the area of the discovered suspect ~5,000-gallon heating oil UST. Based on field observations, significant soil/groundwater impacts were noted. Additionally, an existing groundwater monitoring well located along Barbey Street (approximately 35' to the south-southeast of the UST) was noted to have at least 1' of free product in the well at a depth of approximately 38' below grade surface. The product appeared to be heating oil.

As a result of these findings, on June 28 & 29, 2016, UVOST sampling was conducted to further delineate the suspected fuel oil contamination at the Property. In addition to UVOST sampling, several TPH samples were collected from various locations as part of the suspected fuel oil delineation efforts.

Based on the findings and data collected at the Property, a cost estimate for remediation has been estimated as noted below. It should be noted that due to several complicating factors and some unknowns (delineation in all directions due to limited access at the site), some assumptions have been made. Refer to the attached Figures for an approximate area of soil/groundwater impacts based on field observations and UVOST/TPH data.

Based on the data and visual inspection of the Property, there are several steps likely needed to address the fuel oil contamination as follows:

- UST Removal
- Excavation of UST Area
- Surfactant Injection and Free Product Removal
- Enhanced Fluid Recovery (EFR) Events
- In Situ Chemical Oxidation (ISCO) Injections
- Remediation System Installation, Maintenance, and Removal

In addition to the noted fuel oil impacts, the following additional items should also be considered:

- Removal of suspected USTs - two (2) possible tanks found during geophysical survey (in rear parking lot area)
- Cleanup of spilled hydraulic oil at northeast corner of site
- Installation of a Vapor Barrier and/or SSDS
- Removal of abandoned tank(s) in basement
- Abandonment of groundwater production well(s)
- Miscellaneous site cleanup

Limited Phase II Environmental Site Investigation
2840 Atlantic Avenue
Brooklyn, New York 11207

ITEM	ESTIMATED COST
~5,000-gallon UST Removal	\$50,000
Excavation of UST area (approx. 140 tons) Impacts from 10-20(?) ft. below grade surface (bgs). (includes waste class, Materials T & D, DOB permit, & up to 3-days effort).	\$75,000
Surfactant injection and free product removal. Approx. 2,500 sq. ft. area. Depths of 35-40 ft. bgs. Unknown timeframe (includes well installations, 12 EFR events w/disposal of 1K gallons, & 12K-surfactant injections).	\$200,000
ISCO injection - approx. 2,500 sq. ft. area - Depths of 35-40 ft. bgs. (Equipment and ~25K gallons ISCO)	\$275,000
Remediation system installation, maintenance, removal	\$250,000
Consulting, endpoint sampling analysis, spill closure reporting	\$100,000
Removal of suspected tanks in rear parking lot area and abandoned AST(s) in basement	\$75,000
Cleanup of spilled hydraulic oil at northeast corner of site	\$75,000
Installation of a Vapor Barrier and/or SSDS based on \$5 per SF for 45,000 SF site	\$225,000
Abandonment of groundwater production well(s)	\$75,000
Miscellaneous site cleanup	\$100,000
Approximate Estimated Cost	~\$1,500,000

Please note that this is an estimate only and the actual costs incurred may vary from those listed above. Also, if conditions are discovered during redevelopment that differs from those found during the Phase II ESI, costs may vary.

As previously communicated, the findings of this investigation appear to warrant a call into the NYSDEC Spill Hotline. Once a spill number is generated and a case manager assigned, please provide this information to EBS.

6.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

EBS has performed a Limited Phase II ESI at the commercial property located at 2840 Atlantic Avenue, Brooklyn, NY in general accordance with our proposal dated May 20, 2016.

Environmental Building Solutions, LLC

Prepared By:



John Mascioli, MS
Program Manager

Reviewed By:

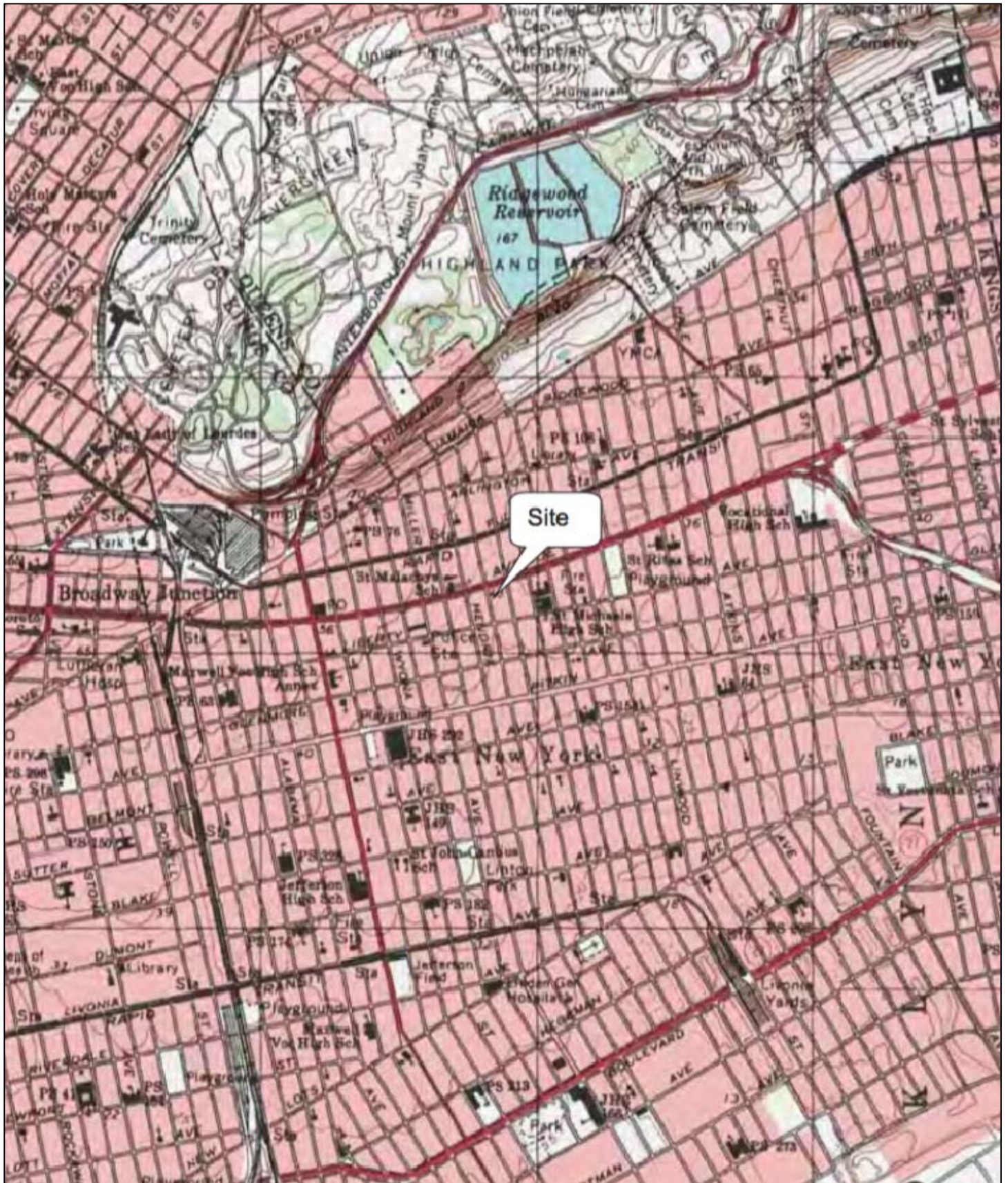


Michael Borello
Principal

DRAFT

DRAFT

FIGURES



**ENVIRONMENTAL
BUILDING SOLUTIONS**

494 8th Avenue, SUITE 1403 (646) 290-5925
NEW YORK, NEW YORK 10001 www.ebsllcny.com

DRAWING :

SITE LOCATION MAP
2840 Atlantic Avenue
Brooklyn, New York

FIGURE:

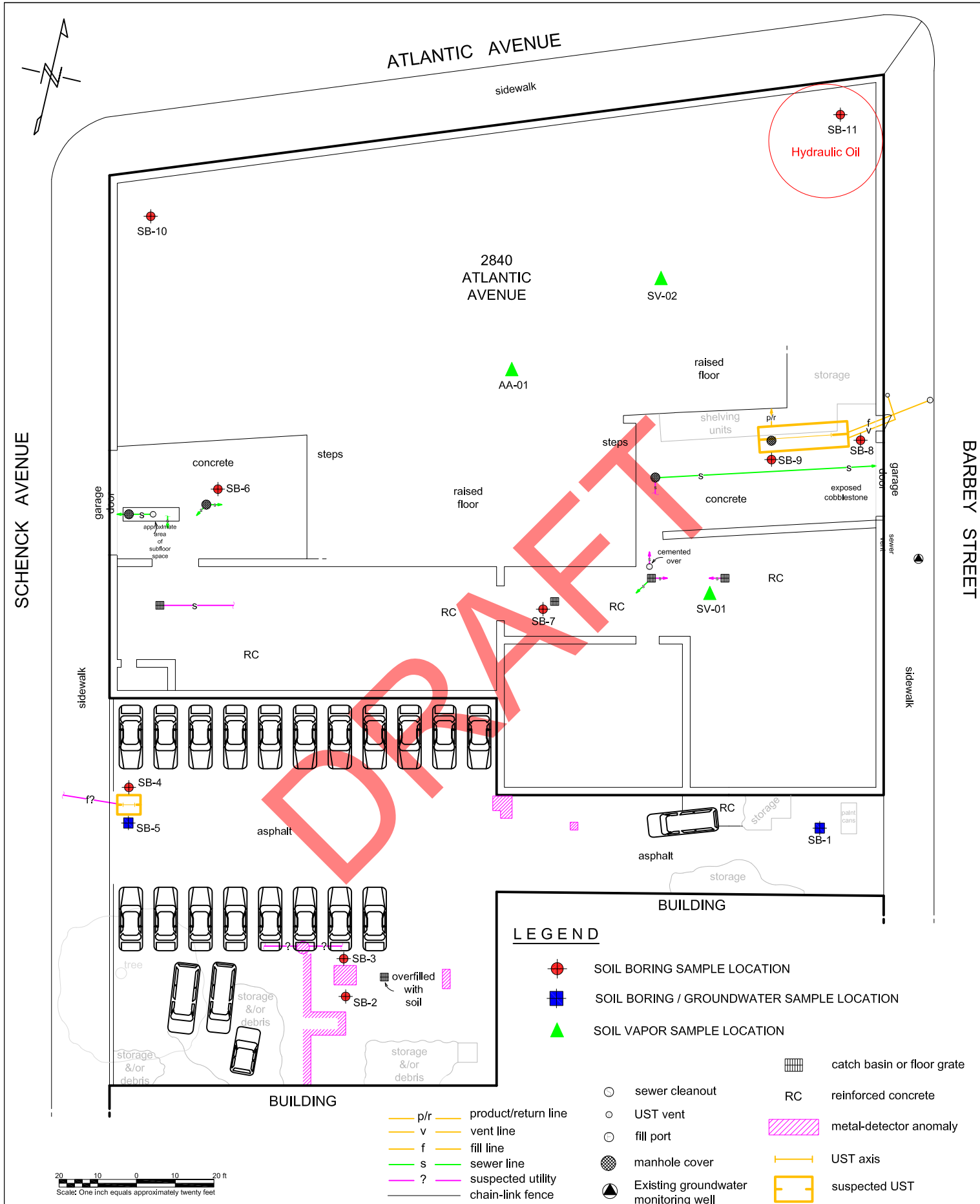
**FIGURE 1 -
SITE LOCATION MAP**

Date:

July, 2016

Scale:

NOT TO SCALE



ATLANTIC AVENUE

sidewalk

SB-11

Hydraulic Oil

Soil/Groundwater Impacted area based on
Field Observations and UVOST/TPH Data
(dashed area is assumed)

2840
ATLANTIC
AVENUE

SV-02

AA-01

raised
floor

01

p/r

f

v

s

s

s

s

s

s

s

s

s

s

s

s

s

s

s

s

s

s

s

s

s

s

s

s

s

s

s

s

s

s

s

s

s

s

s

s

s

s

s

s

s

s

s

s

s

s

s

s

s

s

s

s

s

s

BARBEY STREET

sidewalk

garage

garage

garage

garage

garage

garage

garage

garage

garage

garage

garage

garage

garage

garage

garage

garage

garage

garage

garage

garage

SCHENCK AVENUE

sidewalk

garage

garage

garage

garage

garage

garage

garage

garage

garage

garage

garage

garage

garage

garage

garage

garage

garage

garage

garage

garage

concrete

steps

SB-6

RC

asphalt

SB-4

SB-5

f?

f?

f?

f?

f?

f?

f?

f?

f?

f?

f?

f?

f?

f?

f?

f?

f?

f?

f?

f?

f?

f?

f?

f?

f?

f?

f?

f?

f?

f?

f?

f?

f?

BUILDING

BUILDING

LEGEND



SOIL BORING SAMPLE LOCATION



SOIL BORING / GROUNDWATER SAMPLE LOCATION



SOIL VAPOR SAMPLE LOCATION



UVOST SAMPLE LOCATION - WITH NOTED IMPACTS



UVOST SAMPLE LOCATION - WITHOUT NOTED IMPACTS



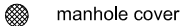
sewer cleanout



UST vent



fill port



manhole cover



Existing groundwater
monitoring well



catch basin or floor grate



RC
reinforced concrete



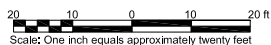
metal-detector anomaly



UST axis



suspected UST



ENVIRONMENTAL
BUILDING SOLUTIONS

494 8th Avenue, SUITE 1403 (646) 290-5925
NEW YORK, NEW YORK 10001 www.ebsllcnyc.com

DRAWING :
- SITE PLAN WITH SAMPLE LOCATIONS-
2840 ATLANTIC AVENUE
BROOKLYN, NEW YORK

FIGURE:

FIGURE 3

Date:

July, 2016

Scale:

As Shown

DRAFT

TABLES

Table 1
Summary of Soil Boring Analytical Data

Sample ID Sample Dsepth (approx.) York ID Sampling Date Matrix	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	SB-1 37.5' - 38.5' 16F0682-01 06/14/16 Soil		SB-2 9' - 10' 16F0682-02 06/14/16 Soil		SB-4 9' - 10' 16F0682-03 06/14/16 Soil		SB-5 38' - 39' 16F0682-04 06/14/16 Soil		SB-6 37' - 38' 16F0682-05 06/15/16 Soil		SB-7 1' - 2' 16F0682-06 06/15/16 Soil		SB-8 9' - 10' 16F0682-07 06/15/16 Soil		SB-8.2 37' - 38' 16F0682-08 06/15/16 Soil		SB-9 12' - 13' 16F0682-09 06/15/16 Soil		SB-10 1' - 2' 16F0682-10 06/16/16 Soil	
Compound		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Volatile Organics, 8260	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Dilution Factor		1		1		1		1		1		1		1		100		1		1	
1,1,1,2-Tetrachloroethane	~	0.0024	U	0.0026	U	0.0025	U	0.0024	U	0.0025	U	0.0028	U	0.0023	U	0.23	U	0.0023	U	0.0025	U
1,1,1-Trichloroethane	0.68	0.0024	U	0.0026	U	0.0025	U	0.0024	U	0.0025	U	0.0028	U	0.0023	U	0.23	U	0.0023	U	0.0025	U
1,1,2,2-Tetrachloroethane	~	0.0024	U	0.0026	U	0.0025	U	0.0024	U	0.0025	U	0.0028	U	0.0023	U	0.23	U	0.0023	U	0.0025	U
1,1,2-Trichloro-1,2,2-trifluoroethane	~	0.0024	U	0.0026	U	0.0025	U	0.0024	U	0.0025	U	0.0028	U	0.0023	U	0.23	U	0.0023	U	0.0025	U
1,1,2-Trichloroethane	~	0.0024	U	0.0026	U	0.0025	U	0.0024	U	0.0025	U	0.0028	U	0.0023	U	0.23	U	0.0023	U	0.0025	U
1,1-Dichloroethane	0.27	0.0024	U	0.0026	U	0.0025	U	0.0024	U	0.0025	U	0.0028	U	0.0023	U	0.23	U	0.0023	U	0.0025	U
1,1-Dichloroethylene	0.33	0.0024	U	0.0026	U	0.0025	U	0.0024	U	0.0025	U	0.0028	U	0.0023	U	0.23	U	0.0023	U	0.0025	U
1,2,3-Trichlorobenzene	~	0.0024	U	0.0026	U	0.0025	U	0.0024	U	0.0025	U	0.0028	U	0.0023	U	0.23	U	0.0023	U	0.0025	U
1,2,3-Trichloropropane	~	0.0024	U	0.0026	U	0.0025	U	0.0024	U	0.0025	U	0.0028	U	0.0023	U	0.23	U	0.0023	U	0.0025	U
1,2,4-Trichlorobenzene	~	0.0024	U	0.0026	U	0.0025	U	0.0024	U	0.0025	U	0.0028	U	0.0023	U	0.23	U	0.0023	U	0.0025	U
1,2,4-Trimethylbenzene	3.6	0.0024	U	0.0026	U	0.0025	U	0.0024	U	0.0025	U	0.0028	U	0.0023	U	5.10	D	0.0023	U	0.0025	U
1,2-Dibromo-3-chloropropane	~	0.0048	U	0.0053	U	0.0051	U	0.0049	U	0.0050	U	0.0055	U	0.0023	U	0.23	U	0.0023	U	0.0025	U
1,2-Dibromoethane	~	0.0024	U	0.0026	U	0.0025	U	0.0024	U	0.0025	U	0.0028	U	0.0023	U	0.23	U	0.0023	U	0.0025	U
1,2-Dichlorobenzene	1.1	0.0024	U	0.0026	U	0.0025	U	0.0024	U	0.0025	U	0.0028	U	0.0023	U	0.23	U	0.0023	U	0.0025	U
1,2-Dichloroethane	0.02	0.0024	U	0.0026	U	0.0025	U	0.0024	U	0.0025	U	0.0028	U	0.0023	U	0.23	U	0.0023	U	0.0025	U
1,2-Dichloropropane	~	0.0024	U	0.0026	U	0.0025	U	0.0024	U	0.0025	U	0.0028	U	0.0023	U	0.23	U	0.0023	U	0.0025	U
1,3,5-Trimethylbenzene	8.4	0.0024	U	0.0026	U	0.0025	U	0.0024	U	0.0025	U	0.0028	U	0.0023	U	0.42	JD	0.0023	U	0.0025	U
1,3-Dichlorobenzene	2.4	0.0024	U	0.0026	U	0.0025	U	0.0024	U	0.0025	U	0.0028	U	0.0023	U	0.23	U	0.0023	U	0.0025	U
1,4-Dichlorobenzene	1.8	0.0024	U	0.0026	U	0.0025	U	0.0024	U	0.0025	U	0.0028	U	0.0023	U	0.23	U	0.0023	U	0.0025	U
1,4-Dioxane	0.1	0.048	U	0.053	U	0.051	U	0.049	U	0.050	U	0.055	U	0.047	U	4.50	U	0.047	U	0.049	U
2-Butanone	0.12	0.0024	U	0.0026	U	0.0025	U	0.0024	U	0.0025	U	0.0028	U	0.0053		0.36	JD	0.0023	U	0.0025	U
2-Hexanone	~	0.0024	U	0.0026	U	0.0025	U	0.0024	U	0.0025	U	0.0028	U	0.0023	U	0.23	U	0.0023	U	0.0025	U
4-Methyl-2-pentanone	~	0.0024	U	0.0026	U	0.0025	U	0.0024	U	0.0025	U	0.0028	U	0.0023	U	0.23	U	0.0023	U	0.0025	U
Acetone	0.05	0.0048	U	0.0053	U	0.0051	U	0.0049	U	0.0050	U	0.0055	U	0.015	B	0.69	JBD	0.011		0.0049	U
Acrolein	~	0.0048	U	0.0053	U	0.0051	U	0.0049	U	0.0050	U	0.0055	U	0.0047	U	0.45	U	0.0047	U	0.0049	U
Acrylonitrile	~	0.0024	U	0.0026	U	0.0025	U	0.0024	U	0.0025	U	0.0028	U	0.0023	U	0.23	U	0.0023	U	0.0025	U
Benzene	0.06	0.0024	U	0.0026	U	0.0025	U	0.0024	U	0.0025	U	0.0028	U	0.0023	U	0.47	D	0.0023	U	0.0025	U
Bromochloromethane	~	0.0024	U	0.0026	U	0.0025	U	0.0024	U	0.0025	U	0.0028	U	0.0023	U	0.23	U	0.0023	U	0.0025	U
Bromodichloromethane	~	0.0024	U	0.0026	U	0.0025	U	0.0024	U	0.0025	U	0.0028	U	0.0023	U	0.23	U	0.0023	U	0.0025	U
Bromoform	~	0.0024	U	0.0026	U	0.0025	U	0.0024	U	0.0025	U	0.0028	U	0.0023	U	0.23	U	0.0023	U	0.0025	U
Bromomethane	~	0.0024	U	0.0026	U	0.0025	U	0.0024	U	0.0025	U	0.0028	U	0.0023	U	0.93	D	0.0023	U	0.0025	U
Carbon disulfide	~	0.0024	U	0.0026	U	0.0025	U	0.0024	U	0.0025	U	0.0028	U	0.0023	U	0.23	U	0.0023	U	0.0025	U
Carbon tetrachloride	0.76	0.0024	U	0.0026	U	0.0025	U	0.0024	U	0.0025	U	0.0028	U	0.0023	U	0.23	U	0.0023	U	0.0025	U
Chlorobenzene	1.1	0.0024	U	0.0026	U	0.0025	U	0.0024	U	0.0025	U	0.0028	U	0.0023	U	0.23	U	0.0023	U	0.0025	U
Chloroethane	~	0.0024	U	0.0026	U	0.0025	U	0.0024	U	0.0025	U	0.0028	U	0.0023	U	0.23	U	0.0023	U	0.0025	U
Chloroform	0.37	0.0024	U	0.0026	U	0.0025	U	0.0024	U	0.0025	U	0.0028	U	0.0023	U	0.23	U	0.0023	U	0.0025	U
Chloromethane	~	0.0024	U	0.0026	U	0.0025	U	0.0024	U	0.0025	U	0.0028	U	0.0023	U	0.24	JD	0.0023	U	0.0025	U
cis-1,2-Dichloroethylene	0.25	0.0024	U	0.0026	U	0.0025	U	0.0024	U	0.0025	U	0.0028	U	0.0023	U	0.23	U	0.0023	U	0.0025	U
cis-1,3-Dichloropropylene	~	0.0024	U	0.0026	U	0.0025	U	0.0024	U	0.0025	U	0.0028	U	0.0023	U	0.23	U	0.0023	U	0.0025	U
Cyclohexane	~	0.0024	U	0.0026	U	0.0025	U	0.0024	U	0.0025	U	0.0028	U	0.0023	U	2.20	D	0.0023	U	0.0025	U
Dibromochloromethane	~	0.0024	U	0.0026	U	0.0025	U	0.0024	U	0.0025	U	0.0028	U	0.0023	U	0.23	U	0.0023	U	0.0025	U
Dibromomethane	~	0.0024	U	0.0026	U	0.0025	U	0.0024	U	0.0025	U	0.0028	U	0.0023	U	0.23	U	0.0023	U	0.0025	U
Dichlorodifluoromethane	~	0.0024	U	0.0026	U	0.0025	U	0.0024	U	0.0025	U	0.0028	U	0.0023	U	0.23	U	0.0023	U	0.0025	U
Ethyl Benzene	1	0.0024	U	0.0026	U	0.0025	U	0.0024	U	0.0025	U	0.0028	U	0.0023	U	6.10	D	0.0023	U	0.0025	U
Hexachlorobutadiene	~	0.0024	U	0.0026	U	0.0025	U	0.0024	U	0.0025	U	0.0028	U	0.0023	U	0.23	U	0.0023	U	0.0025	U
Isopropylbenzene	~	0.0024	U	0.0026	U	0.0025	U	0.0024	U	0.0025	U	0.0028	U	0.0023	U	3.30	D	0.0023	U	0.0025	U
Methyl acetate	~	0.0024	U	0.0026	U	0.0025	U	0.0024	U	0.0025	U	0.0028	U	0.0023	U	0.23	U	0.0023	U	0.0025	U

Table 1
Summary of Soil Boring Analytical Data

Sample ID Sample Dsepth (approx.) York ID Sampling Date Matrix	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	SB-1 37.5' - 38.5' 16F0682-01 06/14/16 Soil		SB-2 9' - 10' 16F0682-02 06/14/16 Soil		SB-4 9' - 10' 16F0682-03 06/14/16 Soil		SB-5 38' - 39' 16F0682-04 06/14/16 Soil		SB-6 37' - 38' 16F0682-05 06/15/16 Soil		SB-7 1' - 2' 16F0682-06 06/15/16 Soil		SB-8 9' - 10' 16F0682-07 06/15/16 Soil		SB-8.2 37' - 38' 16F0682-08 06/15/16 Soil		SB-9 12' - 13' 16F0682-09 06/15/16 Soil		SB-10 1' - 2' 16F0682-10 06/16/16 Soil	
Compound		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Methyl tert-butyl ether (MTBE)	0.93	0.0024	U	0.0026	U	0.0025	U	0.0024	U	0.0025	U	0.0028	U	0.0023	U	0.23	U	0.0023	U	0.0025	U
Methylcyclohexane	~	0.0024	U	0.0026	U	0.0025	U	0.0024	U	0.0025	U	0.0028	U	0.0023	U	7.20	D	0.0023	U	0.0025	U
Methylene chloride	0.05	0.0048	U	0.0053	U	0.0051	U	0.0049	U	0.0050	U	0.0055	U	0.0047	U	0.49	JD	0.0047	U	0.0049	U
n-Butylbenzene	12	0.0024	U	0.0026	U	0.0025	U	0.0024	U	0.0025	U	0.0028	U	0.0023	U	3.30	D	0.0023	U	0.0025	U
n-Propylbenzene	3.9	0.0024	U	0.0026	U	0.0025	U	0.0024	U	0.0025	U	0.0028	U	0.0023	U	5.50	D	0.0023	U	0.0025	U
o-Xylene	~	0.0024	U	0.0026	U	0.0025	U	0.0024	U	0.0025	U	0.0028	U	0.0023	U	2.80	D	0.0023	U	0.0025	U
p- & m- Xylenes	~	0.0048	U	0.0053	U	0.0051	U	0.0049	U	0.0050	U	0.0055	U	0.0047	U	1.10	D	0.0047	U	0.0049	U
p-Isopropyltoluene	~	0.0024	U	0.0026	U	0.0025	U	0.0024	U	0.0025	U	0.0028	U	0.0023	U	2.40	D	0.0023	U	0.0025	U
sec-Butylbenzene	11	0.0024	U	0.0026	U	0.0025	U	0.0024	U	0.0025	U	0.0028	U	0.0023	U	4.50	D	0.0023	U	0.0025	U
Styrene	~	0.0024	U	0.0026	U	0.0025	U	0.0024	U	0.0025	U	0.0028	U	0.0023	U	0.23	U	0.0023	U	0.0025	U
tert-Butyl alcohol (TBA)	~	0.0024	U	0.0026	U	0.0025	U	0.0024	U	0.0025	U	0.0028	U	0.0023	U	0.23	U	0.0023	U	0.0025	U
tert-Butylbenzene	5.9	0.0024	U	0.0026	U	0.0025	U	0.0024	U	0.0025	U	0.0028	U	0.0023	U	0.23	U	0.0023	U	0.0025	U
Tetrachloroethylene	1.3	0.0024	U	0.0026	U	0.0025	U	0.0024	U	0.0025	U	0.0028	U	0.016		0.23	U	0.0080		0.0025	U
Toluene	0.7	0.0024	U	0.0026	U	0.0025	U	0.0024	U	0.0025	U	0.0028	U	0.0024	J	0.38	JD	0.0023	U	0.0025	U
trans-1,2-Dichloroethylene	0.19	0.0024	U	0.0026	U	0.0025	U	0.0024	U	0.0025	U	0.0028	U	0.0023	U	0.23	U	0.0023	U	0.0025	U
trans-1,3-Dichloropropylene	~	0.0024	U	0.0026	U	0.0025	U	0.0024	U	0.0025	U	0.0028	U	0.0023	U	0.23	U	0.0023	U	0.0025	U
Trichloroethylene	0.47	0.0024	U	0.0026	U	0.0025	U	0.0024	U	0.0025	U	0.0028	U	0.0023	U	0.23	U	0.0023	U	0.0025	U
Trichlorofluoromethane	~	0.0024	U	0.0026	U	0.0025	U	0.0024	U	0.0025	U	0.0028	U	0.0023	U	0.23	U	0.0023	U	0.0025	U
Vinyl Chloride	0.02	0.0024	U	0.0026	U	0.0025	U	0.0024	U	0.0025	U	0.0028	U	0.0023	U	0.23	U	0.0023	U	0.0025	U
Xylenes, Total	0.26	0.0072	U	0.0079	U	0.0076	U	0.0073	U	0.0076	U	0.0083	U	0.0070	U	3.90	D	0.0070	U	0.0074	U
Semi-Volatiles, 8270	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Dilution Factor		2		2		2		2		2		2		2		20		10		2	
1,1'-Biphenyl	~	0.044	U	0.046	U	0.044	U	0.044	U	0.045	U	0.052	U	0.045	U	0.58	D	0.22	U	0.043	U
1,2,4,5-Tetrachlorobenzene	~	0.087	U	0.091	U	0.087	U	0.088	U	0.089	U	0.10	U	0.090	U	0.43	U	0.44	U	0.086	U
1,2,4-Trichlorobenzene	~	0.044	U	0.046	U	0.044	U	0.044	U	0.045	U	0.052	U	0.045	U	0.22	U	0.22	U	0.043	U
1,2-Dichlorobenzene	1.1	0.044	U	0.046	U	0.044	U	0.044	U	0.045	U	0.052	U	0.045	U	0.22	U	0.22	U	0.043	U
1,2-Diphenylhydrazine	~	0.044	U	0.046	U	0.044	U	0.044	U	0.045	U	0.052	U	0.045	U	0.22	U	0.22	U	0.043	U
1,3-Dichlorobenzene	2.4	0.044	U	0.046	U	0.044	U	0.044	U	0.045	U	0.052	U	0.045	U	0.22	U	0.22	U	0.043	U
1,4-Dichlorobenzene	1.8	0.044	U	0.046	U	0.044	U	0.044	U	0.045	U	0.052	U	0.045	U	0.22	U	0.22	U	0.043	U
2,3,4,6-Tetrachlorophenol	~	0.087	U	0.091	U	0.087	U	0.088	U	0.089	U	0.10	U	0.090	U	0.43	U	0.44	U	0.086	U
2,4,5-Trichlorophenol	~	0.044	U	0.046	U	0.044	U	0.044	U	0.045	U	0.052	U	0.045	U	0.22	U	0.22	U	0.043	U
2,4,6-Trichlorophenol	~	0.044	U	0.046	U	0.044	U	0.044	U	0.045	U	0.052	U	0.045	U	0.22	U	0.22	U	0.043	U
2,4-Dichlorophenol	~	0.044	U	0.046	U	0.044	U	0.044	U	0.045	U	0.052	U	0.045	U	0.22	U	0.22	U	0.043	U
2,4-Dimethylphenol	~	0.044	U	0.046	U	0.044	U	0.044	U	0.045	U	0.052	U	0.045	U	0.22	U	0.22	U	0.043	U
2,4-Dinitrophenol	~	0.087	U	0.091	U	0.087	U	0.088	U	0.089	U	0.10	U	0.090	U	0.43	U	0.44	U	0.086	U
2,4-Dinitrotoluene	~	0.044	U	0.046	U	0.044	U	0.044	U	0.045	U	0.052	U	0.045	U	0.22	U	0.22	U	0.043	U
2,6-Dinitrotoluene	~	0.044	U	0.046	U	0.044	U	0.044	U	0.045	U	0.052	U	0.045	U	0.22	U	0.22	U	0.043	U
2-Chloronaphthalene	~	0.044	U	0.046	U	0.044	U	0.044	U	0.045	U	0.052	U	0.045	U	0.22	U	0.22	U	0.043	U
2-Chlorophenol	~	0.044	U	0.046	U	0.044	U	0.044	U	0.045	U	0.052	U	0.045	U	0.22	U	0.22	U	0.043	U
2-Methylnaphthalene	~	0.044	U	0.046	U	0.044	U	0.044	U	0.045	U	0.052	U	0.045	U	21.10	D	0.22	U	0.13	D
2-Methylphenol	0.33	0.044	U	0.046	U	0.044	U	0.044	U	0.045	U	0.052	U	0.045	U	0.22	U	0.22	U	0.043	U
2-Nitroaniline	~	0.087	U	0.091	U	0.087	U	0.088	U	0.089	U	0.10	U	0.090	U	0.43	U	0.44	U	0.086	U
2-Nitrophenol	~	0.044	U	0.046	U	0.044	U	0.044	U	0.045	U	0.052	U	0.045	U	0.22	U	0.22	U	0.043	U
3- & 4-Methylphenols	~	0.044	U	0.046	U	0.044	U	0.044	U	0.045	U	0.052	U	0.045	U	0.22	U	0.22	U	0.043	U
3,3'-Dichlorobenzidine	~	0.044	U	0.046	U	0.044	U	0.044	U	0.045	U	0.052	U	0.045	U	0.22	U	0.22	U	0.043	U
3-Nitroaniline	~	0.087	U	0.091	U	0.087	U	0.088	U	0.089	U	0.10	U	0.090	U	0.43	U	0.44	U	0.086	U
4,6-Dinitro-2-methylphenol	~	0.087	U	0.091	U	0.087	U	0.088	U	0.089	U	0.10	U	0.090	U	0.43	U	0.44	U	0.086	U
4-Bromophenyl phenyl ether	~	0.044	U	0.046	U	0.044	U	0.044	U	0.045	U	0.052	U	0.045	U	0.22	U	0.22	U	0.043	U
4-Chloro-3-methylphenol	~	0.044	U	0.046	U	0.044	U	0.044	U	0.045	U	0.052	U	0.045	U	0.22	U	0.22	U	0.043	U

Table 1
Summary of Soil Boring Analytical Data

Sample ID Sample Dsepth (approx.) York ID Sampling Date Matrix	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	SB-1 37.5' - 38.5' 16F0682-01 06/14/16 Soil		SB-2 9' - 10' 16F0682-02 06/14/16 Soil		SB-4 9' - 10' 16F0682-03 06/14/16 Soil		SB-5 38' - 39' 16F0682-04 06/14/16 Soil		SB-6 37' - 38' 16F0682-05 06/15/16 Soil		SB-7 1' - 2' 16F0682-06 06/15/16 Soil		SB-8 9' - 10' 16F0682-07 06/15/16 Soil		SB-8.2 37' - 38' 16F0682-08 06/15/16 Soil		SB-9 12' - 13' 16F0682-09 06/15/16 Soil		SB-10 1' - 2' 16F0682-10 06/16/16 Soil	
Compound		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
4-Chloroaniline	~	0.044	U	0.046	U	0.044	U	0.044	U	0.045	U	0.052	U	0.045	U	0.22	U	0.22	U	0.043	U
4-Chlorophenyl phenyl ether	~	0.044	U	0.046	U	0.044	U	0.044	U	0.045	U	0.052	U	0.045	U	0.22	U	0.22	U	0.043	U
4-Nitroaniline	~	0.087	U	0.091	U	0.087	U	0.088	U	0.089	U	0.10	U	0.090	U	0.43	U	0.44	U	0.086	U
4-Nitrophenol	~	0.087	U	0.091	U	0.087	U	0.088	U	0.089	U	0.10	U	0.090	U	0.43	U	0.44	U	0.086	U
Acenaphthene	20	0.044	U	0.046	U	0.044	U	0.044	U	0.045	U	0.052	U	0.045	U	1.10	D	0.22	U	0.043	U
Acenaphthylene	100	0.044	U	0.046	U	0.044	U	0.044	U	0.045	U	0.052	U	0.045	U	0.22	U	0.22	U	0.043	U
Acetophenone	~	0.044	U	0.046	U	0.044	U	0.044	U	0.045	U	0.052	U	0.045	U	0.22	U	0.22	U	0.043	U
Aniline	~	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U	0.21	U	0.18	U	0.87	U	0.89	U	0.17	U
Anthracene	100	0.044	U	0.046	U	0.044	U	0.044	U	0.045	U	0.073	JD	0.045	U	0.81	D	0.22	U	0.043	U
Atrazine	~	0.044	U	0.046	U	0.044	U	0.044	U	0.045	U	0.052	U	0.045	U	0.22	U	0.22	U	0.043	U
Benzaldehyde	~	0.044	U	0.046	U	0.044	U	0.044	U	0.045	U	0.052	U	0.045	U	0.22	U	0.22	U	0.043	U
Benzidine	~	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U	0.21	U	0.18	U	0.87	U	0.89	U	0.17	U
Benzo(a)anthracene	1	0.044	U	0.046	U	0.044	U	0.044	U	0.045	U	0.24	D	0.045	U	0.75	D	0.22	U	0.043	U
Benzo(a)pyrene	1	0.044	U	0.046	U	0.044	U	0.044	U	0.045	U	0.34	D	0.045	U	0.39	JD	0.22	U	0.043	U
Benzo(b)fluoranthene	1	0.044	U	0.046	U	0.044	U	0.044	U	0.045	U	0.25	D	0.045	U	0.22	U	0.22	U	0.043	U
Benzo(g,h,i)perylene	100	0.044	U	0.046	U	0.044	U	0.044	U	0.045	U	0.22	D	0.062	JD	0.40	JD	0.22	U	0.043	U
Benzo(k)fluoranthene	0.8	0.044	U	0.046	U	0.044	U	0.044	U	0.045	U	0.33	D	0.045	U	0.22	U	0.22	U	0.043	U
Benzoic acid	~	0.044	U	0.046	U	0.044	U	0.044	U	0.045	U	0.052	U	0.045	U	0.22	U	0.22	U	0.043	U
Benzyl alcohol	~	0.044	U	0.046	U	0.044	U	0.044	U	0.045	U	0.052	U	0.045	U	0.22	U	0.22	U	0.043	U
Benzyl butyl phthalate	~	0.044	U	0.046	U	0.044	U	0.044	U	0.045	U	0.052	U	0.045	U	0.22	U	0.22	U	0.043	U
Bis(2-chloroethoxy)methane	~	0.044	U	0.046	U	0.044	U	0.044	U	0.045	U	0.052	U	0.045	U	0.22	U	0.22	U	0.043	U
Bis(2-chloroethyl)ether	~	0.044	U	0.046	U	0.044	U	0.044	U	0.045	U	0.052	U	0.045	U	0.22	U	0.22	U	0.043	U
Bis(2-chloroisopropyl)ether	~	0.044	U	0.046	U	0.044	U	0.044	U	0.045	U	0.052	U	0.045	U	0.22	U	0.22	U	0.043	U
Bis(2-ethylhexyl)phthalate	~	0.044	U	0.046	U	0.044	U	0.044	U	0.045	U	0.052	U	0.045	U	0.22	U	0.22	U	0.050	JD
Caprolactam	~	0.087	U	0.091	U	0.087	U	0.088	U	0.089	U	0.10	U	0.090	U	0.43	U	0.44	U	0.086	U
Carbazole	~	0.044	U	0.046	U	0.044	U	0.044	U	0.045	U	0.052	U	0.045	U	0.22	U	0.22	U	0.043	U
Chrysene	1	0.044	U	0.046	U	0.044	U	0.044	U	0.045	U	0.32	D	0.045	U	1.93	D	0.22	U	0.054	JD
Dibenzo(a,h)anthracene	0.33	0.044	U	0.046	U	0.044	U	0.044	U	0.045	U	0.072	JD	0.045	U	0.22	U	0.22	U	0.043	U
Dibenzofuran	7	0.044	U	0.046	U	0.044	U	0.044	U	0.045	U	0.052	U	0.045	U	0.74	D	0.22	U	0.043	U
Diethyl phthalate	~	0.044	U	0.046	U	0.044	U	0.044	U	0.045	U	0.052	U	0.045	U	0.22	U	0.22	U	0.043	U
Dimethyl phthalate	~	0.044	U	0.046	U	0.044	U	0.044	U	0.045	U	0.052	U	0.045	U	0.22	U	0.22	U	0.043	U
Di-n-butyl phthalate	~	0.044	U	0.046	U	0.044	U	0.044	U	0.045	U	0.052	U	0.045	U	0.22	U	0.22	U	0.043	U
Di-n-octyl phthalate	~	0.044	U	0.046	U	0.044	U	0.044	U	0.045	U	0.052	U	0.045	U	0.22	U	0.22	U	0.043	U
Fluoranthene	100	0.044	U	0.046	U	0.044	U	0.044	U	0.045	U	0.67	D	0.045	U	0.77	D	0.22	U	0.043	U
Fluorene	30	0.044	U	0.046	U	0.044	U	0.044	U	0.045	U	0.052	U	0.045	U	2.02	D	0.22	U	0.043	U
Hexachlorobenzene	0.33	0.044	U	0.046	U	0.044	U	0.044	U	0.045	U	0.052	U	0.045	U	0.22	U	0.22	U	0.043	U
Hexachlorobutadiene	~	0.044	U	0.046	U	0.044	U	0.044	U	0.045	U	0.052	U	0.045	U	0.22	U	0.22	U	0.043	U
Hexachlorocyclopentadiene	~	0.044	U	0.046	U	0.044	U	0.044	U	0.045	U	0.052	U	0.045	U	0.22	U	0.22	U	0.043	U
Hexachloroethane	~	0.044	U	0.046	U	0.044	U	0.044	U	0.045	U	0.052	U	0.045	U	0.22	U	0.22	U	0.043	U
Indeno(1,2,3-cd)pyrene	0.5	0.044	U	0.046	U	0.044	U	0.044	U	0.045	U	0.17	D	0.045	U	0.22	U	0.22	U	0.043	U
Isophorone	~	0.044	U	0.046	U	0.044	U	0.044	U	0.045	U	0.052	U	0.045	U	0.22	U	0.22	U	0.043	U
Naphthalene	12	0.044	U	0.046	U	0.044	U	0.044	U	0.045	U	0.052	U	0.045	U	7.13	D	0.22	U	0.043	U
Nitrobenzene	~	0.044	U	0.046	U	0.044	U	0.044	U	0.045	U	0.052	U	0.045	U	0.22	U	0.22	U	0.043	U
N-Nitrosodimethylamine	~	0.044	U	0.046	U	0.044	U	0.044	U	0.045	U	0.052	U	0.045	U	0.22	U	0.22	U	0.043	U
N-nitroso-di-n-propylamine	~	0.044	U	0.046	U	0.044	U	0.044	U	0.045	U	0.052	U	0.045	U	0.22	U	0.22	U	0.043	U
N-Nitrosodiphenylamine	~	0.044	U	0.046	U	0.044	U	0.044	U	0.045	U	0.052	U	0.045	U	0.22	U	0.22	U	0.043	U
Pentachlorophenol	0.8	0.044	U	0.046	U	0.044	U	0.044	U	0.045	U	0.052	U	0.045	U	0.22	U	0.22	U	0.043	U
Phenanthrene	100	0.044	U	0.046	U	0.044	U	0.044	U	0.045	U	0.35	D	0.045	U	5.78	D	0.22	U	0.10	D
Phenol	0.33	0.044	U	0.046	U	0.044	U	0.044	U	0.045	U	0.052	U	0.045	U	0.22	U	0.22	U	0.043	U

Table 1
Summary of Soil Boring Analytical Data

Sample ID Sample Dsepth (approx.) York ID Sampling Date Matrix	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	SB-1 37.5' - 38.5' 16F0682-01 06/14/16 Soil		SB-2 9' - 10' 16F0682-02 06/14/16 Soil		SB-4 9' - 10' 16F0682-03 06/14/16 Soil		SB-5 38' - 39' 16F0682-04 06/14/16 Soil		SB-6 37' - 38' 16F0682-05 06/15/16 Soil		SB-7 1' - 2' 16F0682-06 06/15/16 Soil		SB-8 9' - 10' 16F0682-07 06/15/16 Soil		SB-8.2 37' - 38' 16F0682-08 06/15/16 Soil		SB-9 12' - 13' 16F0682-09 06/15/16 Soil		SB-10 1' - 2' 16F0682-10 06/16/16 Soil	
Compound		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Pyrene	100	0.044	U	0.046	U	0.044	U	0.044	U	0.045	U	0.60	D	0.045	U	1.94	D	0.22	U	0.073	JD
Metals, Target Analyte Dilution Factor	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
		1		1		1		1		1		1		1		1		1		1	
Aluminum	~	2,780		3,600		3,900		3,710		2,310		9,300		6,280		2,570		3,810		4,790	
Antimony	~	0.52	U	0.55	U	0.52	U	0.53	U	0.54	U	0.62	U	0.54		0.52	U	0.53	U	0.52	U
Arsenic	13	1.04	U	1.09	U	1.05	U	1.05	U	1.07	U	7.02		2.35		1.04	U	1.06	U	1.04	U
Barium	350	19.50		11.80		22.20		23.40		15.50		133		31.90		18.60		39.60		28.20	
Beryllium	7.2	0.10	U	0.14		0.13		0.11	U	0.11	U	0.25		0.11	U	0.10	U	0.11		0.10	U
Cadmium	2.5	0.31	U	0.33	U	0.31	U	0.32	U	0.32	U	0.38		0.32	U	0.31	U	0.32	U	0.31	U
Calcium	~	704		365		608		727		575		18,200		16,000		832		648		5,640	
Chromium	~	7.89		7.57		8.01		9.57		4.78		14.20		17.30		13.70		8.05		8.17	
Cobalt	~	4.35		3.64		3.95		3.96		2.68		6.41		4.80		3.78		4.63		4.28	
Copper	50	8.52		9.84		11		8.26		6.29		34.80		21.20		17.20		8.32		9.41	
Iron	~	18,500		15,200		17,900		12,900		11,200		14,500		30,800		25,200		15,600		16,500	
Lead	63	1.84		5.64		5.09		2.13		1.13		235		21.50		2.61		429		6.02	
Magnesium	~	1,110		1,190		1,400		1,820		931		2,600		1,730		1,040		1,130		2,220	
Manganese	1600	414		204		263		287		218		408		351		350		336		347	
Nickel	30	8.26		7.53		7.78		11.70		4.84		13.30		13.70		12.80		9.29		7.60	
Potassium	~	475		210		348		651		341		1,050		1,130		520		448		662	
Selenium	3.9	1.50		1.09	U	1.05	U	1.05	U	1.07	U	1.90		1.23		1.55		1.06	U	1.04	U
Silver	2	0.52	U	0.55	U	0.52	U	0.53	U	0.54	U	0.62	U	0.54	U	0.52	U	0.53	U	0.52	U
Sodium	~	14.60		10.90	U	10.50	U	45.90		10.70	U	176		460		63.10		107		249	
Thallium	~	1.04	U	1.09	U	1.05	U	1.05	U	1.07	U	1.24	U	1.08	U	1.04	U	1.06	U	1.04	U
Vanadium	~	21		14.30		15.10		17		10.20		23		18.50		22.50		19.20		20.30	
Zinc	109	14.90		26.90		15.50		15.20		10		140		32.60		11.50		46.70		17.40	
Mercury by 7473 Dilution Factor	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
		1		1		1		1		1		1		1		1		1		1	
Mercury	0.18	0.031	U	0.033	U	0.031	U	0.032	U	0.032	U	1.37		0.10		0.031	U	0.032	U	0.031	U
Total Solids Dilution Factor		%		%		%		%		%		%		%		%		%		%	
		1		1		1		1		1		1		1		1		1		1	
% Solids	~	95.80		91.30		95.50		95.30		93.40		81		92.80		96.10		94		96.50	

NOTES:
Any Regulatory Exceedences are color coded by Regulation

Q is the Qualifier Column with definitions as follows:
D=result is from an analysis that required a dilution
J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
U=analyte not detected at or above the level indicated
~=this indicates that no regulatory limit has been established for this analyte

Table 2
Summary of Groundwater Analytical Data

Sample ID York ID Sampling Date Matrix	NYSDEC TOGS Standards and Guidance Values -	SB-1 GW 16F0682-11 6/14/2016 11:20:00 AM Water		SB-5 GW 16F0682-12 6/14/2016 2:55:00 PM Water	
Compound	GA	Result	Q	Result	Q
Volatile Organics, 8260 - Comprehensive	ug/L	ug/L		ug/L	
Dilution Factor		1		1	
1,1,1,2-Tetrachloroethane	5	0.20	U	0.20	U
1,1,1-Trichloroethane	5	0.20	U	0.20	U
1,1,2,2-Tetrachloroethane	5	0.20	U	0.20	U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5	0.20	U	0.20	U
1,1,2-Trichloroethane	1	0.20	U	0.20	U
1,1-Dichloroethane	5	0.20	U	0.20	U
1,1-Dichloroethylene	5	0.20	U	0.20	U
1,2,3-Trichlorobenzene	5	0.20	U	0.20	U
1,2,3-Trichloropropane	0.04	0.20	U	0.20	U
1,2,4-Trichlorobenzene	5	0.20	U	0.20	U
1,2,4-Trimethylbenzene	5	0.20	U	0.20	U
1,2-Dibromo-3-chloropropane	0.04	0.20	U	0.20	U
1,2-Dibromoethane	5	0.20	U	0.20	U
1,2-Dichlorobenzene	3	0.20	U	0.20	U
1,2-Dichloroethane	0.6	0.20	U	0.20	U
1,2-Dichloropropane	1	0.20	U	0.20	U
1,3,5-Trimethylbenzene	5	0.20	U	0.20	U
1,3-Dichlorobenzene	3	0.20	U	0.20	U
1,4-Dichlorobenzene	3	0.20	U	0.20	U
1,4-Dioxane	~	40	U	40	U
2-Butanone	50	0.20	U	0.20	U
2-Hexanone	50	0.20	U	0.20	U
4-Methyl-2-pentanone	~	0.20	U	0.20	U
Acetone	50	2.10	B	2.20	B
Acrolein	~	0.20	U	0.20	U
Acrylonitrile	~	0.20	U	0.20	U
Benzene	1	0.93		0.20	U
Bromochloromethane	5	0.20	U	0.20	U
Bromodichloromethane	50	0.20	U	0.20	U
Bromoform	50	0.20	U	0.20	U
Bromomethane	5	0.20	U	0.20	U
Carbon disulfide	~	0.25	J	0.20	U
Carbon tetrachloride	5	0.20	U	0.20	U
Chlorobenzene	5	0.20	U	0.20	U
Chloroethane	5	0.20	U	0.20	U
Chloroform	7	0.20	U	19	
Chloromethane	5	0.20	U	0.20	U
cis-1,2-Dichloroethylene	5	0.20	U	0.20	U
cis-1,3-Dichloropropylene	0.4	0.20	U	0.20	U
Cyclohexane	~	0.20	U	0.20	U
Dibromochloromethane	50	0.20	U	0.20	U
Dibromomethane	~	0.20	U	0.20	U
Dichlorodifluoromethane	5	0.20	U	0.20	U
Ethyl Benzene	5	0.20	U	0.20	U
Hexachlorobutadiene	0.5	0.20	U	0.20	U
Isopropylbenzene	5	0.24	J	0.20	U
Methyl acetate	~	0.20	U	0.20	U
Methyl tert-butyl ether (MTBE)	10	0.20	U	0.20	U

Table 2
Summary of Groundwater Analytical Data

Sample ID York ID Sampling Date Matrix	NYSDEC TOGS Standards and Guidance Values -	SB-1 GW 16F0682-11 6/14/2016 11:20:00 AM Water		SB-5 GW 16F0682-12 6/14/2016 2:55:00 PM Water	
Compound	GA	Result	Q	Result	Q
Methylcyclohexane	~	0.20	U	0.20	U
Methylene chloride	5	1	U	1	U
n-Butylbenzene	5	0.20	U	0.20	U
n-Propylbenzene	5	0.20	U	0.20	U
o-Xylene	5	0.20	U	0.20	U
p- & m- Xylenes	5	0.50	U	0.50	U
p-Isopropyltoluene	5	0.20	U	0.20	U
sec-Butylbenzene	5	0.21	J	0.20	U
Styrene	5	0.20	U	0.20	U
tert-Butyl alcohol (TBA)	~	0.50	U	0.50	U
tert-Butylbenzene	5	0.20	U	0.20	U
Tetrachloroethylene	5	0.20	U	0.48	J
Toluene	5	0.20	U	0.34	J
trans-1,2-Dichloroethylene	5	0.20	U	0.20	U
trans-1,3-Dichloropropylene	0.4	0.20	U	0.20	U
Trichloroethylene	5	0.20	U	0.20	U
Trichlorofluoromethane	5	0.20	U	0.20	U
Vinyl Chloride	2	0.20	U	0.20	U
Xylenes, Total	5	0.60	U	0.60	U
Semi-Volatiles, 8270 - Comprehensive					
Dilution Factor	ug/L	ug/L		ug/L	
1,1'-Biphenyl	~	1		1	
1,2,4,5-Tetrachlorobenzene	~	2.56	U	2.56	U
1,2,4-Trichlorobenzene	5	2.56	U	2.56	U
1,2-Dichlorobenzene	3	2.56	U	2.56	U
1,2-Diphenylhydrazine (as Azobenzene)	~	2.56	U	2.56	U
1,3-Dichlorobenzene	3	2.56	U	2.56	U
1,4-Dichlorobenzene	3	2.56	U	2.56	U
2,3,4,6-Tetrachlorophenol	~	2.56	U	2.56	U
2,4,5-Trichlorophenol	1	2.56	U	2.56	U
2,4,6-Trichlorophenol	1	2.56	U	2.56	U
2,4-Dichlorophenol	5	2.56	U	2.56	U
2,4-Dimethylphenol	50	2.56	U	2.56	U
2,4-Dinitrophenol	10	2.56	U	2.56	U
2,4-Dinitrotoluene	5	2.56	U	2.56	U
2,6-Dinitrotoluene	5	2.56	U	2.56	U
2-Chloronaphthalene	10	2.56	U	2.56	U
2-Chlorophenol	1	2.56	U	2.56	U
2-Methylnaphthalene	~	2.56	U	2.56	U
2-Methylphenol	1	2.56	U	2.56	U
2-Nitroaniline	5	2.56	U	2.56	U
2-Nitrophenol	1	2.56	U	2.56	U
3- & 4-Methylphenols	~	2.56	U	2.56	U
3,3'-Dichlorobenzidine	5	2.56	U	2.56	U
3-Nitroaniline	5	2.56	U	2.56	U
4,6-Dinitro-2-methylphenol	~	2.56	U	2.56	U
4-Bromophenyl phenyl ether	~	2.56	U	2.56	U
4-Chloro-3-methylphenol	1	2.56	U	2.56	U
4-Chloroaniline	5	2.56	U	2.56	U
4-Chlorophenyl phenyl ether	~	2.56	U	2.56	U

Table 2
Summary of Groundwater Analytical Data

Sample ID York ID Sampling Date Matrix	NYSDEC TOGS Standards and Guidance Values - GA	SB-1 GW 16F0682-11 6/14/2016 11:20:00 AM Water		SB-5 GW 16F0682-12 6/14/2016 2:55:00 PM Water	
		Result	Q	Result	Q
Compound					
4-Nitroaniline	5	2.56	U	2.56	U
4-Nitrophenol	1	2.56	U	2.56	U
Acenaphthene	20	0.14		0.051	U
Acenaphthylene	~	0.051	U	0.051	U
Acetophenone	~	2.56	U	2.56	U
Aniline	5	2.56	U	2.56	U
Anthracene	50	0.14		0.051	U
Atrazine	~	0.51	U	0.51	U
Benzaldehyde	~	2.56	U	2.56	U
Benzidine	~	10.30	U	10.30	U
Benzo(a)anthracene	0.002	0.051	U	0.051	U
Benzo(a)pyrene	0.002	0.051	U	0.051	U
Benzo(b)fluoranthene	0.002	0.051	U	0.051	U
Benzo(g,h,i)perylene	~	0.051	U	0.051	U
Benzo(k)fluoranthene	0.002	0.051	U	0.051	U
Benzoic acid	~	25.60	U	25.60	U
Benzyl alcohol	~	2.56	U	2.56	U
Benzyl butyl phthalate	50	2.56	U	2.56	U
Bis(2-chloroethoxy)methane	5	2.56	U	2.56	U
Bis(2-chloroethyl)ether	1	2.56	U	2.56	U
Bis(2-chloroisopropyl)ether	5	2.56	U	2.56	U
Bis(2-ethylhexyl)phthalate	5	0.51	U	0.51	U
Caprolactam	~	2.56	U	2.56	U
Carbazole	~	2.56	U	2.56	U
Chrysene	0.002	0.051	U	0.051	U
Dibenzo(a,h)anthracene	~	0.051	U	0.051	U
Dibenzofuran	~	2.56	U	2.56	U
Diethyl phthalate	50	2.56	U	2.56	U
Dimethyl phthalate	50	2.56	U	2.56	U
Di-n-butyl phthalate	50	2.56	U	2.56	U
Di-n-octyl phthalate	50	2.56	U	2.56	U
Fluoranthene	50	0.062		0.051	U
Fluorene	50	0.32		0.051	U
Hexachlorobenzene	0.04	0.021	U	0.021	U
Hexachlorobutadiene	0.5	0.51	U	0.51	U
Hexachlorocyclopentadiene	5	2.56	U	2.56	U
Hexachloroethane	5	0.51	U	0.51	U
Indeno(1,2,3-cd)pyrene	0.002	0.051	U	0.051	U
Isophorone	50	2.56	U	2.56	U
Naphthalene	10	0.15		0.16	
Nitrobenzene	0.4	0.26	U	0.26	U
N-Nitrosodimethylamine	~	0.51	U	0.51	U
N-nitroso-di-n-propylamine	~	2.56	U	2.56	U
N-Nitrosodiphenylamine	50	2.56	U	2.56	U
Pentachlorophenol	1	0.26	U	0.26	U
Phenanthrene	50	0.10		0.051	U
Phenol	1	2.56	U	2.56	U
Pyrene	50	0.14		0.051	U

NOTES:

Any Regulatory Exceedences are highlighted

Table 2
Summary of Groundwater Analytical Data

Sample ID York ID Sampling Date Matrix	NYSDEC TOGS Standards and Guidance Values - GA	SB-1 GW 16F0682-11 6/14/2016 11:20:00 AM Water		SB-5 GW 16F0682-12 6/14/2016 2:55:00 PM Water	
		Result	Q	Result	Q
Compound					

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

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

DRAFT

Table 3
Summary of Soil Vapor Analytical Data

Sample ID York ID Sampling Date Matrix	NYSDOH Guidance		AA-01 16F0665-01 6/16/16 Ambient Air		SV-01 16F0665-02 6/16/16 Soil Vapor		SV-02 16F0665-03 6/16/16 Soil Vapor	
	Indoor Air		Result	Q	Result	Q	Result	Q
	25th Pctl	75th Pctl						
Compound	ug/m3	ug/m3	ug/m3		ug/m3		ug/m3	
TO-15 VOCs								
1,1,1-Trichloroethane ²	0.25	1.1	0.57	U	12	U	13	U
1,2,4-Trimethylbenzene	0.7	4.3	6.10	D	120	D	99	D
1,3-Butadiene	NA	NA	1.80	D	15	U	15	U
2-Butanone	1.4	7.3	11	D	15	D	6.90	U
2-Hexanone	NA	NA	0.85	U	18	U	19	U
Acetone	9.9	52	16	D	46	D	24	D
Benzene	1.1	5.9	5.60	D	15	D	14	D
Carbon disulfide	NA	NA	0.48	D	6.80	U	7.30	U
Carbon tetrachloride ¹	0.25	1.3	0.16	U	3.40	U	3.70	U
Chloromethane	0.25	1.8	2.30	D	4.50	U	4.80	U
Cyclohexane	0.25	2.6	3.40	D	7.50	U	8	U
Dichlorodifluoromethane	0.25	4.1	2.40	D	11	U	12	U
Isopropanol	NA	NA	8	D	11	U	11	U
n-Heptane	1	7.6	5.70	D	26	D	16	D
n-Hexane	0.60	5.9	17	D	20	D	18	D
p- & m- Xylenes	0.5	4.6	25	D	280	D	230	D
Tetrachloroethylene (PCE) ²	0.25	1.1	2	D	15	D	55	D
Tetrahydrofuran	0.25	0.4	14	D	13	U	14	U
Toluene	3.5	25	26	D	170	D	140	D
Trichloroethylene (TCE) ¹	0.25	0.25	0.14	U	41	D	180	D
Trichlorofluoromethane (Freon 11)	1.1	5.4	1.30	D	12	U	13	U

NOTES:

NA - Not Available

ND - Not Detected at or above MDL (method detection limit)

ug/m3 - micrograms per cubic meter

NYSDOH Guidance - New York State Department of Health Guidance for Evaluating Soil Vapor Intrusion

Bolded values indicate the detected concentration exceeds the Soil Vapor Intrusion for 25th and 75th percentile

¹ Subject to NYSDOH Soil Vapor/Indoor Air Matrix 1

² Subject to NYSDOH Soil Vapor/Indoor Air Matrix 2

Q is the Qualifier Column with definitions as follows:

D=result is from an analysis that required a dilution

U=analyte not detected at or above the level indicated

APPENDIX A
SOIL BORING LOGS

DRAFT

BORING LOG

Environmental Building Solutions, LLC. 494 Eighth Avenue, Suite 1403 New York, NY 10001 646-290-5925				Client: LSC Development, LLC		Boring No.: SB-1
				Project Location: 2840 Atlantic Avenue Brooklyn, New York		Boring Location: See Figure 2
				EBS Project No.: 161280		
				Driller: ZEBRA		
Inspector: John Mascioli				Drilling Method: Geoprobe		
				Sampling Method: MC		
Groundwater: ~38.5"						Date: June 14, 2016
Depth (ft.)	Sample Interval	Density Moisture	PID Reading (ppm)	Lithology and Field Observations		
0-6"	SB-1		0	Asphalt		
6"-40'	37.5-38.5'		0 - 0.2	Brown sand and gravel		
				A slight petroleum odor/sheen was noted on groundwater during purging of temporary well.		
				End of Boring @ 40' bgs.		

A= Auger MC= Macrocore HAS= Hollow Stem Auger HA= Hand Auger
 Trace: 0-10% Little: 10-20% Some: 20-30%
 C= coarse M= medium F= fine

[illegible]

A= Auger MC= Macrocore HAS= Hollow Stem Auger HA= Hand Auger
Trace: 0-10% Little: 10-20% Some: 20-30%
C= coarse M= medium F= fine

BORING LOG

Environmental Building Solutions, LLC.
494 Eighth Avenue, Suite 1403
New York, NY 10001
646-290-5925

Client: LSC Development, LLC

Boring No.:	SB-3
--------------------	-------------

Project Location:	2840 Atlantic Avenue Brooklyn, New York
--------------------------	--

Boring Location:

EBS Project No.:	161280
-------------------------	---------------

See Figure 2

Driller: ZEBRA

Drilling Method:	Geoprobe
-------------------------	----------

Inspector: John Mascioli

Sampling Method: MC

Groundwater: Not Encountered

Date: June 14, 2016

[illegible]

A= Auger MC= Macrocore HAS= Hollow Stem Auger HA= Hand Auger

Trace: 0-10% Little: 10-20% Some: 20-30%

C= coarse M= medium F= fine

BORING LOG

Environmental Building Solutions, LLC.
494 Eighth Avenue, Suite 1403
New York, NY 10001
646-290-5925

Client: LSC Development, LLC

Boring No.:	SB-4
--------------------	-------------

Project Location:	2840 Atlantic Avenue Brooklyn, New York
--------------------------	--

Boring Location:

EBS Project No.:	161280
-------------------------	---------------

See Figure 2

Driller: ZEBRA

Drilling Method:	Geoprobe
-------------------------	----------

Inspector: John Mascioli

Sampling Method:	MC
-------------------------	-----------

Groundwater: Not Encountered

Date: June 14, 2016

[illegible]

A= Auger MC= Macrocore HAS= Hollow Stem Auger HA= Hand Auger

Trace: 0-10% Little: 10-20% Some: 20-30%

C= coarse M= medium F= fine

[illegible]

A= Auger MC= Macrocore HAS= Hollow Stem Auger HA= Hand Auger
Trace: 0-10% Little: 10-20% Some: 20-30%
C= coarse M= medium F= fine

[illegible]

A= Auger MC= Macrocore HAS= Hollow Stem Auger HA= Hand Auger
Trace: 0-10% Little: 10-20% Some: 20-30%
C= coarse M= medium F= fine

[illegible]

A= Auger MC= Macrocore HAS= Hollow Stem Auger HA= Hand Auger
Trace: 0-10% Little: 10-20% Some: 20-30%
C= coarse M= medium F= fine

BORING LOG

Environmental Building Solutions, LLC. 494 Eighth Avenue, Suite 1403 New York, NY 10001 646-290-5925				Client: LSC Development, LLC		Boring No.: SB-8
				Project Location: 2840 Atlantic Avenue Brooklyn, New York		Boring Location: See Figure 2
				EBS Project No.: 161280		
				Driller: ZEBRA		
Inspector: John Mascioli				Drilling Method: Geoprobe		
				Sampling Method: MC		
Groundwater: ~38'						Date: June 15, 2016
Depth (ft.)	Sample Interval	Density Moisture	PID Reading (ppm)	Lithology and Field Observations		
0-6"	SB-8		0	Concrete slab		
6"-25'	9-10'		0	Brown sand & gravel		
25'-30'	SB-8.2 37-38'		5 - 60	Brown/dark brown sand (slight petroleum odor)		
30'-35'			30 - 90	Brown/dark brown sand (petroleum staining and heavy petroleum odor)		
35'-40'			40 - 100	Brown/dark brown sand (heavy petroleum staining and heavy petroleum odor)		
				Installed a temp. well at 40' bgs and could not obtain groundwater sample due to screen of temp well filled with what appeared to be fuel oil (photo included in report).		

A= Auger MC= Macrocore HAS= Hollow Stem Auger HA= Hand Auger
 Trace: 0-10% Little: 10-20% Some: 20-30%
 C= coarse M= medium F= fine

BORING LOG

Environmental Building Solutions, LLC. 494 Eighth Avenue, Suite 1403 New York, NY 10001 646-290-5925				Client: LSC Development, LLC		Boring No.: SB-9
				Project Location: 2840 Atlantic Avenue Brooklyn, New York		Boring Location: See Figure 2
				EBS Project No.: 161280		
Driller: ZEBRA				Drilling Method: Geoprobe		
Inspector: John Mascioli				Sampling Method: MC		
Groundwater:						Date: June 15, 2016
Depth (ft.)	Sample Interval	Density Moisture	PID Reading (ppm)	Lithology and Field Observations		
0-6"			0	Concrete slab		
6"-10'			5	Brown/black sand & gravel (slight petroleum odor)		
10'-13'	SB-9 12'-13'		25	Brown/black sand & gravel (slight petroleum odor)		
13'-13.5'			25	Wood (staining & petroleum odor)		
13.5'-15'			10	Brown/dark brown sand (slight petroleum odor)		
15'-20'			20-100	Brown/dark brown sand & gravel (heavy petroleum odor and heavy petroleum staining)		
20'-35'			100-150	Brown/dark brown sand & gravel (heavy petroleum odor and heavy petroleum staining)		
35'-40'			100-150	Brown/dark brown sand & gravel (heavy petroleum odor and heavy petroleum staining and free product)		

A= Auger MC= Macrocore HAS= Hollow Stem Auger HA= Hand Auger
 Trace: 0-10% Little: 10-20% Some: 20-30%
 C= coarse M= medium F= fine

[illegible]

A= Auger MC= Macrocore HAS= Hollow Stem Auger HA= Hand Auger
Trace: 0-10% Little: 10-20% Some: 20-30%
C= coarse M= medium F= fine

APPENDIX B
GEOPHYSICAL SURVEY REPORT

DRAFT

GPR
MAGNETICS
ELECTROMAGNETICS
SEISMICS
RESISTIVITY
UTILITY LOCATION
UXO DETECTION
BOREHOLE CAMERA
SEWER CAMERA
STAFF SUPPORT

June 4, 2016

Mr. John Mascioli
Environmental Building Solutions, LLC
494 Eighth Avenue, Suite 1403
New York, NY 10001

Dear Mr. Mascioli:

This letter is written to inform you of the results of a geophysical investigation NAEVA Geophysics conducted on June 3, 2016, at the Royal Plastics warehousing facility located at 2840 Atlantic Avenue in Brooklyn, New York. The purpose of our investigation was to search the parking lot for possible underground storage tanks (USTs) and to mark out detectable subsurface utilities and structures in the vicinities of proposed soil borings situated both outside and inside the building. Approximately half of the parking lot was occupied by vehicles and debris, and the majority of the building's interior floor space was occupied by stored materials; therefore this investigation should not be considered to be comprehensive.

The equipment selected for this investigation included a Fisher TW-6 Pipe and Cable Locator (a type of electromagnetic metal-detector), Subsite 950 and 3M Dynatel utility locators, a Malå RAMAC ground penetrating radar (GPR) system with a 250 MHz antenna, and a Sensors & Software Conquest high-frequency GPR system with a 1 GHz antenna.

Exterior Investigation

The Fisher TW-6 was carried over accessible portions of the parking lot in a series of closely-spaced parallel traverses to look for evidence of buried metallic features large enough to be USTs. Several such anomalies were identified. The most significant of these was a 4 by 6-foot anomaly located near the Schenck Avenue entrance, approximately where historical records indicated a gasoline tank once existed. The GPR data profiles collected across the anomaly occasionally displayed the parabolic reflections that are typically characteristic of USTs, but these reflections were not ideal exemplifications so a definite assertion of the presence of a UST is difficult to make. A linear feature that may represent a former remote fill line was traced between this suspected UST and the curb line using the Dynatel utility locator.

NEW YORK

225 N. Route 303
Suite 102
Congers
New York 10920
(845) 268-1800
(845) 268-1802 Fax

VIRGINIA

P.O. Box 7325
Charlottesville
Virginia 22906
(434) 978-3187
(434) 973-9791 Fax

The metal-detector identified another anomaly about 5 by 6 feet in extent in the south central portion of the parking lot. While the GPR data profiles collected across it did not provide any additional information as to the anomaly's source, due its size and shape, it may be prudent to carefully excavate it. Please note a catch basin is located about 6 feet east of the anomaly, but it was soil filled, so we were unable to determine the routing of its associated drain lines.

The southwest quarter of the parking lot, an area roughly 40 by 50 feet in size, elicited a strong response from the metal-detector. Possible explanations could include a sub-grade reinforced concrete slab or the presence of metallic or otherwise conductive fill material such as slag. This area was covered by disabled vehicles, debris, and dense vegetation, which prevented us from systematically investigating it further with GPR.

Several additional small metal-detector anomalies were identified in the parking-lot, but these were deemed too small to potentially represent USTs. A total of five proposed soil borings were placed by EBS in the parking lot; two near the suspected UST, two close to the second rectangular metal-detector anomaly, and one near the east end of the narrow extension, close to Barbey Street.

Interior Investigation

During a visual examination of the sidewalks surrounding the property, a vent pipe and an abandoned remote fill port were seen at the east side of the building, about 80 feet south of Atlantic Avenue. The lines associated with these features were traced into the building, where they terminated at an undocumented heating-oil UST located beneath the floor of the loading dock. The dimensions of the tank, as determined by the metal-detector, are approximately 6 by 24 feet, indicating a capacity of 4,000 to 5,000 gallons. A manway to the UST was situated at the west end of the tank. The piping that was visible in the manway could be seen entering into the basement about 10 feet to the north, where it connects to out-of-service pumping equipment. The UST was partially covered by steel racks filled with stored materials, which prevented us from collecting GPR data across the tank. NAEVA checked three proposed soil borings that EBS placed close to the UST. The only subsurface utilities identified in their vicinities were an east/west sewer that runs about 6 feet south of the tank, and the UST-related piping.

EBS placed an additional seven proposed soil borings near sewer-related features in the building; one near a manway at the west side of the eastern loading dock, one near each of the two manways in the western loading dock, and four close to floor drains in a long corridor at the south side of the building. While some utility-locating procedures were conducted and GPR data profiles were collected at each location, we were asked to vacate the building due to its closing before a thorough investigation of these seven locations could be completed.

The large interior heating-oil UST and its vent and remote fill lines were marked with yellow paint. The two suspected USTs, the metal-detector anomalies, and all other detected utilities were marked on the ground/floor with florescent pink paint.

Thank you for giving NAEVA the opportunity to provide geophysical services on your project. Please call me if I may answer any questions.

Sincerely,



Mark E. Weis
Senior Geologist/Manager-New York Operations
NAEVA Geophysics, Inc.

Attachment: Site Map

DRAFT

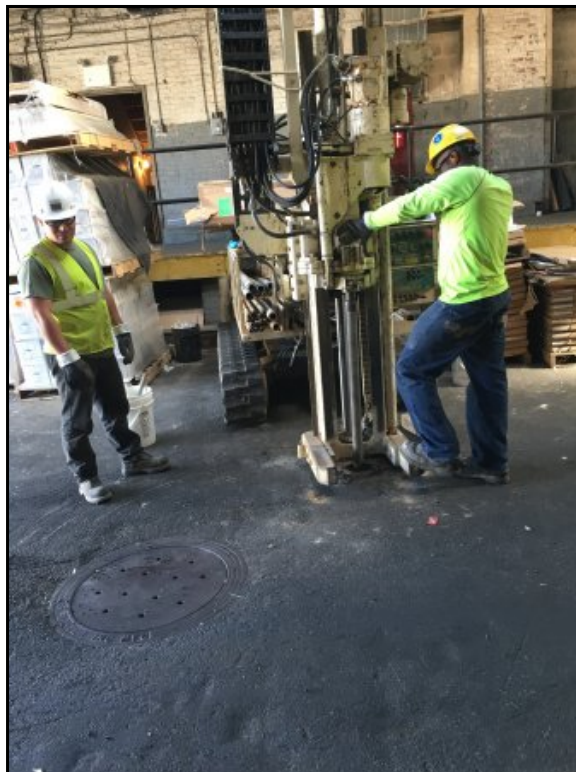
APPENDIX C
PHOTOGRAPH DOCUMENTATION



1 : View of suspected ~5,000-gal UST area



2 : View of suspected ~5,000-gal UST beneath manhole cover



3 : Drilling during Phase II ESI



4 : View of monitoring well on Barbey Street



5 : View of noted "free product" in monitoring well on Barbey Street



6 : View of soil borings with petroleum impacts



7 : View of soil borings with petroleum impacts



8 : Temp. well installed in MW-8 with
fuel oil on PVC



9 : PID screening soil boring



10 : Stained soil boring



11 : Heavy staining borings



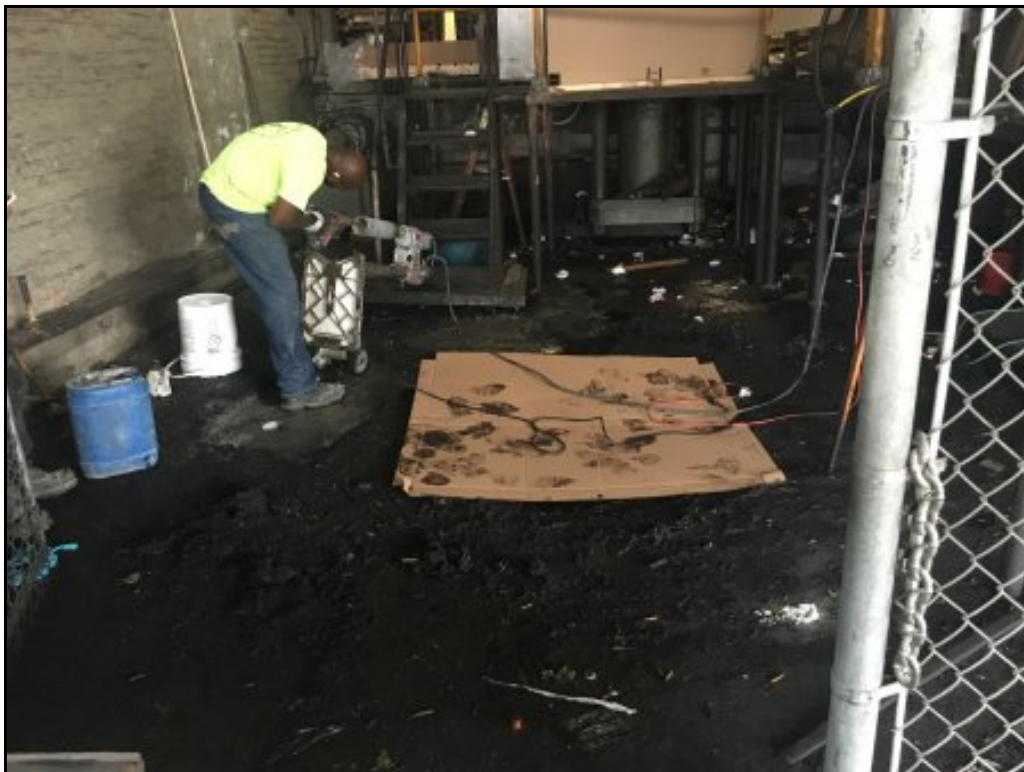
12 : View of hydraulic oil leak area at NE corner of Property



13 : Catch basin opened



14 : Catch basin filled with mostly hydraulic oil



15 : Concrete coring at hydraulic leak area



16 : UVOST sampling equipment



17 : UVOST sampling



18 : Soil borings during TPH sampling - staining noted

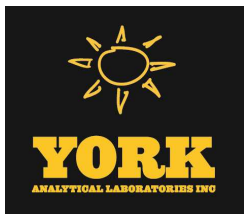


19 : Soil borings during TPH sampling - staining noted



20 : Soil borings during TPH sampling - heavy staining noted

APPENDIX D
LABORATORY ANALYTICAL REPORTS



Technical Report

prepared for:

Environmental Building Solutions, LLC

494 Eighth Avenue, Suite 1403

New York NY, 10001

Attention: John Mascioli

Report Date: 06/24/2016

Client Project ID: 161280

York Project (SDG) No.: 16F0682

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 06/24/2016
Client Project ID: 161280
York Project (SDG) No.: 16F0682

Environmental Building Solutions, LLC
494 Eighth Avenue, Suite 1403
New York NY, 10001
Attention: John Mascioli

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 17, 2016 and listed below. The project was identified as your project: **161280**.

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 Notes 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 attachment to this report, and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
16F0682-01	SB-1	Soil	06/14/2016	06/17/2016
16F0682-02	SB-2	Soil	06/14/2016	06/17/2016
16F0682-03	SB-4	Soil	06/14/2016	06/17/2016
16F0682-04	SB-5	Soil	06/14/2016	06/17/2016
16F0682-05	SB-6	Soil	06/15/2016	06/17/2016
16F0682-06	SB-7	Soil	06/15/2016	06/17/2016
16F0682-07	SB-8	Soil	06/15/2016	06/17/2016
16F0682-08	SB-8.2	Soil	06/15/2016	06/17/2016
16F0682-09	SB-9	Soil	06/15/2016	06/17/2016
16F0682-10	SB-10	Soil	06/16/2016	06/17/2016
16F0682-11	SB-1 GW	Water	06/14/2016	06/17/2016
16F0682-12	SB-5 GW	Water	06/14/2016	06/17/2016
16F0682-13	TB01	Water	06/16/2016	06/17/2016

General Notes for York Project (SDG) No.: 16F0682

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 samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By:

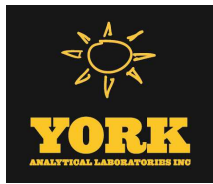


Benjamin Gulizia
Laboratory Director

Date: 06/24/2016



DRAFT



Sample Information

Client Sample ID: SB-1

York Sample ID: 16F0682-01

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Soil

Collection Date/Time

June 14, 2016 10:35 am

Date Received

06/17/2016

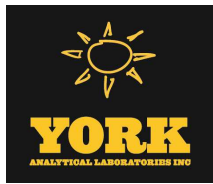
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 02:23	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 02:23	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 02:23	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 02:23	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 02:23	BK
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 02:23	BK
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 02:23	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 02:23	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 02:23	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 02:23	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 02:23	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	4.8	9.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 02:23	BK
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 02:23	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 02:23	BK
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 02:23	BK
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 02:23	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 02:23	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 02:23	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 02:23	BK
123-91-1	1,4-Dioxane	ND		ug/kg dry	48	96	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 02:23	BK
78-93-3	2-Butanone	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 02:23	BK



Sample Information

Client Sample ID: SB-1

York Sample ID: 16F0682-01

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Soil

Collection Date/Time

June 14, 2016 10:35 am

Date Received

06/17/2016

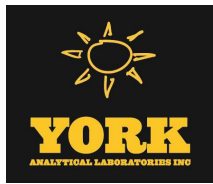
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 02:23	BK
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 02:23	BK
67-64-1	Acetone	ND		ug/kg dry	4.8	9.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 02:23	BK
107-02-8	Acrolein	ND		ug/kg dry	4.8	9.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 02:23	BK
107-13-1	Acrylonitrile	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 02:23	BK
71-43-2	Benzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 02:23	BK
74-97-5	Bromochloromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 02:23	BK
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 02:23	BK
75-25-2	Bromoform	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 02:23	BK
74-83-9	Bromomethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 02:23	BK
75-15-0	Carbon disulfide	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 02:23	BK
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 02:23	BK
108-90-7	Chlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 02:23	BK
75-00-3	Chloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 02:23	BK
67-66-3	Chloroform	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 02:23	BK
74-87-3	Chloromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 02:23	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 02:23	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 02:23	BK
110-82-7	Cyclohexane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 02:23	BK
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 02:23	BK
74-95-3	Dibromomethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 02:23	BK
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 02:23	BK



Sample Information

Client Sample ID: SB-1

York Sample ID: 16F0682-01

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Soil

Collection Date/Time

June 14, 2016 10:35 am

Date Received

06/17/2016

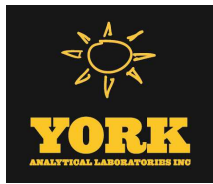
Volatile Organics, 8260 - Comprehensive

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	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 02:23	BK
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 02:23	BK
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 02:23	BK
79-20-9	Methyl acetate	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 02:23	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 02:23	BK
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 02:23	BK
75-09-2	Methylene chloride	ND		ug/kg dry	4.8	9.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 02:23	BK
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 02:23	BK
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 02:23	BK
95-47-6	o-Xylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	06/22/2016 16:44	06/23/2016 02:23	BK
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.8	9.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	06/22/2016 16:44	06/23/2016 02:23	BK
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 02:23	BK
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 02:23	BK
100-42-5	Styrene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 02:23	BK
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 02:23	BK
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 02:23	BK
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 02:23	BK
108-88-3	Toluene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 02:23	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 02:23	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 02:23	BK
79-01-6	Trichloroethylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 02:23	BK
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 02:23	BK



Sample Information

Client Sample ID: SB-1

York Sample ID: 16F0682-01

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Soil

Collection Date/Time

June 14, 2016 10:35 am

Date Received

06/17/2016

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	2.4	4.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 02:23	BK
1330-20-7	Xylenes, Total	ND		ug/kg dry	7.2	14	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 02:23	BK
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	95.8 %			77-125						
2037-26-5	Surrogate: Toluene-d8	101 %			85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	95.4 %			76-130						

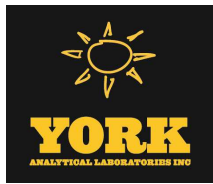
Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1'-Biphenyl	ND		ug/kg dry	43.6	87.1	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:31	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	87.1	174	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:31	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	43.6	87.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:31	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	43.6	87.1	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	06/22/2016 07:34	06/22/2016 12:31	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	43.6	87.1	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:31	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	43.6	87.1	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	06/22/2016 07:34	06/22/2016 12:31	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	43.6	87.1	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	06/22/2016 07:34	06/22/2016 12:31	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	87.1	174	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:31	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	43.6	87.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:31	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	43.6	87.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:31	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	43.6	87.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:31	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	43.6	87.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:31	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	87.1	174	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:31	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	43.6	87.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:31	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	43.6	87.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:31	KH



Sample Information

Client Sample ID: SB-1

York Sample ID: 16F0682-01

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Soil

Collection Date/Time

June 14, 2016 10:35 am

Date Received

06/17/2016

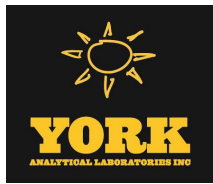
Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	43.6	87.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:31	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	43.6	87.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:31	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	43.6	87.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:31	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	43.6	87.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:31	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	87.1	174	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:31	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	43.6	87.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:31	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	43.6	87.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:31	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	43.6	87.1	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:31	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	87.1	174	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:31	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	87.1	174	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:31	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	43.6	87.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:31	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	43.6	87.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:31	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	43.6	87.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:31	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	43.6	87.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:31	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	87.1	174	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:31	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	87.1	174	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:31	KH
83-32-9	Acenaphthene	ND		ug/kg dry	43.6	87.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:31	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	43.6	87.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:31	KH
98-86-2	Acetophenone	ND		ug/kg dry	43.6	87.1	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:31	KH
62-53-3	Aniline	ND		ug/kg dry	174	349	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:31	KH
120-12-7	Anthracene	ND		ug/kg dry	43.6	87.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:31	KH
1912-24-9	Atrazine	ND		ug/kg dry	43.6	87.1	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:31	KH



Sample Information

Client Sample ID: SB-1

York Sample ID: 16F0682-01

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Soil

Collection Date/Time

June 14, 2016 10:35 am

Date Received

06/17/2016

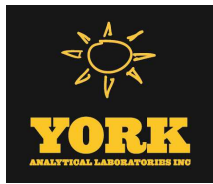
Semi-Volatiles, 8270 - Comprehensive

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
100-52-7	Benzaldehyde	ND		ug/kg dry	43.6	87.1	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:31	KH
92-87-5	Benzidine	ND		ug/kg dry	174	349	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	06/22/2016 07:34	06/22/2016 12:31	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	43.6	87.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:31	KH
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	43.6	87.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:31	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	43.6	87.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:31	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	43.6	87.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:31	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	43.6	87.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:31	KH
65-85-0	Benzoic acid	ND		ug/kg dry	43.6	87.1	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:31	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	43.6	87.1	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:31	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	43.6	87.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:31	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	43.6	87.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:31	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	43.6	87.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:31	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	43.6	87.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:31	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	43.6	87.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:31	KH
105-60-2	Caprolactam	ND		ug/kg dry	87.1	174	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:31	KH
86-74-8	Carbazole	ND		ug/kg dry	43.6	87.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:31	KH
218-01-9	Chrysene	ND		ug/kg dry	43.6	87.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:31	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	43.6	87.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:31	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	43.6	87.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:31	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	43.6	87.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:31	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	43.6	87.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:31	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	43.6	87.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:31	KH



Sample Information

Client Sample ID: SB-1

York Sample ID: 16F0682-01

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Soil

Collection Date/Time

June 14, 2016 10:35 am

Date Received

06/17/2016

Semi-Volatiles, 8270 - Comprehensive

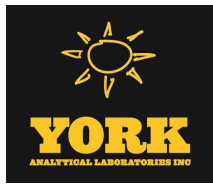
Log-in Notes:

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
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	43.6	87.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:31	KH
206-44-0	Fluoranthene	ND		ug/kg dry	43.6	87.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:31	KH
86-73-7	Fluorene	ND		ug/kg dry	43.6	87.1	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:31	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	43.6	87.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:31	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	43.6	87.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:31	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	43.6	87.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:31	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	43.6	87.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:31	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	43.6	87.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:31	KH
78-59-1	Isophorone	ND		ug/kg dry	43.6	87.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:31	KH
91-20-3	Naphthalene	ND		ug/kg dry	43.6	87.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:31	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	43.6	87.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:31	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	43.6	87.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:31	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	43.6	87.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:31	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	43.6	87.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:31	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	43.6	87.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:31	KH
85-01-8	Phenanthrene	ND		ug/kg dry	43.6	87.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:31	KH
108-95-2	Phenol	ND		ug/kg dry	43.6	87.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:31	KH
129-00-0	Pyrene	ND		ug/kg dry	43.6	87.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:31	KH

Surrogate Recoveries		Result	Acceptance Range
367-12-4	Surrogate: 2-Fluorophenol	37.9 %	20-108
4165-62-2	Surrogate: Phenol-d5	41.4 %	23-114
4165-60-0	Surrogate: Nitrobenzene-d5	41.2 %	22-108
321-60-8	Surrogate: 2-Fluorobiphenyl	42.0 %	21-113
118-79-6	Surrogate: 2,4,6-Tribromophenol	32.5 %	19-110
1718-51-0	Surrogate: Terphenyl-d14	29.1 %	24-116



Sample Information

Client Sample ID: SB-1

York Sample ID: 16F0682-01

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Soil

Collection Date/Time

June 14, 2016 10:35 am

Date Received

06/17/2016

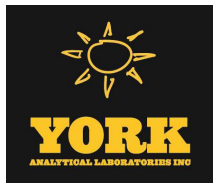
Metals, Target Analyte

Sample Prepared by Method: EPA 3050B

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	2780		mg/kg dry	5.22	5.22	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 21:59	KV
7440-36-0	Antimony	ND		mg/kg dry	0.522	0.522	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 21:59	KV
7440-38-2	Arsenic	ND		mg/kg dry	1.04	1.04	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 21:59	KV
7440-39-3	Barium	19.5		mg/kg dry	1.04	1.04	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 21:59	KV
7440-41-7	Beryllium	ND		mg/kg dry	0.104	0.104	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 21:59	KV
7440-43-9	Cadmium	ND		mg/kg dry	0.313	0.313	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 21:59	KV
7440-70-2	Calcium	704		mg/kg dry	0.522	0.522	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 21:59	KV
7440-47-3	Chromium	7.89		mg/kg dry	0.522	0.522	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 21:59	KV
7440-48-4	Cobalt	4.35		mg/kg dry	0.522	0.522	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 21:59	KV
7440-50-8	Copper	8.52		mg/kg dry	0.522	0.522	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 21:59	KV
7439-89-6	Iron	18500		mg/kg dry	2.09	2.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 21:59	KV
7439-92-1	Lead	1.84		mg/kg dry	0.313	0.313	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 21:59	KV
7439-95-4	Magnesium	1110		mg/kg dry	5.22	5.22	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 21:59	KV
7439-96-5	Manganese	414		mg/kg dry	0.522	0.522	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 21:59	KV
7440-02-0	Nickel	8.26		mg/kg dry	0.522	0.522	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 21:59	KV
7440-09-7	Potassium	475		mg/kg dry	5.22	5.22	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 21:59	KV
7782-49-2	Selenium	1.50		mg/kg dry	1.04	1.04	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 21:59	KV
7440-22-4	Silver	ND		mg/kg dry	0.522	0.522	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 21:59	KV
7440-23-5	Sodium	14.6		mg/kg dry	10.4	10.4	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/20/2016 11:44	06/20/2016 21:59	KV
7440-28-0	Thallium	ND		mg/kg dry	1.04	1.04	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 21:59	KV
7440-62-2	Vanadium	21.0		mg/kg dry	1.04	1.04	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 21:59	KV
7440-66-6	Zinc	14.9		mg/kg dry	1.04	1.04	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 21:59	KV



Sample Information

Client Sample ID: SB-1

York Sample ID: 16F0682-01

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Soil

Collection Date/Time

June 14, 2016 10:35 am

Date Received

06/17/2016

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0313	0.0313	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	06/20/2016 06:21	06/20/2016 09:58	ALD

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	95.8		%	0.100	0.100	1	SM 2540G Certifications: CTDOH	06/20/2016 11:50	06/21/2016 14:07	LAB

Sample Information

Client Sample ID: SB-2

York Sample ID: 16F0682-02

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Soil

Collection Date/Time

June 14, 2016 11:50 am

Date Received

06/17/2016

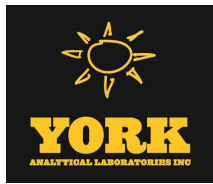
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 02:52	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 02:52	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 02:52	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 02:52	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 02:52	BK
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 02:52	BK
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 02:52	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 02:52	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 02:52	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 02:52	BK



Sample Information

Client Sample ID: SB-2

York Sample ID: 16F0682-02

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Soil

Collection Date/Time

June 14, 2016 11:50 am

Date Received

06/17/2016

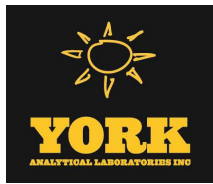
Volatile Organics, 8260 - Comprehensive

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
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 02:52	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	5.3	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 02:52	BK
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 02:52	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 02:52	BK
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 02:52	BK
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 02:52	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 02:52	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 02:52	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 02:52	BK
123-91-1	1,4-Dioxane	ND		ug/kg dry	5.3	110	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 02:52	BK
78-93-3	2-Butanone	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 02:52	BK
591-78-6	2-Hexanone	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 02:52	BK
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 02:52	BK
67-64-1	Acetone	ND		ug/kg dry	5.3	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 02:52	BK
107-02-8	Acrolein	ND		ug/kg dry	5.3	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 02:52	BK
107-13-1	Acrylonitrile	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 02:52	BK
71-43-2	Benzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 02:52	BK
74-97-5	Bromochloromethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 02:52	BK
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 02:52	BK
75-25-2	Bromoform	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 02:52	BK
74-83-9	Bromomethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 02:52	BK
75-15-0	Carbon disulfide	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 02:52	BK



Sample Information

Client Sample ID: SB-2

York Sample ID: 16F0682-02

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Soil

Collection Date/Time

June 14, 2016 11:50 am

Date Received

06/17/2016

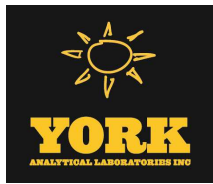
Volatile Organics, 8260 - Comprehensive

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
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 02:52	BK
108-90-7	Chlorobenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 02:52	BK
75-00-3	Chloroethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 02:52	BK
67-66-3	Chloroform	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 02:52	BK
74-87-3	Chloromethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 02:52	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 02:52	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 02:52	BK
110-82-7	Cyclohexane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 02:52	BK
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 02:52	BK
74-95-3	Dibromomethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 02:52	BK
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 02:52	BK
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 02:52	BK
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 02:52	BK
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 02:52	BK
79-20-9	Methyl acetate	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 02:52	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 02:52	BK
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 02:52	BK
75-09-2	Methylene chloride	ND		ug/kg dry	5.3	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 02:52	BK
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 02:52	BK
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 02:52	BK
95-47-6	o-Xylene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	06/22/2016 16:44	06/23/2016 02:52	BK
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.3	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	06/22/2016 16:44	06/23/2016 02:52	BK



Sample Information

Client Sample ID: SB-2

York Sample ID: 16F0682-02

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Soil

Collection Date/Time

June 14, 2016 11:50 am

Date Received

06/17/2016

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
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 02:52	BK
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 02:52	BK
100-42-5	Styrene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 02:52	BK
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 02:52	BK
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 02:52	BK
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 02:52	BK
108-88-3	Toluene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 02:52	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 02:52	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 02:52	BK
79-01-6	Trichloroethylene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 02:52	BK
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 02:52	BK
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.6	5.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 02:52	BK
1330-20-7	Xylenes, Total	ND		ug/kg dry	7.9	16	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 02:52	BK
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	93.3 %	77-125								
2037-26-5	Surrogate: Toluene-d8	102 %	85-120								
460-00-4	Surrogate: p-Bromofluorobenzene	95.7 %	76-130								

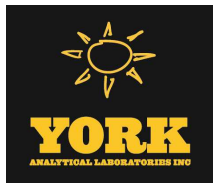
Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1'-Biphenyl	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:05	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	91.3	182	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:05	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:05	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	06/22/2016 07:34	06/22/2016 13:05	KH



Sample Information

Client Sample ID: SB-2

York Sample ID: 16F0682-02

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Soil

Collection Date/Time

June 14, 2016 11:50 am

Date Received

06/17/2016

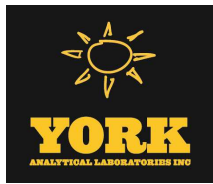
Semi-Volatiles, 8270 - Comprehensive

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
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:05	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	06/22/2016 07:34	06/22/2016 13:05	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	06/22/2016 07:34	06/22/2016 13:05	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	91.3	182	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:05	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:05	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:05	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:05	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:05	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	91.3	182	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:05	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:05	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:05	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:05	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:05	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:05	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:05	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	91.3	182	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:05	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:05	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:05	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:05	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	91.3	182	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:05	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	91.3	182	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:05	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:05	KH



Sample Information

Client Sample ID: SB-2

York Sample ID: 16F0682-02

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Soil

Collection Date/Time

June 14, 2016 11:50 am

Date Received

06/17/2016

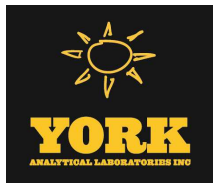
Semi-Volatiles, 8270 - Comprehensive

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
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:05	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:05	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:05	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	91.3	182	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:05	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	91.3	182	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:05	KH
83-32-9	Acenaphthene	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:05	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:05	KH
98-86-2	Acetophenone	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:05	KH
62-53-3	Aniline	ND		ug/kg dry	183	366	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:05	KH
120-12-7	Anthracene	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:05	KH
1912-24-9	Atrazine	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:05	KH
100-52-7	Benzaldehyde	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:05	KH
92-87-5	Benzidine	ND		ug/kg dry	183	366	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	06/22/2016 07:34	06/22/2016 13:05	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:05	KH
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:05	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:05	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:05	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:05	KH
65-85-0	Benzoic acid	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:05	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:05	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:05	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:05	KH



Sample Information

Client Sample ID: SB-2

York Sample ID: 16F0682-02

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Soil

Collection Date/Time

June 14, 2016 11:50 am

Date Received

06/17/2016

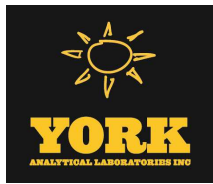
Semi-Volatiles, 8270 - Comprehensive

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
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:05	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:05	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:05	KH
105-60-2	Caprolactam	ND		ug/kg dry	91.3	182	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:05	KH
86-74-8	Carbazole	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:05	KH
218-01-9	Chrysene	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:05	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:05	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:05	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:05	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:05	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:05	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:05	KH
206-44-0	Fluoranthene	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:05	KH
86-73-7	Fluorene	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:05	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:05	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:05	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:05	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:05	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:05	KH
78-59-1	Isophorone	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:05	KH
91-20-3	Naphthalene	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:05	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:05	KH



Sample Information

Client Sample ID: SB-2

York Sample ID: 16F0682-02

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Soil

Collection Date/Time

June 14, 2016 11:50 am

Date Received

06/17/2016

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
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:05	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:05	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:05	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:05	KH
85-01-8	Phenanthrene	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:05	KH
108-95-2	Phenol	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:05	KH
129-00-0	Pyrene	ND		ug/kg dry	45.8	91.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:05	KH
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: 2-Fluorophenol	36.0 %			20-108						
4165-62-2	Surrogate: Phenol-d5	38.8 %			23-114						
4165-60-0	Surrogate: Nitrobenzene-d5	39.5 %			22-108						
321-60-8	Surrogate: 2-Fluorobiphenyl	41.0 %			21-113						
118-79-6	Surrogate: 2,4,6-Tribromophenol	30.8 %			19-110						
1718-51-0	Surrogate: Terphenyl-d14	26.8 %			24-116						

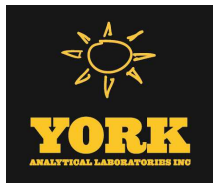
Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	3600		mg/kg dry	5.47	5.47	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:03	KV
7440-36-0	Antimony	ND		mg/kg dry	0.547	0.547	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:03	KV
7440-38-2	Arsenic	ND		mg/kg dry	1.09	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:03	KV
7440-39-3	Barium	11.8		mg/kg dry	1.09	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:03	KV
7440-41-7	Beryllium	0.136		mg/kg dry	0.109	0.109	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:03	KV
7440-43-9	Cadmium	ND		mg/kg dry	0.328	0.328	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:03	KV
7440-70-2	Calcium	365		mg/kg dry	0.547	5.47	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:03	KV
7440-47-3	Chromium	7.57		mg/kg dry	0.547	0.547	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:03	KV



Sample Information

Client Sample ID: SB-2

York Sample ID: 16F0682-02

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Soil

Collection Date/Time

June 14, 2016 11:50 am

Date Received

06/17/2016

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-48-4	Cobalt	3.64		mg/kg dry	0.547	0.547	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:03	KV
7440-50-8	Copper	9.84		mg/kg dry	0.547	0.547	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:03	KV
7439-89-6	Iron	15200		mg/kg dry	2.19	2.19	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:03	KV
7439-92-1	Lead	5.64		mg/kg dry	0.328	0.328	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:03	KV
7439-95-4	Magnesium	1190		mg/kg dry	5.47	5.47	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:03	KV
7439-96-5	Manganese	204		mg/kg dry	0.547	0.547	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:03	KV
7440-02-0	Nickel	7.53		mg/kg dry	0.547	0.547	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:03	KV
7440-09-7	Potassium	210		mg/kg dry	5.47	5.47	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:03	KV
7782-49-2	Selenium	ND		mg/kg dry	1.09	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:03	KV
7440-22-4	Silver	ND		mg/kg dry	0.547	0.547	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:03	KV
7440-23-5	Sodium	ND		mg/kg dry	10.9	10.9	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/20/2016 11:44	06/20/2016 22:03	KV
7440-28-0	Thallium	ND		mg/kg dry	1.09	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:03	KV
7440-62-2	Vanadium	14.3		mg/kg dry	1.09	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:03	KV
7440-66-6	Zinc	26.9		mg/kg dry	1.09	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:03	KV

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0328	0.0328	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	06/20/2016 06:21	06/20/2016 10:07	ALD

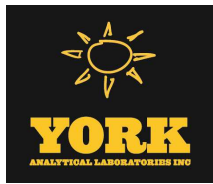
Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	91.3		%	0.100	0.100	1	SM 2540G Certifications: CTDOH	06/20/2016 11:50	06/21/2016 14:07	LAB



Sample Information

Client Sample ID: SB-4

York Sample ID: 16F0682-03

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Soil

Collection Date/Time

June 14, 2016 12:10 pm

Date Received

06/17/2016

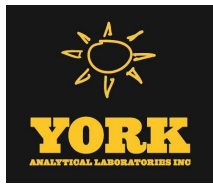
Volatile Organics, 8260 - Comprehensive

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 Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 03:22	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 03:22	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 03:22	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 03:22	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 03:22	BK
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 03:22	BK
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 03:22	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 03:22	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 03:22	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 03:22	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 03:22	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	5.1	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 03:22	BK
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 03:22	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 03:22	BK
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 03:22	BK
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 03:22	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 03:22	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 03:22	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 03:22	BK
123-91-1	1,4-Dioxane	ND		ug/kg dry	51	100	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 03:22	BK
78-93-3	2-Butanone	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 03:22	BK



Sample Information

Client Sample ID: SB-4

York Sample ID: 16F0682-03

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Soil

Collection Date/Time

June 14, 2016 12:10 pm

Date Received

06/17/2016

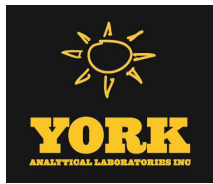
Volatile Organics, 8260 - Comprehensive

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	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 03:22	BK
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 03:22	BK
67-64-1	Acetone	ND		ug/kg dry	5.1	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 03:22	BK
107-02-8	Acrolein	ND		ug/kg dry	5.1	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 03:22	BK
107-13-1	Acrylonitrile	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 03:22	BK
71-43-2	Benzene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 03:22	BK
74-97-5	Bromochloromethane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 03:22	BK
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 03:22	BK
75-25-2	Bromoform	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 03:22	BK
74-83-9	Bromomethane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 03:22	BK
75-15-0	Carbon disulfide	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 03:22	BK
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 03:22	BK
108-90-7	Chlorobenzene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 03:22	BK
75-00-3	Chloroethane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 03:22	BK
67-66-3	Chloroform	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 03:22	BK
74-87-3	Chloromethane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 03:22	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 03:22	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 03:22	BK
110-82-7	Cyclohexane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 03:22	BK
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 03:22	BK
74-95-3	Dibromomethane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 03:22	BK
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 03:22	BK



Sample Information

Client Sample ID: SB-4

York Sample ID: 16F0682-03

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Soil

Collection Date/Time

June 14, 2016 12:10 pm

Date Received

06/17/2016

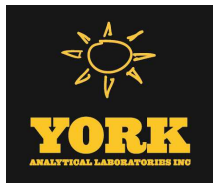
Volatile Organics, 8260 - Comprehensive

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	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 03:22	BK
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 03:22	BK
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 03:22	BK
79-20-9	Methyl acetate	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 03:22	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 03:22	BK
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 03:22	BK
75-09-2	Methylene chloride	ND		ug/kg dry	5.1	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 03:22	BK
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 03:22	BK
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 03:22	BK
95-47-6	o-Xylene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	06/22/2016 16:44	06/23/2016 03:22	BK
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.1	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	06/22/2016 16:44	06/23/2016 03:22	BK
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 03:22	BK
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 03:22	BK
100-42-5	Styrene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 03:22	BK
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 03:22	BK
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 03:22	BK
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 03:22	BK
108-88-3	Toluene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 03:22	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 03:22	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 03:22	BK
79-01-6	Trichloroethylene	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 03:22	BK
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 03:22	BK



Sample Information

Client Sample ID: SB-4

York Sample ID: 16F0682-03

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Soil

Collection Date/Time

June 14, 2016 12:10 pm

Date Received

06/17/2016

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	2.5	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 03:22	BK
1330-20-7	Xylenes, Total	ND		ug/kg dry	7.6	15	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 03:22	BK
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	101 %			77-125						
2037-26-5	Surrogate: Toluene-d8	98.1 %			85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	110 %			76-130						

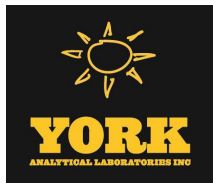
Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1'-Biphenyl	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:39	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	87.3	174	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:39	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:39	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	06/22/2016 07:34	06/22/2016 13:39	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:39	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	06/22/2016 07:34	06/22/2016 13:39	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	06/22/2016 07:34	06/22/2016 13:39	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	87.3	174	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:39	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:39	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:39	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:39	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:39	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	87.3	174	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:39	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:39	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:39	KH



Sample Information

Client Sample ID: SB-4

York Sample ID: 16F0682-03

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Soil

Collection Date/Time

June 14, 2016 12:10 pm

Date Received

06/17/2016

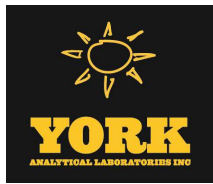
Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:39	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:39	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:39	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:39	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	87.3	174	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:39	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:39	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:39	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:39	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	87.3	174	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:39	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	87.3	174	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:39	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:39	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:39	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:39	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:39	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	87.3	174	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:39	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	87.3	174	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:39	KH
83-32-9	Acenaphthene	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:39	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:39	KH
98-86-2	Acetophenone	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:39	KH
62-53-3	Aniline	ND		ug/kg dry	175	350	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:39	KH
120-12-7	Anthracene	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:39	KH
1912-24-9	Atrazine	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:39	KH



Sample Information

Client Sample ID: SB-4

York Sample ID: 16F0682-03

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Soil

Collection Date/Time

June 14, 2016 12:10 pm

Date Received

06/17/2016

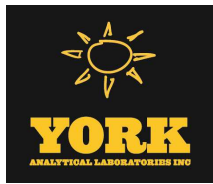
Semi-Volatiles, 8270 - Comprehensive

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
100-52-7	Benzaldehyde	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:39	KH
92-87-5	Benzidine	ND		ug/kg dry	175	350	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	06/22/2016 07:34	06/22/2016 13:39	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:39	KH
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:39	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:39	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:39	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:39	KH
65-85-0	Benzoic acid	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:39	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:39	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:39	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:39	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:39	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:39	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:39	KH
105-60-2	Caprolactam	ND		ug/kg dry	87.3	174	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:39	KH
86-74-8	Carbazole	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:39	KH
218-01-9	Chrysene	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:39	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:39	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:39	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:39	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:39	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:39	KH



Sample Information

Client Sample ID: SB-4

York Sample ID: 16F0682-03

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Soil

Collection Date/Time

June 14, 2016 12:10 pm

Date Received

06/17/2016

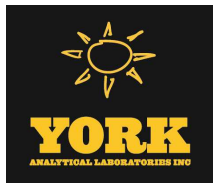
Semi-Volatiles, 8270 - Comprehensive

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
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:39	KH
206-44-0	Fluoranthene	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:39	KH
86-73-7	Fluorene	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:39	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:39	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:39	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:39	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:39	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:39	KH
78-59-1	Isophorone	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:39	KH
91-20-3	Naphthalene	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:39	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:39	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:39	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:39	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:39	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:39	KH
85-01-8	Phenanthrene	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:39	KH
108-95-2	Phenol	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:39	KH
129-00-0	Pyrene	ND		ug/kg dry	43.8	87.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:39	KH
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	35.3 %	20-108								
4165-62-2	Surrogate: Phenol-d5	38.0 %	23-114								
4165-60-0	Surrogate: Nitrobenzene-d5	38.3 %	22-108								
321-60-8	Surrogate: 2-Fluorobiphenyl	40.0 %	21-113								
118-79-6	Surrogate: 2,4,6-Tribromophenol	28.6 %	19-110								
1718-51-0	Surrogate: Terphenyl-d14	26.3 %	24-116								



Sample Information

Client Sample ID: SB-4

York Sample ID: 16F0682-03

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Soil

Collection Date/Time

June 14, 2016 12:10 pm

Date Received

06/17/2016

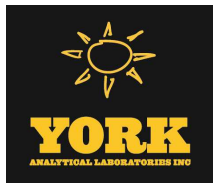
Metals, Target Analyte

Sample Prepared by Method: EPA 3050B

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	3900		mg/kg dry	5.23	5.23	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:08	KV
7440-36-0	Antimony	ND		mg/kg dry	0.523	0.523	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:08	KV
7440-38-2	Arsenic	ND		mg/kg dry	1.05	1.05	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:08	KV
7440-39-3	Barium	22.2		mg/kg dry	1.05	1.05	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:08	KV
7440-41-7	Beryllium	0.131		mg/kg dry	0.105	0.105	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:08	KV
7440-43-9	Cadmium	ND		mg/kg dry	0.314	0.314	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:08	KV
7440-70-2	Calcium	608		mg/kg dry	0.523	0.523	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:08	KV
7440-47-3	Chromium	8.01		mg/kg dry	0.523	0.523	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:08	KV
7440-48-4	Cobalt	3.95		mg/kg dry	0.523	0.523	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:08	KV
7440-50-8	Copper	11.0		mg/kg dry	0.523	0.523	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:08	KV
7439-89-6	Iron	17900		mg/kg dry	2.09	2.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:08	KV
7439-92-1	Lead	5.09		mg/kg dry	0.314	0.314	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:08	KV
7439-95-4	Magnesium	1400		mg/kg dry	5.23	5.23	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:08	KV
7439-96-5	Manganese	263		mg/kg dry	0.523	0.523	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:08	KV
7440-02-0	Nickel	7.78		mg/kg dry	0.523	0.523	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:08	KV
7440-09-7	Potassium	348		mg/kg dry	5.23	5.23	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:08	KV
7782-49-2	Selenium	ND		mg/kg dry	1.05	1.05	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:08	KV
7440-22-4	Silver	ND		mg/kg dry	0.523	0.523	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:08	KV
7440-23-5	Sodium	ND		mg/kg dry	10.5	10.5	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/20/2016 11:44	06/20/2016 22:08	KV
7440-28-0	Thallium	ND		mg/kg dry	1.05	1.05	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:08	KV
7440-62-2	Vanadium	15.1		mg/kg dry	1.05	1.05	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:08	KV
7440-66-6	Zinc	15.5		mg/kg dry	1.05	1.05	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:08	KV



Sample Information

Client Sample ID: SB-4

York Sample ID: 16F0682-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

16F0682

161280

Soil

June 14, 2016 12:10 pm

06/17/2016

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0314	0.0314	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	06/20/2016 06:21	06/20/2016 10:16	ALD

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	95.5		%	0.100	0.100	1	SM 2540G Certifications: CTDOH	06/20/2016 11:50	06/21/2016 14:07	LAB

Sample Information

Client Sample ID: SB-5

York Sample ID: 16F0682-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

16F0682

161280

Soil

June 14, 2016 2:20 pm

06/17/2016

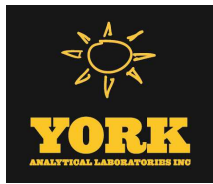
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 03:51	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 03:51	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 03:51	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 03:51	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 03:51	BK
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 03:51	BK
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 03:51	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 03:51	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 03:51	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 03:51	BK



Sample Information

Client Sample ID: SB-5

York Sample ID: 16F0682-04

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Soil

Collection Date/Time

June 14, 2016 2:20 pm

Date Received

06/17/2016

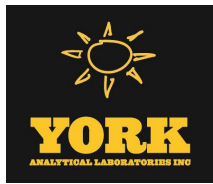
Volatile Organics, 8260 - Comprehensive

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
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 03:51	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	4.9	9.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 03:51	BK
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 03:51	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 03:51	BK
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 03:51	BK
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 03:51	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 03:51	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 03:51	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 03:51	BK
123-91-1	1,4-Dioxane	ND		ug/kg dry	4.9	9.8	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 03:51	BK
78-93-3	2-Butanone	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 03:51	BK
591-78-6	2-Hexanone	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 03:51	BK
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 03:51	BK
67-64-1	Acetone	ND		ug/kg dry	4.9	9.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 03:51	BK
107-02-8	Acrolein	ND		ug/kg dry	4.9	9.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 03:51	BK
107-13-1	Acrylonitrile	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 03:51	BK
71-43-2	Benzene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 03:51	BK
74-97-5	Bromochloromethane	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 03:51	BK
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 03:51	BK
75-25-2	Bromoform	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 03:51	BK
74-83-9	Bromomethane	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 03:51	BK
75-15-0	Carbon disulfide	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 03:51	BK



Sample Information

Client Sample ID: SB-5

York Sample ID: 16F0682-04

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Soil

Collection Date/Time

June 14, 2016 2:20 pm

Date Received

06/17/2016

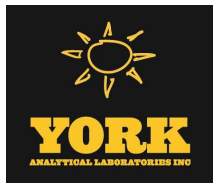
Volatile Organics, 8260 - Comprehensive

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
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 03:51	BK
108-90-7	Chlorobenzene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 03:51	BK
75-00-3	Chloroethane	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 03:51	BK
67-66-3	Chloroform	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 03:51	BK
74-87-3	Chloromethane	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 03:51	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 03:51	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 03:51	BK
110-82-7	Cyclohexane	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 03:51	BK
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 03:51	BK
74-95-3	Dibromomethane	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 03:51	BK
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 03:51	BK
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 03:51	BK
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 03:51	BK
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 03:51	BK
79-20-9	Methyl acetate	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 03:51	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 03:51	BK
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 03:51	BK
75-09-2	Methylene chloride	ND		ug/kg dry	4.9	9.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 03:51	BK
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 03:51	BK
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 03:51	BK
95-47-6	o-Xylene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	06/22/2016 16:44	06/23/2016 03:51	BK
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.9	9.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	06/22/2016 16:44	06/23/2016 03:51	BK



Sample Information

Client Sample ID: SB-5

York Sample ID: 16F0682-04

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Soil

Collection Date/Time

June 14, 2016 2:20 pm

Date Received

06/17/2016

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
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 03:51	BK
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 03:51	BK
100-42-5	Styrene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 03:51	BK
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 03:51	BK
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 03:51	BK
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 03:51	BK
108-88-3	Toluene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 03:51	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 03:51	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 03:51	BK
79-01-6	Trichloroethylene	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 03:51	BK
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 03:51	BK
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.4	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 03:51	BK
1330-20-7	Xylenes, Total	ND		ug/kg dry	7.3	15	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 03:51	BK

Surrogate Recoveries

Result

Acceptance Range

17060-07-0	Surrogate: 1,2-Dichloroethane-d4	101 %	77-125
2037-26-5	Surrogate: Toluene-d8	97.7 %	85-120
460-00-4	Surrogate: p-Bromofluorobenzene	92.3 %	76-130

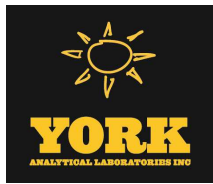
Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1'-Biphenyl	ND		ug/kg dry	43.9	87.5	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:51	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	87.5	175	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:51	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	43.9	87.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:51	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	43.9	87.5	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	06/22/2016 07:34	06/22/2016 12:51	KH



Sample Information

Client Sample ID: SB-5

York Sample ID: 16F0682-04

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Soil

Collection Date/Time

June 14, 2016 2:20 pm

Date Received

06/17/2016

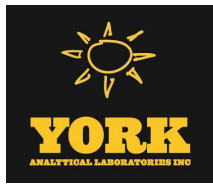
Semi-Volatiles, 8270 - Comprehensive

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
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	43.9	87.5	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:51	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	43.9	87.5	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	06/22/2016 07:34	06/22/2016 12:51	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	43.9	87.5	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	06/22/2016 07:34	06/22/2016 12:51	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	87.5	175	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:51	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	43.9	87.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:51	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	43.9	87.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:51	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	43.9	87.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:51	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	43.9	87.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:51	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	87.5	175	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:51	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	43.9	87.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:51	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	43.9	87.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:51	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	43.9	87.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:51	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	43.9	87.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:51	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	43.9	87.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:51	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	43.9	87.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:51	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	87.5	175	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:51	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	43.9	87.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:51	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	43.9	87.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:51	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	43.9	87.5	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:51	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	87.5	175	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:51	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	87.5	175	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:51	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	43.9	87.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:51	KH



Sample Information

Client Sample ID: SB-5

York Sample ID: 16F0682-04

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Soil

Collection Date/Time

June 14, 2016 2:20 pm

Date Received

06/17/2016

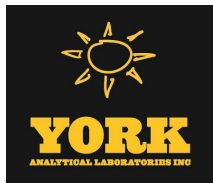
Semi-Volatiles, 8270 - Comprehensive

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
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	43.9	87.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:51	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	43.9	87.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:51	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	43.9	87.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:51	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	87.5	175	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:51	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	87.5	175	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:51	KH
83-32-9	Acenaphthene	ND		ug/kg dry	43.9	87.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:51	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	43.9	87.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:51	KH
98-86-2	Acetophenone	ND		ug/kg dry	43.9	87.5	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:51	KH
62-53-3	Aniline	ND		ug/kg dry	175	351	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:51	KH
120-12-7	Anthracene	ND		ug/kg dry	43.9	87.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:51	KH
1912-24-9	Atrazine	ND		ug/kg dry	43.9	87.5	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:51	KH
100-52-7	Benzaldehyde	ND		ug/kg dry	43.9	87.5	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:51	KH
92-87-5	Benzidine	ND		ug/kg dry	175	351	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	06/22/2016 07:34	06/22/2016 12:51	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	43.9	87.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:51	KH
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	43.9	87.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:51	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	43.9	87.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:51	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	43.9	87.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:51	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	43.9	87.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:51	KH
65-85-0	Benzoic acid	ND		ug/kg dry	43.9	87.5	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:51	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	43.9	87.5	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:51	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	43.9	87.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:51	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	43.9	87.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:51	KH



Sample Information

Client Sample ID: SB-5

York Sample ID: 16F0682-04

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Soil

Collection Date/Time

June 14, 2016 2:20 pm

Date Received

06/17/2016

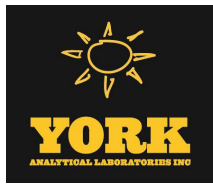
Semi-Volatiles, 8270 - Comprehensive

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
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	43.9	87.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:51	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	43.9	87.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:51	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	43.9	87.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:51	KH
105-60-2	Caprolactam	ND		ug/kg dry	87.5	175	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:51	KH
86-74-8	Carbazole	ND		ug/kg dry	43.9	87.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:51	KH
218-01-9	Chrysene	ND		ug/kg dry	43.9	87.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:51	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	43.9	87.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:51	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	43.9	87.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:51	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	43.9	87.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:51	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	43.9	87.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:51	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	43.9	87.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:51	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	43.9	87.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:51	KH
206-44-0	Fluoranthene	ND		ug/kg dry	43.9	87.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:51	KH
86-73-7	Fluorene	ND		ug/kg dry	43.9	87.5	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:51	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	43.9	87.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:51	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	43.9	87.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:51	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	43.9	87.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:51	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	43.9	87.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:51	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	43.9	87.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:51	KH
78-59-1	Isophorone	ND		ug/kg dry	43.9	87.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:51	KH
91-20-3	Naphthalene	ND		ug/kg dry	43.9	87.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:51	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	43.9	87.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:51	KH



Sample Information

Client Sample ID: SB-5

York Sample ID: 16F0682-04

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Soil

Collection Date/Time

June 14, 2016 2:20 pm

Date Received

06/17/2016

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
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	43.9	87.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:51	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	43.9	87.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:51	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	43.9	87.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:51	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	43.9	87.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:51	KH
85-01-8	Phenanthrene	ND		ug/kg dry	43.9	87.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:51	KH
108-95-2	Phenol	ND		ug/kg dry	43.9	87.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:51	KH
129-00-0	Pyrene	ND		ug/kg dry	43.9	87.5	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 12:51	KH
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: 2-Fluorophenol	35.9 %			20-108						
4165-62-2	Surrogate: Phenol-d5	38.7 %			23-114						
4165-60-0	Surrogate: Nitrobenzene-d5	22.9 %			22-108						
321-60-8	Surrogate: 2-Fluorobiphenyl	21.7 %			21-113						
118-79-6	Surrogate: 2,4,6-Tribromophenol	26.3 %			19-110						
1718-51-0	Surrogate: Terphenyl-d14	16.1 %			24-116						

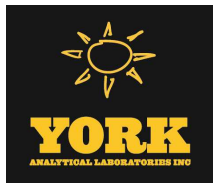
Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	3710		mg/kg dry	5.25	5.25	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:13	KV
7440-36-0	Antimony	ND		mg/kg dry	0.525	0.525	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:13	KV
7440-38-2	Arsenic	ND		mg/kg dry	1.05	1.05	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:13	KV
7440-39-3	Barium	23.4		mg/kg dry	1.05	1.05	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:13	KV
7440-41-7	Beryllium	ND		mg/kg dry	0.105	0.105	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:13	KV
7440-43-9	Cadmium	ND		mg/kg dry	0.315	0.315	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:13	KV
7440-70-2	Calcium	727		mg/kg dry	0.525	5.25	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:13	KV
7440-47-3	Chromium	9.57		mg/kg dry	0.525	0.525	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:13	KV



Sample Information

Client Sample ID: SB-5

York Sample ID: 16F0682-04

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Soil

Collection Date/Time

June 14, 2016 2:20 pm

Date Received

06/17/2016

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-48-4	Cobalt	3.96		mg/kg dry	0.525	0.525	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:13	KV
7440-50-8	Copper	8.26		mg/kg dry	0.525	0.525	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:13	KV
7439-89-6	Iron	12900		mg/kg dry	2.10	2.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:13	KV
7439-92-1	Lead	2.13		mg/kg dry	0.315	0.315	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:13	KV
7439-95-4	Magnesium	1820		mg/kg dry	5.25	5.25	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:13	KV
7439-96-5	Manganese	287		mg/kg dry	0.525	0.525	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:13	KV
7440-02-0	Nickel	11.7		mg/kg dry	0.525	0.525	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:13	KV
7440-09-7	Potassium	651		mg/kg dry	5.25	5.25	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:13	KV
7782-49-2	Selenium	ND		mg/kg dry	1.05	1.05	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:13	KV
7440-22-4	Silver	ND		mg/kg dry	0.525	0.525	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:13	KV
7440-23-5	Sodium	45.9		mg/kg dry	10.5	10.5	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/20/2016 11:44	06/20/2016 22:13	KV
7440-28-0	Thallium	ND		mg/kg dry	1.05	1.05	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:13	KV
7440-62-2	Vanadium	17.0		mg/kg dry	1.05	1.05	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:13	KV
7440-66-6	Zinc	15.2		mg/kg dry	1.05	1.05	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:13	KV

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0315	0.0315	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	06/20/2016 06:21	06/20/2016 10:25	ALD

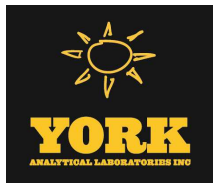
Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	95.3		%	0.100	0.100	1	SM 2540G Certifications: CTDOH	06/20/2016 11:50	06/21/2016 14:07	LAB



Sample Information

Client Sample ID: SB-6

York Sample ID: 16F0682-05

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Soil

Collection Date/Time

June 15, 2016 10:45 am

Date Received

06/17/2016

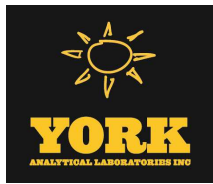
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 04:21	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 04:21	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 04:21	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 04:21	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 04:21	BK
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 04:21	BK
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 04:21	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 04:21	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 04:21	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 04:21	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 04:21	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	5.0	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 04:21	BK
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 04:21	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 04:21	BK
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 04:21	BK
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 04:21	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 04:21	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 04:21	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 04:21	BK
123-91-1	1,4-Dioxane	ND		ug/kg dry	50	100	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 04:21	BK
78-93-3	2-Butanone	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 04:21	BK



Sample Information

Client Sample ID: SB-6

York Sample ID: 16F0682-05

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Soil

Collection Date/Time

June 15, 2016 10:45 am

Date Received

06/17/2016

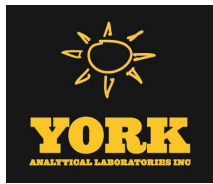
Volatile Organics, 8260 - Comprehensive

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	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 04:21	BK
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 04:21	BK
67-64-1	Acetone	ND		ug/kg dry	5.0	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 04:21	BK
107-02-8	Acrolein	ND		ug/kg dry	5.0	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 04:21	BK
107-13-1	Acrylonitrile	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 04:21	BK
71-43-2	Benzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 04:21	BK
74-97-5	Bromochloromethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 04:21	BK
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 04:21	BK
75-25-2	Bromoform	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 04:21	BK
74-83-9	Bromomethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 04:21	BK
75-15-0	Carbon disulfide	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 04:21	BK
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 04:21	BK
108-90-7	Chlorobenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 04:21	BK
75-00-3	Chloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 04:21	BK
67-66-3	Chloroform	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 04:21	BK
74-87-3	Chloromethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 04:21	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 04:21	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 04:21	BK
110-82-7	Cyclohexane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 04:21	BK
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 04:21	BK
74-95-3	Dibromomethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 04:21	BK
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 04:21	BK



Sample Information

Client Sample ID: SB-6

York Sample ID: 16F0682-05

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Soil

Collection Date/Time

June 15, 2016 10:45 am

Date Received

06/17/2016

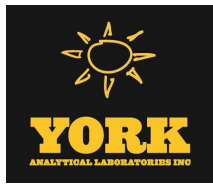
Volatile Organics, 8260 - Comprehensive

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	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 04:21	BK
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 04:21	BK
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 04:21	BK
79-20-9	Methyl acetate	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 04:21	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 04:21	BK
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 04:21	BK
75-09-2	Methylene chloride	ND		ug/kg dry	5.0	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 04:21	BK
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 04:21	BK
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 04:21	BK
95-47-6	o-Xylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	06/22/2016 16:44	06/23/2016 04:21	BK
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.0	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	06/22/2016 16:44	06/23/2016 04:21	BK
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 04:21	BK
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 04:21	BK
100-42-5	Styrene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 04:21	BK
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 04:21	BK
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 04:21	BK
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 04:21	BK
108-88-3	Toluene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 04:21	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 04:21	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 04:21	BK
79-01-6	Trichloroethylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 04:21	BK
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 04:21	BK



Sample Information

Client Sample ID: SB-6

York Sample ID: 16F0682-05

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Soil

Collection Date/Time

June 15, 2016 10:45 am

Date Received

06/17/2016

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	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 04:21	BK
1330-20-7	Xylenes, Total	ND		ug/kg dry	7.6	15	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 04:21	BK
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	103 %			77-125						
2037-26-5	Surrogate: Toluene-d8	101 %			85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	99.1 %			76-130						

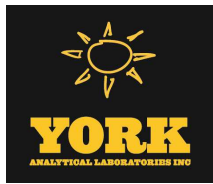
Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1'-Biphenyl	ND		ug/kg dry	44.7	89.3	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:22	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	89.3	178	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:22	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	44.7	89.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:22	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	44.7	89.3	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	06/22/2016 07:34	06/22/2016 13:22	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	44.7	89.3	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:22	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	44.7	89.3	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	06/22/2016 07:34	06/22/2016 13:22	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	44.7	89.3	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	06/22/2016 07:34	06/22/2016 13:22	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	89.3	178	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:22	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	44.7	89.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:22	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	44.7	89.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:22	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	44.7	89.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:22	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	44.7	89.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:22	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	89.3	178	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:22	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	44.7	89.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:22	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	44.7	89.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:22	KH



Sample Information

Client Sample ID: SB-6

York Sample ID: 16F0682-05

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Soil

Collection Date/Time

June 15, 2016 10:45 am

Date Received

06/17/2016

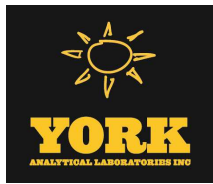
Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	44.7	89.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:22	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	44.7	89.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:22	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	44.7	89.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:22	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	44.7	89.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:22	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	89.3	178	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:22	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	44.7	89.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:22	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	44.7	89.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:22	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	44.7	89.3	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:22	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	89.3	178	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:22	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	89.3	178	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:22	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	44.7	89.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:22	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	44.7	89.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:22	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	44.7	89.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:22	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	44.7	89.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:22	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	89.3	178	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:22	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	89.3	178	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:22	KH
83-32-9	Acenaphthene	ND		ug/kg dry	44.7	89.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:22	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	44.7	89.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:22	KH
98-86-2	Acetophenone	ND		ug/kg dry	44.7	89.3	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:22	KH
62-53-3	Aniline	ND		ug/kg dry	179	358	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:22	KH
120-12-7	Anthracene	ND		ug/kg dry	44.7	89.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:22	KH
1912-24-9	Atrazine	ND		ug/kg dry	44.7	89.3	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:22	KH



Sample Information

Client Sample ID: SB-6

York Sample ID: 16F0682-05

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Soil

Collection Date/Time

June 15, 2016 10:45 am

Date Received

06/17/2016

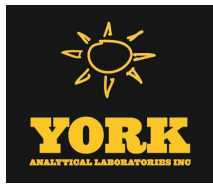
Semi-Volatiles, 8270 - Comprehensive

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
100-52-7	Benzaldehyde	ND		ug/kg dry	44.7	89.3	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:22	KH
92-87-5	Benzidine	ND		ug/kg dry	179	358	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	06/22/2016 07:34	06/22/2016 13:22	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	44.7	89.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:22	KH
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	44.7	89.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:22	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	44.7	89.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:22	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	44.7	89.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:22	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	44.7	89.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:22	KH
65-85-0	Benzoic acid	ND		ug/kg dry	44.7	89.3	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:22	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	44.7	89.3	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:22	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	44.7	89.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:22	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	44.7	89.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:22	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	44.7	89.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:22	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	44.7	89.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:22	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	44.7	89.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:22	KH
105-60-2	Caprolactam	ND		ug/kg dry	89.3	178	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:22	KH
86-74-8	Carbazole	ND		ug/kg dry	44.7	89.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:22	KH
218-01-9	Chrysene	ND		ug/kg dry	44.7	89.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:22	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	44.7	89.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:22	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	44.7	89.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:22	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	44.7	89.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:22	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	44.7	89.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:22	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	44.7	89.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:22	KH



Sample Information

Client Sample ID: SB-6

York Sample ID: 16F0682-05

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Soil

Collection Date/Time

June 15, 2016 10:45 am

Date Received

06/17/2016

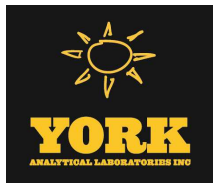
Semi-Volatiles, 8270 - Comprehensive

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
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	44.7	89.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:22	KH
206-44-0	Fluoranthene	ND		ug/kg dry	44.7	89.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:22	KH
86-73-7	Fluorene	ND		ug/kg dry	44.7	89.3	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:22	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	44.7	89.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:22	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	44.7	89.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:22	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	44.7	89.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:22	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	44.7	89.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:22	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	44.7	89.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:22	KH
78-59-1	Isophorone	ND		ug/kg dry	44.7	89.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:22	KH
91-20-3	Naphthalene	ND		ug/kg dry	44.7	89.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:22	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	44.7	89.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:22	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	44.7	89.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:22	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	44.7	89.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:22	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	44.7	89.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:22	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	44.7	89.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:22	KH
85-01-8	Phenanthrene	ND		ug/kg dry	44.7	89.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:22	KH
108-95-2	Phenol	ND		ug/kg dry	44.7	89.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:22	KH
129-00-0	Pyrene	ND		ug/kg dry	44.7	89.3	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 13:22	KH
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	45.6 %	20-108								
4165-62-2	Surrogate: Phenol-d5	50.2 %	23-114								
4165-60-0	Surrogate: Nitrobenzene-d5	28.9 %	22-108								
321-60-8	Surrogate: 2-Fluorobiphenyl	25.1 %	21-113								
118-79-6	Surrogate: 2,4,6-Tribromophenol	30.8 %	19-110								
1718-51-0	Surrogate: Terphenyl-d14	18.7 %	24-116								



Sample Information

Client Sample ID: SB-6

York Sample ID: 16F0682-05

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Soil

Collection Date/Time

June 15, 2016 10:45 am

Date Received

06/17/2016

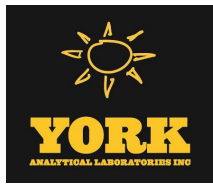
Metals, Target Analyte

Sample Prepared by Method: EPA 3050B

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	2310		mg/kg dry	5.35	5.35	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:17	KV
7440-36-0	Antimony	ND		mg/kg dry	0.535	0.535	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:17	KV
7440-38-2	Arsenic	ND		mg/kg dry	1.07	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:17	KV
7440-39-3	Barium	15.5		mg/kg dry	1.07	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:17	KV
7440-41-7	Beryllium	ND		mg/kg dry	0.107	0.107	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:17	KV
7440-43-9	Cadmium	ND		mg/kg dry	0.321	0.321	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:17	KV
7440-70-2	Calcium	575		mg/kg dry	0.535	5.35	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:17	KV
7440-47-3	Chromium	4.78		mg/kg dry	0.535	0.535	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:17	KV
7440-48-4	Cobalt	2.68		mg/kg dry	0.535	0.535	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:17	KV
7440-50-8	Copper	6.29		mg/kg dry	0.535	0.535	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:17	KV
7439-89-6	Iron	11200		mg/kg dry	2.14	2.14	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:17	KV
7439-92-1	Lead	1.13		mg/kg dry	0.321	0.321	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:17	KV
7439-95-4	Magnesium	931		mg/kg dry	5.35	5.35	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:17	KV
7439-96-5	Manganese	218		mg/kg dry	0.535	0.535	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:17	KV
7440-02-0	Nickel	4.84		mg/kg dry	0.535	0.535	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:17	KV
7440-09-7	Potassium	341		mg/kg dry	5.35	5.35	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:17	KV
7782-49-2	Selenium	ND		mg/kg dry	1.07	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:17	KV
7440-22-4	Silver	ND		mg/kg dry	0.535	0.535	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:17	KV
7440-23-5	Sodium	ND		mg/kg dry	10.7	10.7	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/20/2016 11:44	06/20/2016 22:17	KV
7440-28-0	Thallium	ND		mg/kg dry	1.07	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:17	KV
7440-62-2	Vanadium	10.2		mg/kg dry	1.07	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:17	KV
7440-66-6	Zinc	10.0		mg/kg dry	1.07	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:17	KV



Sample Information

Client Sample ID: SB-6

York Sample ID: 16F0682-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

16F0682

161280

Soil

June 15, 2016 10:45 am

06/17/2016

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0321	0.0321	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	06/20/2016 06:21	06/20/2016 10:34	ALD

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	93.4		%	0.100	0.100	1	SM 2540G Certifications: CTDOH	06/20/2016 11:50	06/21/2016 14:07	LAB

Sample Information

Client Sample ID: SB-7

York Sample ID: 16F0682-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

16F0682

161280

Soil

June 15, 2016 11:35 am

06/17/2016

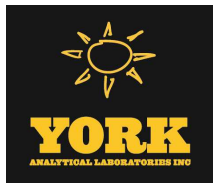
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to 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	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 04:50	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 04:50	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 04:50	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 04:50	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 04:50	BK
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 04:50	BK
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 04:50	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 04:50	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 04:50	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 04:50	BK



Sample Information

Client Sample ID: SB-7

York Sample ID: 16F0682-06

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Soil

Collection Date/Time

June 15, 2016 11:35 am

Date Received

06/17/2016

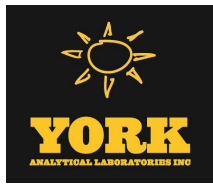
Volatile Organics, 8260 - Comprehensive

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
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 04:50	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	5.5	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 04:50	BK
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 04:50	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 04:50	BK
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 04:50	BK
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 04:50	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 04:50	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 04:50	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 04:50	BK
123-91-1	1,4-Dioxane	ND		ug/kg dry	55	110	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 04:50	BK
78-93-3	2-Butanone	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 04:50	BK
591-78-6	2-Hexanone	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 04:50	BK
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 04:50	BK
67-64-1	Acetone	ND		ug/kg dry	5.5	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 04:50	BK
107-02-8	Acrolein	ND		ug/kg dry	5.5	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 04:50	BK
107-13-1	Acrylonitrile	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 04:50	BK
71-43-2	Benzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 04:50	BK
74-97-5	Bromochloromethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 04:50	BK
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 04:50	BK
75-25-2	Bromoform	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 04:50	BK
74-83-9	Bromomethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 04:50	BK
75-15-0	Carbon disulfide	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 04:50	BK



Sample Information

Client Sample ID: SB-7

York Sample ID: 16F0682-06

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Soil

Collection Date/Time

June 15, 2016 11:35 am

Date Received

06/17/2016

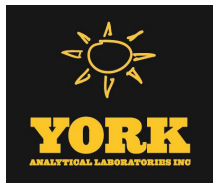
Volatile Organics, 8260 - Comprehensive

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
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 04:50	BK
108-90-7	Chlorobenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 04:50	BK
75-00-3	Chloroethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 04:50	BK
67-66-3	Chloroform	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 04:50	BK
74-87-3	Chloromethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 04:50	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 04:50	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 04:50	BK
110-82-7	Cyclohexane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 04:50	BK
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 04:50	BK
74-95-3	Dibromomethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 04:50	BK
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 04:50	BK
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 04:50	BK
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 04:50	BK
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 04:50	BK
79-20-9	Methyl acetate	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 04:50	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 04:50	BK
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 04:50	BK
75-09-2	Methylene chloride	ND		ug/kg dry	5.5	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 04:50	BK
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 04:50	BK
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 04:50	BK
95-47-6	o-Xylene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	06/22/2016 16:44	06/23/2016 04:50	BK
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.5	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	06/22/2016 16:44	06/23/2016 04:50	BK



Sample Information

Client Sample ID: SB-7

York Sample ID: 16F0682-06

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Soil

Collection Date/Time

June 15, 2016 11:35 am

Date Received

06/17/2016

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
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 04:50	BK
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 04:50	BK
100-42-5	Styrene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 04:50	BK
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 04:50	BK
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 04:50	BK
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 04:50	BK
108-88-3	Toluene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 04:50	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:44	06/23/2016 04:50	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 04:50	BK
79-01-6	Trichloroethylene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 04:50	BK
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 04:50	BK
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 04:50	BK
1330-20-7	Xylenes, Total	ND		ug/kg dry	8.3	17	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:44	06/23/2016 04:50	BK

Surrogate Recoveries

Result

Acceptance Range

17060-07-0	Surrogate: 1,2-Dichloroethane-d4	105 %	77-125
2037-26-5	Surrogate: Toluene-d8	111 %	85-120
460-00-4	Surrogate: p-Bromofluorobenzene	111 %	76-130

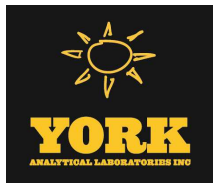
Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1'-Biphenyl	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:17	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	103	206	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:17	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:17	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	06/22/2016 07:34	06/22/2016 14:17	KH



Sample Information

Client Sample ID: SB-7

York Sample ID: 16F0682-06

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Soil

Collection Date/Time

June 15, 2016 11:35 am

Date Received

06/17/2016

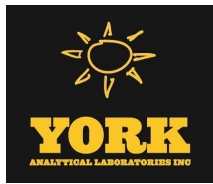
Semi-Volatiles, 8270 - Comprehensive

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
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:17	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	06/22/2016 07:34	06/22/2016 14:17	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	06/22/2016 07:34	06/22/2016 14:17	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	103	206	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:17	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:17	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:17	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:17	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:17	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	103	206	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:17	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:17	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:17	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:17	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:17	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:17	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:17	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	103	206	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:17	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:17	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:17	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:17	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	103	206	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:17	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	103	206	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:17	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:17	KH



Sample Information

Client Sample ID: SB-7

York Sample ID: 16F0682-06

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Soil

Collection Date/Time

June 15, 2016 11:35 am

Date Received

06/17/2016

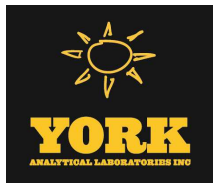
Semi-Volatiles, 8270 - Comprehensive

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
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:17	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:17	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:17	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	103	206	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:17	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	103	206	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:17	KH
83-32-9	Acenaphthene	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:17	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:17	KH
98-86-2	Acetophenone	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:17	KH
62-53-3	Aniline	ND		ug/kg dry	206	413	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:17	KH
120-12-7	Anthracene	73.3	J	ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:17	KH
1912-24-9	Atrazine	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:17	KH
100-52-7	Benzaldehyde	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:17	KH
92-87-5	Benzidine	ND		ug/kg dry	206	413	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	06/22/2016 07:34	06/22/2016 14:17	KH
56-55-3	Benzo(a)anthracene	235		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:17	KH
50-32-8	Benzo(a)pyrene	338	CCV-E	ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:17	KH
205-99-2	Benzo(b)fluoranthene	245		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:17	KH
191-24-2	Benzo(g,h,i)perylene	217	CCV-E	ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:17	KH
207-08-9	Benzo(k)fluoranthene	329		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:17	KH
65-85-0	Benzoic acid	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:17	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:17	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:17	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:17	KH



Sample Information

Client Sample ID: SB-7

York Sample ID: 16F0682-06

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Soil

Collection Date/Time

June 15, 2016 11:35 am

Date Received

06/17/2016

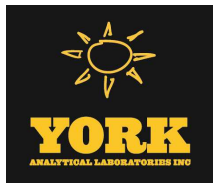
Semi-Volatiles, 8270 - Comprehensive

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
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:17	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:17	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:17	KH
105-60-2	Caprolactam	ND		ug/kg dry	103	206	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:17	KH
86-74-8	Carbazole	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:17	KH
218-01-9	Chrysene	324	CCV-E	ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:17	KH
53-70-3	Dibenzo(a,h)anthracene	71.6	J	ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:17	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:17	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:17	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:17	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:17	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:17	KH
206-44-0	Fluoranthene	673		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:17	KH
86-73-7	Fluorene	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:17	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:17	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:17	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:17	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:17	KH
193-39-5	Indeno(1,2,3-cd)pyrene	169		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:17	KH
78-59-1	Isophorone	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:17	KH
91-20-3	Naphthalene	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:17	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:17	KH



Sample Information

Client Sample ID: SB-7

York Sample ID: 16F0682-06

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Soil

Collection Date/Time

June 15, 2016 11:35 am

Date Received

06/17/2016

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
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:17	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:17	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:17	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:17	KH
85-01-8	Phenanthrene	348		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:17	KH
108-95-2	Phenol	ND		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:17	KH
129-00-0	Pyrene	599		ug/kg dry	51.6	103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:17	KH
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: 2-Fluorophenol	54.2 %			20-108						
4165-62-2	Surrogate: Phenol-d5	56.6 %			23-114						
4165-60-0	Surrogate: Nitrobenzene-d5	61.2 %			22-108						
321-60-8	Surrogate: 2-Fluorobiphenyl	58.4 %			21-113						
118-79-6	Surrogate: 2,4,6-Tribromophenol	47.8 %			19-110						
1718-51-0	Surrogate: Terphenyl-d14	39.2 %			24-116						

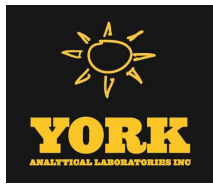
Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	9300		mg/kg dry	6.18	6.18	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:35	KV
7440-36-0	Antimony	ND		mg/kg dry	0.618	0.618	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:35	KV
7440-38-2	Arsenic	7.02		mg/kg dry	1.24	1.24	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:35	KV
7440-39-3	Barium	133		mg/kg dry	1.24	1.24	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:35	KV
7440-41-7	Beryllium	0.249		mg/kg dry	0.124	0.124	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:35	KV
7440-43-9	Cadmium	0.378		mg/kg dry	0.371	0.371	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:35	KV
7440-70-2	Calcium	18200		mg/kg dry	0.618	6.18	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:35	KV
7440-47-3	Chromium	14.2		mg/kg dry	0.618	0.618	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:35	KV
7440-48-4	Cobalt	6.41		mg/kg dry	0.618	0.618	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:35	KV



Sample Information

Client Sample ID: SB-7

York Sample ID: 16F0682-06

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Soil

Collection Date/Time

June 15, 2016 11:35 am

Date Received

06/17/2016

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-50-8	Copper	34.8		mg/kg dry	0.618	0.618	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:35	KV
7439-89-6	Iron	14500		mg/kg dry	2.47	2.47	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:35	KV
7439-92-1	Lead	235		mg/kg dry	0.371	0.371	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:35	KV
7439-95-4	Magnesium	2600		mg/kg dry	6.18	6.18	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:35	KV
7439-96-5	Manganese	408		mg/kg dry	0.618	0.618	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:35	KV
7440-02-0	Nickel	13.3		mg/kg dry	0.618	0.618	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:35	KV
7440-09-7	Potassium	1050		mg/kg dry	6.18	6.18	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:35	KV
7782-49-2	Selenium	1.90		mg/kg dry	1.24	1.24	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:35	KV
7440-22-4	Silver	ND		mg/kg dry	0.618	0.618	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:35	KV
7440-23-5	Sodium	176		mg/kg dry	12.4	12.4	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/20/2016 11:44	06/20/2016 22:35	KV
7440-28-0	Thallium	ND		mg/kg dry	1.24	1.24	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:35	KV
7440-62-2	Vanadium	23.0		mg/kg dry	1.24	1.24	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:35	KV
7440-66-6	Zinc	140		mg/kg dry	1.24	1.24	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:35	KV

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	1.37		mg/kg dry	0.0371	0.0371	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	06/20/2016 06:21	06/20/2016 10:43	ALD

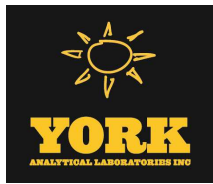
Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	81.0		%	0.100	0.100	1	SM 2540G Certifications: CTDOH	06/20/2016 11:50	06/21/2016 14:07	LAB



Sample Information

Client Sample ID: SB-8

York Sample ID: 16F0682-07

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Soil

Collection Date/Time

June 15, 2016 12:00 pm

Date Received

06/17/2016

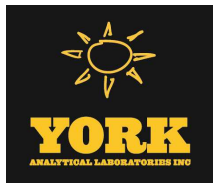
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 12:33	06/23/2016 18:15	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/23/2016 12:33	06/23/2016 18:15	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND	IS-LO	ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/23/2016 12:33	06/23/2016 18:15	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 12:33	06/23/2016 18:15	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/23/2016 12:33	06/23/2016 18:15	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/23/2016 12:33	06/23/2016 18:15	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/23/2016 12:33	06/23/2016 18:15	SS
87-61-6	1,2,3-Trichlorobenzene	ND	IS-LO	ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/23/2016 12:33	06/23/2016 18:15	SS
96-18-4	1,2,3-Trichloropropane	ND	IS-LO	ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/23/2016 12:33	06/23/2016 18:15	SS
120-82-1	1,2,4-Trichlorobenzene	ND	IS-LO	ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/23/2016 12:33	06/23/2016 18:15	SS
95-63-6	1,2,4-Trimethylbenzene	ND	IS-LO	ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 12:33	06/23/2016 18:15	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND	IS-LO	ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 12:33	06/23/2016 18:15	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 12:33	06/23/2016 18:15	SS
95-50-1	1,2-Dichlorobenzene	ND	IS-LO	ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/23/2016 12:33	06/23/2016 18:15	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/23/2016 12:33	06/23/2016 18:15	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 12:33	06/23/2016 18:15	SS
108-67-8	1,3,5-Trimethylbenzene	ND	IS-LO	ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 12:33	06/23/2016 18:15	SS
541-73-1	1,3-Dichlorobenzene	ND	IS-LO	ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/23/2016 12:33	06/23/2016 18:15	SS
106-46-7	1,4-Dichlorobenzene	ND	IS-LO	ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/23/2016 12:33	06/23/2016 18:15	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	47	93	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/23/2016 12:33	06/23/2016 18:15	SS
78-93-3	2-Butanone	5.3		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 12:33	06/23/2016 18:15	SS



Sample Information

Client Sample ID: SB-8

York Sample ID: 16F0682-07

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Soil

Collection Date/Time

June 15, 2016 12:00 pm

Date Received

06/17/2016

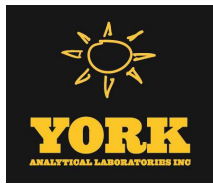
Volatile Organics, 8260 - Comprehensive

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	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 12:33	06/23/2016 18:15	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 12:33	06/23/2016 18:15	SS
67-64-1	Acetone	15	B	ug/kg dry	4.7	9.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 12:33	06/23/2016 18:15	SS
107-02-8	Acrolein	ND		ug/kg dry	4.7	9.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 12:33	06/23/2016 18:15	SS
107-13-1	Acrylonitrile	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 12:33	06/23/2016 18:15	SS
71-43-2	Benzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/23/2016 12:33	06/23/2016 18:15	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/23/2016 12:33	06/23/2016 18:15	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/23/2016 12:33	06/23/2016 18:15	SS
75-25-2	Bromoform	ND	IS-LO	ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/23/2016 12:33	06/23/2016 18:15	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/23/2016 12:33	06/23/2016 18:15	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 12:33	06/23/2016 18:15	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/23/2016 12:33	06/23/2016 18:15	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/23/2016 12:33	06/23/2016 18:15	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/23/2016 12:33	06/23/2016 18:15	SS
67-66-3	Chloroform	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/23/2016 12:33	06/23/2016 18:15	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/23/2016 12:33	06/23/2016 18:15	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 12:33	06/23/2016 18:15	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/23/2016 12:33	06/23/2016 18:15	SS
110-82-7	Cyclohexane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/23/2016 12:33	06/23/2016 18:15	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	06/23/2016 12:33	06/23/2016 18:15	SS
74-95-3	Dibromomethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/23/2016 12:33	06/23/2016 18:15	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/23/2016 12:33	06/23/2016 18:15	SS



Sample Information

Client Sample ID: SB-8

York Sample ID: 16F0682-07

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Soil

Collection Date/Time

June 15, 2016 12:00 pm

Date Received

06/17/2016

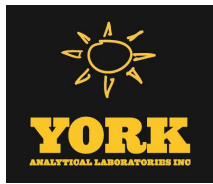
Volatile Organics, 8260 - Comprehensive

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	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/23/2016 12:33	06/23/2016 18:15	SS
87-68-3	Hexachlorobutadiene	ND	IS-LO	ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/23/2016 12:33	06/23/2016 18:15	SS
98-82-8	Isopropylbenzene	ND	IS-LO	ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 12:33	06/23/2016 18:15	SS
79-20-9	Methyl acetate	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/23/2016 12:33	06/23/2016 18:15	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 12:33	06/23/2016 18:15	SS
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/23/2016 12:33	06/23/2016 18:15	SS
75-09-2	Methylene chloride	ND		ug/kg dry	4.7	9.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/23/2016 12:33	06/23/2016 18:15	SS
104-51-8	n-Butylbenzene	ND	IS-LO	ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 12:33	06/23/2016 18:15	SS
103-65-1	n-Propylbenzene	ND	IS-LO	ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 12:33	06/23/2016 18:15	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	06/23/2016 12:33	06/23/2016 18:15	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.7	9.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	06/23/2016 12:33	06/23/2016 18:15	SS
99-87-6	p-Isopropyltoluene	ND	IS-LO	ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 12:33	06/23/2016 18:15	SS
135-98-8	sec-Butylbenzene	ND	IS-LO	ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 12:33	06/23/2016 18:15	SS
100-42-5	Styrene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 12:33	06/23/2016 18:15	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/23/2016 12:33	06/23/2016 18:15	SS
98-06-6	tert-Butylbenzene	ND	IS-LO	ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 12:33	06/23/2016 18:15	SS
127-18-4	Tetrachloroethylene	16		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/23/2016 12:33	06/23/2016 18:15	SS
108-88-3	Toluene	2.4	J	ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/23/2016 12:33	06/23/2016 18:15	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 12:33	06/23/2016 18:15	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/23/2016 12:33	06/23/2016 18:15	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/23/2016 12:33	06/23/2016 18:15	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/23/2016 12:33	06/23/2016 18:15	SS



Sample Information

Client Sample ID: SB-8

York Sample ID: 16F0682-07

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Soil

Collection Date/Time

June 15, 2016 12:00 pm

Date Received

06/17/2016

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	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/23/2016 12:33	06/23/2016 18:15	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	7.0	14	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/23/2016 12:33	06/23/2016 18:15	SS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	100 %				77-125					
2037-26-5	Surrogate: Toluene-d8	105 %				85-120					
460-00-4	Surrogate: p-Bromofluorobenzene	154 %	S-08			76-130					

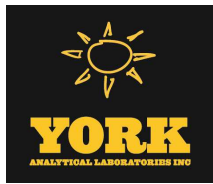
Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1'-Biphenyl	ND		ug/kg dry	45.1	89.9	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 15:28	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	89.9	180	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 15:28	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	45.1	89.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 15:28	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	45.1	89.9	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	06/22/2016 07:34	06/22/2016 15:28	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	45.1	89.9	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 15:28	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	45.1	89.9	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	06/22/2016 07:34	06/22/2016 15:28	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	45.1	89.9	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	06/22/2016 07:34	06/22/2016 15:28	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	89.9	180	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 15:28	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	45.1	89.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 15:28	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	45.1	89.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 15:28	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	45.1	89.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 15:28	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	45.1	89.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 15:28	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	89.9	180	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 15:28	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	45.1	89.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 15:28	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	45.1	89.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 15:28	KH



Sample Information

Client Sample ID: SB-8

York Sample ID: 16F0682-07

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Soil

Collection Date/Time

June 15, 2016 12:00 pm

Date Received

06/17/2016

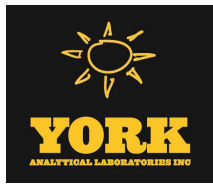
Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	45.1	89.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 15:28	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	45.1	89.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 15:28	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	45.1	89.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 15:28	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	45.1	89.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 15:28	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	89.9	180	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 15:28	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	45.1	89.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 15:28	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	45.1	89.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 15:28	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	45.1	89.9	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 15:28	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	89.9	180	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 15:28	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	89.9	180	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 15:28	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	45.1	89.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 15:28	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	45.1	89.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 15:28	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	45.1	89.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 15:28	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	45.1	89.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 15:28	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	89.9	180	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 15:28	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	89.9	180	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 15:28	KH
83-32-9	Acenaphthene	ND		ug/kg dry	45.1	89.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 15:28	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	45.1	89.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 15:28	KH
98-86-2	Acetophenone	ND		ug/kg dry	45.1	89.9	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 15:28	KH
62-53-3	Aniline	ND		ug/kg dry	180	360	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 15:28	KH
120-12-7	Anthracene	ND		ug/kg dry	45.1	89.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 15:28	KH
1912-24-9	Atrazine	ND		ug/kg dry	45.1	89.9	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 15:28	KH



Sample Information

Client Sample ID: SB-8

York Sample ID: 16F0682-07

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Soil

Collection Date/Time

June 15, 2016 12:00 pm

Date Received

06/17/2016

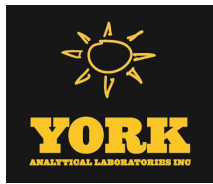
Semi-Volatiles, 8270 - Comprehensive

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
100-52-7	Benzaldehyde	ND		ug/kg dry	45.1	89.9	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 15:28	KH
92-87-5	Benzidine	ND		ug/kg dry	180	360	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	06/22/2016 07:34	06/22/2016 15:28	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	45.1	89.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 15:28	KH
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	45.1	89.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 15:28	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	45.1	89.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 15:28	KH
191-24-2	Benzo(g,h,i)perylene	61.8	CCV-E , IS-06, J	ug/kg dry	45.1	89.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 15:28	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	45.1	89.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 15:28	KH
65-85-0	Benzoic acid	ND		ug/kg dry	45.1	89.9	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 15:28	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	45.1	89.9	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 15:28	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	45.1	89.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 15:28	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	45.1	89.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 15:28	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	45.1	89.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 15:28	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	45.1	89.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 15:28	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	45.1	89.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 15:28	KH
105-60-2	Caprolactam	ND		ug/kg dry	89.9	180	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 15:28	KH
86-74-8	Carbazole	ND		ug/kg dry	45.1	89.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 15:28	KH
218-01-9	Chrysene	ND		ug/kg dry	45.1	89.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 15:28	KH
53-70-3	Dibenzo(a,h)anthracene	ND	IS-06	ug/kg dry	45.1	89.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 15:28	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	45.1	89.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 15:28	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	45.1	89.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 15:28	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	45.1	89.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 15:28	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	45.1	89.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 15:28	KH



Sample Information

Client Sample ID: SB-8

York Sample ID: 16F0682-07

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Soil

Collection Date/Time

June 15, 2016 12:00 pm

Date Received

06/17/2016

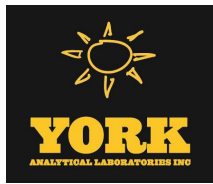
Semi-Volatiles, 8270 - Comprehensive

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
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	45.1	89.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 15:28	KH
206-44-0	Fluoranthene	ND		ug/kg dry	45.1	89.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 15:28	KH
86-73-7	Fluorene	ND		ug/kg dry	45.1	89.9	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 15:28	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	45.1	89.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 15:28	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	45.1	89.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 15:28	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	45.1	89.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 15:28	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	45.1	89.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 15:28	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND	IS-06	ug/kg dry	45.1	89.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 15:28	KH
78-59-1	Isophorone	ND		ug/kg dry	45.1	89.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 15:28	KH
91-20-3	Naphthalene	ND		ug/kg dry	45.1	89.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 15:28	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	45.1	89.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 15:28	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	45.1	89.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 15:28	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	45.1	89.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 15:28	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	45.1	89.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 15:28	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	45.1	89.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 15:28	KH
85-01-8	Phenanthrene	ND		ug/kg dry	45.1	89.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 15:28	KH
108-95-2	Phenol	ND		ug/kg dry	45.1	89.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 15:28	KH
129-00-0	Pyrene	ND		ug/kg dry	45.1	89.9	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 15:28	KH
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	50.9 %	20-108								
4165-62-2	Surrogate: Phenol-d5	53.4 %	23-114								
4165-60-0	Surrogate: Nitrobenzene-d5	57.3 %	22-108								
321-60-8	Surrogate: 2-Fluorobiphenyl	57.4 %	21-113								
118-79-6	Surrogate: 2,4,6-Tribromophenol	44.5 %	19-110								
1718-51-0	Surrogate: Terphenyl-d14	33.1 %	24-116								



Sample Information

Client Sample ID: SB-8

York Sample ID: 16F0682-07

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Soil

Collection Date/Time

June 15, 2016 12:00 pm

Date Received

06/17/2016

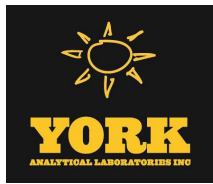
Metals, Target Analyte

Sample Prepared by Method: EPA 3050B

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	6280		mg/kg dry	5.39	5.39	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:40	KV
7440-36-0	Antimony	0.543		mg/kg dry	0.539	0.539	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:40	KV
7440-38-2	Arsenic	2.35		mg/kg dry	1.08	1.08	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:40	KV
7440-39-3	Barium	31.9		mg/kg dry	1.08	1.08	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:40	KV
7440-41-7	Beryllium	ND		mg/kg dry	0.108	0.108	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:40	KV
7440-43-9	Cadmium	ND		mg/kg dry	0.323	0.323	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:40	KV
7440-70-2	Calcium	16000		mg/kg dry	0.539	0.539	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:40	KV
7440-47-3	Chromium	17.3		mg/kg dry	0.539	0.539	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:40	KV
7440-48-4	Cobalt	4.80		mg/kg dry	0.539	0.539	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:40	KV
7440-50-8	Copper	21.2		mg/kg dry	0.539	0.539	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:40	KV
7439-89-6	Iron	30800		mg/kg dry	2.16	2.16	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:40	KV
7439-92-1	Lead	21.5		mg/kg dry	0.323	0.323	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:40	KV
7439-95-4	Magnesium	1730		mg/kg dry	5.39	5.39	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:40	KV
7439-96-5	Manganese	351		mg/kg dry	0.539	0.539	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:40	KV
7440-02-0	Nickel	13.7		mg/kg dry	0.539	0.539	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:40	KV
7440-09-7	Potassium	1130		mg/kg dry	5.39	5.39	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:40	KV
7782-49-2	Selenium	1.23		mg/kg dry	1.08	1.08	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:40	KV
7440-22-4	Silver	ND		mg/kg dry	0.539	0.539	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:40	KV
7440-23-5	Sodium	460		mg/kg dry	10.8	10.8	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/20/2016 11:44	06/20/2016 22:40	KV
7440-28-0	Thallium	ND		mg/kg dry	1.08	1.08	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:40	KV
7440-62-2	Vanadium	18.5		mg/kg dry	1.08	1.08	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:40	KV
7440-66-6	Zinc	32.6		mg/kg dry	1.08	1.08	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:40	KV



Sample Information

Client Sample ID: SB-8

York Sample ID: 16F0682-07

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Soil

Collection Date/Time

June 15, 2016 12:00 pm

Date Received

06/17/2016

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.101		mg/kg dry	0.0323	0.0323	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	06/20/2016 06:21	06/20/2016 10:55	ALD

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	92.8		%	0.100	0.100	1	SM 2540G Certifications: CTDOH	06/20/2016 11:50	06/21/2016 14:07	LAB

Sample Information

Client Sample ID: SB-8.2

York Sample ID: 16F0682-08

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Soil

Collection Date/Time

June 15, 2016 1:05 pm

Date Received

06/17/2016

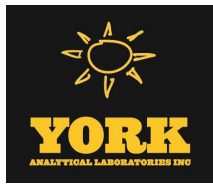
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	230	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 12:33	06/23/2016 18:50	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	230	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/23/2016 12:33	06/23/2016 18:50	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	230	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/23/2016 12:33	06/23/2016 18:50	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	230	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 12:33	06/23/2016 18:50	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	230	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/23/2016 12:33	06/23/2016 18:50	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	230	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/23/2016 12:33	06/23/2016 18:50	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	230	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/23/2016 12:33	06/23/2016 18:50	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	230	450	100	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/23/2016 12:33	06/23/2016 18:50	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	230	450	100	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/23/2016 12:33	06/23/2016 18:50	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	230	450	100	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/23/2016 12:33	06/23/2016 18:50	SS



Sample Information

Client Sample ID: SB-8.2

York Sample ID: 16F0682-08

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Soil

Collection Date/Time

June 15, 2016 1:05 pm

Date Received

06/17/2016

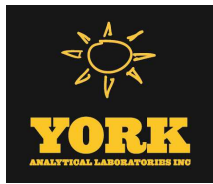
Volatile Organics, 8260 - Comprehensive

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
95-63-6	1,2,4-Trimethylbenzene	5100		ug/kg dry	230	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 12:33	06/23/2016 18:50	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	230	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 12:33	06/23/2016 18:50	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	230	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 12:33	06/23/2016 18:50	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	230	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/23/2016 12:33	06/23/2016 18:50	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	230	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/23/2016 12:33	06/23/2016 18:50	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	230	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 12:33	06/23/2016 18:50	SS
108-67-8	1,3,5-Trimethylbenzene	420	J	ug/kg dry	230	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 12:33	06/23/2016 18:50	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	230	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/23/2016 12:33	06/23/2016 18:50	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	230	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/23/2016 12:33	06/23/2016 18:50	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	4500	9000	100	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/23/2016 12:33	06/23/2016 18:50	SS
78-93-3	2-Butanone	360	J	ug/kg dry	230	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 12:33	06/23/2016 18:50	SS
591-78-6	2-Hexanone	ND		ug/kg dry	230	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 12:33	06/23/2016 18:50	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	230	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 12:33	06/23/2016 18:50	SS
67-64-1	Acetone	690	J, B	ug/kg dry	450	900	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 12:33	06/23/2016 18:50	SS
107-02-8	Acrolein	ND		ug/kg dry	450	900	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 12:33	06/23/2016 18:50	SS
107-13-1	Acrylonitrile	ND		ug/kg dry	230	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 12:33	06/23/2016 18:50	SS
71-43-2	Benzene	470		ug/kg dry	230	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/23/2016 12:33	06/23/2016 18:50	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	230	450	100	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/23/2016 12:33	06/23/2016 18:50	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	230	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/23/2016 12:33	06/23/2016 18:50	SS
75-25-2	Bromoform	ND		ug/kg dry	230	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/23/2016 12:33	06/23/2016 18:50	SS
74-83-9	Bromomethane	930		ug/kg dry	230	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/23/2016 12:33	06/23/2016 18:50	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	230	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 12:33	06/23/2016 18:50	SS



Sample Information

Client Sample ID: SB-8.2

York Sample ID: 16F0682-08

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Soil

Collection Date/Time

June 15, 2016 1:05 pm

Date Received

06/17/2016

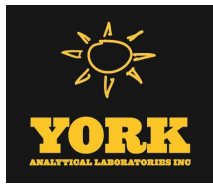
Volatile Organics, 8260 - Comprehensive

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
56-23-5	Carbon tetrachloride	ND		ug/kg dry	230	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/23/2016 12:33	06/23/2016 18:50	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	230	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/23/2016 12:33	06/23/2016 18:50	SS
75-00-3	Chloroethane	ND		ug/kg dry	230	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/23/2016 12:33	06/23/2016 18:50	SS
67-66-3	Chloroform	ND		ug/kg dry	230	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/23/2016 12:33	06/23/2016 18:50	SS
74-87-3	Chloromethane	240	J	ug/kg dry	230	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/23/2016 12:33	06/23/2016 18:50	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	230	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 12:33	06/23/2016 18:50	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	230	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/23/2016 12:33	06/23/2016 18:50	SS
110-82-7	Cyclohexane	2200		ug/kg dry	230	450	100	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/23/2016 12:33	06/23/2016 18:50	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	230	450	100	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	06/23/2016 12:33	06/23/2016 18:50	SS
74-95-3	Dibromomethane	ND		ug/kg dry	230	450	100	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/23/2016 12:33	06/23/2016 18:50	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	230	450	100	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/23/2016 12:33	06/23/2016 18:50	SS
100-41-4	Ethyl Benzene	6100		ug/kg dry	230	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/23/2016 12:33	06/23/2016 18:50	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	230	450	100	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/23/2016 12:33	06/23/2016 18:50	SS
98-82-8	Isopropylbenzene	3300		ug/kg dry	230	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 12:33	06/23/2016 18:50	SS
79-20-9	Methyl acetate	ND		ug/kg dry	230	450	100	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/23/2016 12:33	06/23/2016 18:50	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	230	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 12:33	06/23/2016 18:50	SS
108-87-2	Methylcyclohexane	7200		ug/kg dry	230	450	100	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/23/2016 12:33	06/23/2016 18:50	SS
75-09-2	Methylene chloride	490	J	ug/kg dry	450	900	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/23/2016 12:33	06/23/2016 18:50	SS
104-51-8	n-Butylbenzene	3300	CCV-E	ug/kg dry	230	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 12:33	06/23/2016 18:50	SS
103-65-1	n-Propylbenzene	5500	CCV-E	ug/kg dry	230	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 12:33	06/23/2016 18:50	SS
95-47-6	o-Xylene	2800		ug/kg dry	230	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854	06/23/2016 12:33	06/23/2016 18:50	SS
179601-23-1	p- & m- Xylenes	1100		ug/kg dry	450	900	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854	06/23/2016 12:33	06/23/2016 18:50	SS
99-87-6	p-Isopropyltoluene	2400		ug/kg dry	230	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 12:33	06/23/2016 18:50	SS



Sample Information

Client Sample ID: SB-8.2

York Sample ID: 16F0682-08

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Soil

Collection Date/Time

June 15, 2016 1:05 pm

Date Received

06/17/2016

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	4500		ug/kg dry	230	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 12:33	06/23/2016 18:50	SS
100-42-5	Styrene	ND		ug/kg dry	230	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 12:33	06/23/2016 18:50	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	230	450	100	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/23/2016 12:33	06/23/2016 18:50	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	230	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 12:33	06/23/2016 18:50	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	230	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/23/2016 12:33	06/23/2016 18:50	SS
108-88-3	Toluene	380	J	ug/kg dry	230	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/23/2016 12:33	06/23/2016 18:50	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	230	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 12:33	06/23/2016 18:50	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	230	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/23/2016 12:33	06/23/2016 18:50	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	230	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/23/2016 12:33	06/23/2016 18:50	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	230	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/23/2016 12:33	06/23/2016 18:50	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	230	450	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/23/2016 12:33	06/23/2016 18:50	SS
1330-20-7	Xylenes, Total	3900		ug/kg dry	680	1400	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/23/2016 12:33	06/23/2016 18:50	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	95.0 %	77-125								
2037-26-5	Surrogate: Toluene-d8	91.6 %	85-120								
460-00-4	Surrogate: p-Bromofluorobenzene	86.6 %	76-130								

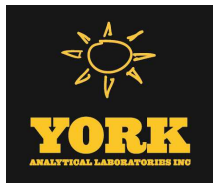
Semi-Volatiles, 8270 - Comprehensive

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	576		ug/kg dry	218	434	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 16:02	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	434	867	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 16:02	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	218	434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 16:02	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	218	434	10	EPA 8270D Certifications: NELAC-NY10854,PADEP	06/22/2016 07:34	06/22/2016 16:02	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	218	434	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 16:02	KH



Sample Information

Client Sample ID: SB-8.2

York Sample ID: 16F0682-08

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Soil

Collection Date/Time

June 15, 2016 1:05 pm

Date Received

06/17/2016

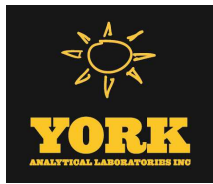
Semi-Volatiles, 8270 - Comprehensive

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
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	218	434	10	EPA 8270D Certifications: NELAC-NY10854,PADEP	06/22/2016 07:34	06/22/2016 16:02	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	218	434	10	EPA 8270D Certifications: NELAC-NY10854,PADEP	06/22/2016 07:34	06/22/2016 16:02	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	434	867	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 16:02	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	218	434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 16:02	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	218	434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 16:02	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	218	434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 16:02	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	218	434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 16:02	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	434	867	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 16:02	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	218	434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 16:02	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	218	434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 16:02	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	218	434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 16:02	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	218	434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 16:02	KH
91-57-6	2-Methylnaphthalene	21100		ug/kg dry	435	868	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/23/2016 20:34	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	218	434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 16:02	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	434	867	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 16:02	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	218	434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 16:02	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	218	434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 16:02	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	218	434	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 16:02	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	434	867	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 16:02	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	434	867	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 16:02	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	218	434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 16:02	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	218	434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 16:02	KH



Sample Information

Client Sample ID: SB-8.2

York Sample ID: 16F0682-08

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Soil

Collection Date/Time

June 15, 2016 1:05 pm

Date Received

06/17/2016

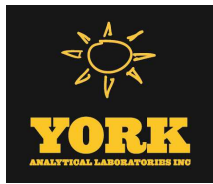
Semi-Volatiles, 8270 - Comprehensive

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
106-47-8	4-Chloroaniline	ND		ug/kg dry	218	434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 16:02	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	218	434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 16:02	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	434	867	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 16:02	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	434	867	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 16:02	KH
83-32-9	Acenaphthene	1100		ug/kg dry	218	434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 16:02	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	218	434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 16:02	KH
98-86-2	Acetophenone	ND		ug/kg dry	218	434	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 16:02	KH
62-53-3	Aniline	ND		ug/kg dry	869	1740	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 16:02	KH
120-12-7	Anthracene	808		ug/kg dry	218	434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 16:02	KH
1912-24-9	Atrazine	ND		ug/kg dry	218	434	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 16:02	KH
100-52-7	Benzaldehyde	ND		ug/kg dry	218	434	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 16:02	KH
92-87-5	Benzidine	ND		ug/kg dry	869	1740	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	06/22/2016 07:34	06/22/2016 16:02	KH
56-55-3	Benzo(a)anthracene	749		ug/kg dry	218	434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 16:02	KH
50-32-8	Benzo(a)pyrene	392	J	ug/kg dry	218	434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 16:02	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	218	434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 16:02	KH
191-24-2	Benzo(g,h,i)perylene	402	J, CCV-E , IS-06	ug/kg dry	218	434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 16:02	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	218	434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 16:02	KH
65-85-0	Benzoic acid	ND		ug/kg dry	218	434	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 16:02	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	218	434	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 16:02	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	218	434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 16:02	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	218	434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 16:02	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	218	434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 16:02	KH



Sample Information

Client Sample ID: SB-8.2

York Sample ID: 16F0682-08

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Soil

Collection Date/Time

June 15, 2016 1:05 pm

Date Received

06/17/2016

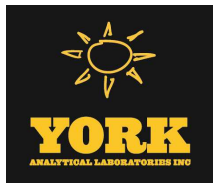
Semi-Volatiles, 8270 - Comprehensive

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
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	218	434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 16:02	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	218	434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 16:02	KH
105-60-2	Caprolactam	ND		ug/kg dry	434	867	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 16:02	KH
86-74-8	Carbazole	ND		ug/kg dry	218	434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 16:02	KH
218-01-9	Chrysene	1930	CCV-E	ug/kg dry	218	434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 16:02	KH
53-70-3	Dibenzo(a,h)anthracene	ND	IS-06	ug/kg dry	218	434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 16:02	KH
132-64-9	Dibenzofuran	742		ug/kg dry	218	434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 16:02	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	218	434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 16:02	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	218	434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 16:02	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	218	434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 16:02	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	218	434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 16:02	KH
206-44-0	Fluoranthene	767		ug/kg dry	218	434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 16:02	KH
86-73-7	Fluorene	2020		ug/kg dry	218	434	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 16:02	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	218	434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 16:02	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	218	434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 16:02	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	218	434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 16:02	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	218	434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 16:02	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND	IS-06	ug/kg dry	218	434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 16:02	KH
78-59-1	Isophorone	ND		ug/kg dry	218	434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 16:02	KH
91-20-3	Naphthalene	7130		ug/kg dry	218	434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 16:02	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	218	434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 16:02	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	218	434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 16:02	KH



Sample Information

Client Sample ID: SB-8.2

York Sample ID: 16F0682-08

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Soil

Collection Date/Time

June 15, 2016 1:05 pm

Date Received

06/17/2016

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
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	218	434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 16:02	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	218	434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 16:02	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	218	434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 16:02	KH
85-01-8	Phenanthrene	5780		ug/kg dry	218	434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 16:02	KH
108-95-2	Phenol	ND		ug/kg dry	218	434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 16:02	KH
129-00-0	Pyrene	1940		ug/kg dry	218	434	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 16:02	KH
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: 2-Fluorophenol	21.0 %			20-108						
4165-62-2	Surrogate: Phenol-d5	21.7 %	S-01		23-114						
4165-60-0	Surrogate: Nitrobenzene-d5	21.1 %	S-01		22-108						
321-60-8	Surrogate: 2-Fluorobiphenyl	26.1 %			21-113						
118-79-6	Surrogate: 2,4,6-Tribromophenol	16.8 %	S-01		19-110						
1718-51-0	Surrogate: Terphenyl-d14	14.5 %	S-01		24-116						

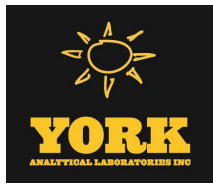
Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	2570		mg/kg dry	5.20	5.20	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:44	KV
7440-36-0	Antimony	ND		mg/kg dry	0.520	0.520	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:44	KV
7440-38-2	Arsenic	ND		mg/kg dry	1.04	1.04	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:44	KV
7440-39-3	Barium	18.6		mg/kg dry	1.04	1.04	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:44	KV
7440-41-7	Beryllium	ND		mg/kg dry	0.104	0.104	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:44	KV
7440-43-9	Cadmium	ND		mg/kg dry	0.312	0.312	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:44	KV
7440-70-2	Calcium	832		mg/kg dry	0.520	5.20	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:44	KV
7440-47-3	Chromium	13.7		mg/kg dry	0.520	0.520	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:44	KV
7440-48-4	Cobalt	3.78		mg/kg dry	0.520	0.520	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:44	KV
7440-50-8	Copper	17.2		mg/kg dry	0.520	0.520	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:44	KV



Sample Information

Client Sample ID: SB-8.2

York Sample ID: 16F0682-08

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Soil

Collection Date/Time

June 15, 2016 1:05 pm

Date Received

06/17/2016

Metals, Target Analyte

Sample Prepared by Method: EPA 3050B

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	25200		mg/kg dry	2.08	2.08	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:44	KV
7439-92-1	Lead	2.61		mg/kg dry	0.312	0.312	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:44	KV
7439-95-4	Magnesium	1040		mg/kg dry	5.20	5.20	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:44	KV
7439-96-5	Manganese	350		mg/kg dry	0.520	0.520	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:44	KV
7440-02-0	Nickel	12.8		mg/kg dry	0.520	0.520	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:44	KV
7440-09-7	Potassium	520		mg/kg dry	5.20	5.20	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:44	KV
7782-49-2	Selenium	1.55		mg/kg dry	1.04	1.04	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:44	KV
7440-22-4	Silver	ND		mg/kg dry	0.520	0.520	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:44	KV
7440-23-5	Sodium	63.1		mg/kg dry	10.4	10.4	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/20/2016 11:44	06/20/2016 22:44	KV
7440-28-0	Thallium	ND		mg/kg dry	1.04	1.04	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:44	KV
7440-62-2	Vanadium	22.5		mg/kg dry	1.04	1.04	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:44	KV
7440-66-6	Zinc	11.5		mg/kg dry	1.04	1.04	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:44	KV

Mercury by 7473

Sample Prepared by Method: EPA 7473 soil

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0312	0.0312	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	06/20/2016 06:21	06/20/2016 11:04	ALD

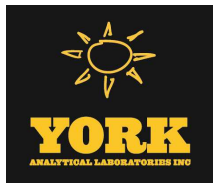
Total Solids

Sample Prepared by Method: % Solids Prep

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	96.1		%	0.100	0.100	1	SM 2540G Certifications: CTDOH	06/20/2016 11:50	06/21/2016 14:07	LAB



Sample Information

Client Sample ID: SB-9

York Sample ID: 16F0682-09

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Soil

Collection Date/Time

June 15, 2016 2:45 pm

Date Received

06/17/2016

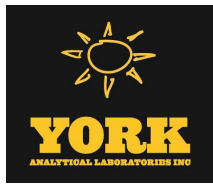
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:41	06/22/2016 22:51	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:41	06/22/2016 22:51	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND	IS-LO	ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:41	06/22/2016 22:51	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:41	06/22/2016 22:51	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:41	06/22/2016 22:51	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:41	06/22/2016 22:51	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:41	06/22/2016 22:51	SS
87-61-6	1,2,3-Trichlorobenzene	ND	IS-LO	ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:41	06/22/2016 22:51	SS
96-18-4	1,2,3-Trichloropropane	ND	IS-LO	ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:41	06/22/2016 22:51	SS
120-82-1	1,2,4-Trichlorobenzene	ND	IS-LO	ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:41	06/22/2016 22:51	SS
95-63-6	1,2,4-Trimethylbenzene	ND	IS-LO	ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:41	06/22/2016 22:51	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND	IS-LO	ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:41	06/22/2016 22:51	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:41	06/22/2016 22:51	SS
95-50-1	1,2-Dichlorobenzene	ND	IS-LO	ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:41	06/22/2016 22:51	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:41	06/22/2016 22:51	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:41	06/22/2016 22:51	SS
108-67-8	1,3,5-Trimethylbenzene	ND	IS-LO	ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:41	06/22/2016 22:51	SS
541-73-1	1,3-Dichlorobenzene	ND	IS-LO	ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:41	06/22/2016 22:51	SS
106-46-7	1,4-Dichlorobenzene	ND	IS-LO	ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:41	06/22/2016 22:51	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	47	93	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:41	06/22/2016 22:51	SS
78-93-3	2-Butanone	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:41	06/22/2016 22:51	SS



Sample Information

Client Sample ID: SB-9

York Sample ID: 16F0682-09

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Soil

Collection Date/Time

June 15, 2016 2:45 pm

Date Received

06/17/2016

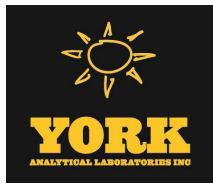
Volatile Organics, 8260 - Comprehensive

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	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:41	06/22/2016 22:51	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:41	06/22/2016 22:51	SS
67-64-1	Acetone	11		ug/kg dry	4.7	9.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:41	06/22/2016 22:51	SS
107-02-8	Acrolein	ND		ug/kg dry	4.7	9.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:41	06/22/2016 22:51	SS
107-13-1	Acrylonitrile	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:41	06/22/2016 22:51	SS
71-43-2	Benzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:41	06/22/2016 22:51	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:41	06/22/2016 22:51	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:41	06/22/2016 22:51	SS
75-25-2	Bromoform	ND	IS-LO	ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:41	06/22/2016 22:51	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:41	06/22/2016 22:51	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:41	06/22/2016 22:51	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:41	06/22/2016 22:51	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:41	06/22/2016 22:51	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:41	06/22/2016 22:51	SS
67-66-3	Chloroform	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:41	06/22/2016 22:51	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:41	06/22/2016 22:51	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:41	06/22/2016 22:51	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:41	06/22/2016 22:51	SS
110-82-7	Cyclohexane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:41	06/22/2016 22:51	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:41	06/22/2016 22:51	SS
74-95-3	Dibromomethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:41	06/22/2016 22:51	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:41	06/22/2016 22:51	SS



Sample Information

Client Sample ID: SB-9

York Sample ID: 16F0682-09

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Soil

Collection Date/Time

June 15, 2016 2:45 pm

Date Received

06/17/2016

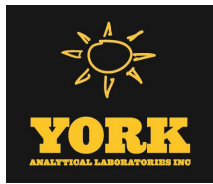
Volatile Organics, 8260 - Comprehensive

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	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:41	06/22/2016 22:51	SS
87-68-3	Hexachlorobutadiene	ND	IS-LO	ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:41	06/22/2016 22:51	SS
98-82-8	Isopropylbenzene	ND	IS-LO	ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:41	06/22/2016 22:51	SS
79-20-9	Methyl acetate	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:41	06/22/2016 22:51	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:41	06/22/2016 22:51	SS
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:41	06/22/2016 22:51	SS
75-09-2	Methylene chloride	ND		ug/kg dry	4.7	9.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:41	06/22/2016 22:51	SS
104-51-8	n-Butylbenzene	ND	IS-LO	ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:41	06/22/2016 22:51	SS
103-65-1	n-Propylbenzene	ND	IS-LO	ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:41	06/22/2016 22:51	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	06/22/2016 16:41	06/22/2016 22:51	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.7	9.3	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	06/22/2016 16:41	06/22/2016 22:51	SS
99-87-6	p-Isopropyltoluene	ND	IS-LO	ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:41	06/22/2016 22:51	SS
135-98-8	sec-Butylbenzene	ND	IS-LO	ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:41	06/22/2016 22:51	SS
100-42-5	Styrene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:41	06/22/2016 22:51	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:41	06/22/2016 22:51	SS
98-06-6	tert-Butylbenzene	ND	IS-LO	ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:41	06/22/2016 22:51	SS
127-18-4	Tetrachloroethylene	8.0		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:41	06/22/2016 22:51	SS
108-88-3	Toluene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:41	06/22/2016 22:51	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:41	06/22/2016 22:51	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:41	06/22/2016 22:51	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:41	06/22/2016 22:51	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:41	06/22/2016 22:51	SS



Sample Information

Client Sample ID: SB-9

York Sample ID: 16F0682-09

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Soil

Collection Date/Time

June 15, 2016 2:45 pm

Date Received

06/17/2016

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	2.3	4.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:41	06/22/2016 22:51	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	7.0	14	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:41	06/22/2016 22:51	SS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	117 %			77-125						
2037-26-5	Surrogate: Toluene-d8	112 %			85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	126 %			76-130						

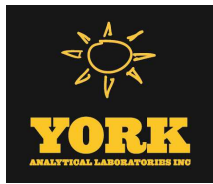
Semi-Volatiles, 8270 - Comprehensive

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	222	444	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/24/2016 14:27	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	444	886	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/24/2016 14:27	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	222	444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/24/2016 14:27	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	222	444	10	EPA 8270D Certifications: NELAC-NY10854,PADEP	06/22/2016 07:34	06/24/2016 14:27	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	222	444	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/24/2016 14:27	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	222	444	10	EPA 8270D Certifications: NELAC-NY10854,PADEP	06/22/2016 07:34	06/24/2016 14:27	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	222	444	10	EPA 8270D Certifications: NELAC-NY10854,PADEP	06/22/2016 07:34	06/24/2016 14:27	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	444	886	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/24/2016 14:27	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	222	444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/24/2016 14:27	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	222	444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/24/2016 14:27	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	222	444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/24/2016 14:27	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	222	444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/24/2016 14:27	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	444	886	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/24/2016 14:27	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	222	444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/24/2016 14:27	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	222	444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/24/2016 14:27	SR



Sample Information

Client Sample ID: SB-9

York Sample ID: 16F0682-09

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Soil

Collection Date/Time

June 15, 2016 2:45 pm

Date Received

06/17/2016

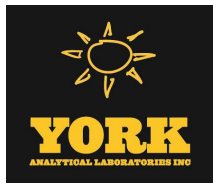
Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	222	444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/24/2016 14:27	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	222	444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/24/2016 14:27	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	222	444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/24/2016 14:27	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	222	444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/24/2016 14:27	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	444	886	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/24/2016 14:27	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	222	444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/24/2016 14:27	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	222	444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/24/2016 14:27	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	222	444	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/24/2016 14:27	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	444	886	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/24/2016 14:27	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	444	886	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/24/2016 14:27	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	222	444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/24/2016 14:27	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	222	444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/24/2016 14:27	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	222	444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/24/2016 14:27	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	222	444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/24/2016 14:27	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	444	886	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/24/2016 14:27	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	444	886	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/24/2016 14:27	SR
83-32-9	Acenaphthene	ND		ug/kg dry	222	444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/24/2016 14:27	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	222	444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/24/2016 14:27	SR
98-86-2	Acetophenone	ND		ug/kg dry	222	444	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/24/2016 14:27	SR
62-53-3	Aniline	ND		ug/kg dry	888	1780	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/24/2016 14:27	SR
120-12-7	Anthracene	ND		ug/kg dry	222	444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/24/2016 14:27	SR
1912-24-9	Atrazine	ND		ug/kg dry	222	444	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/24/2016 14:27	SR



Sample Information

Client Sample ID: SB-9

York Sample ID: 16F0682-09

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Soil

Collection Date/Time

June 15, 2016 2:45 pm

Date Received

06/17/2016

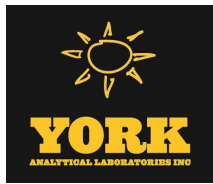
Semi-Volatiles, 8270 - Comprehensive

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
100-52-7	Benzaldehyde	ND		ug/kg dry	222	444	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/24/2016 14:27	SR
92-87-5	Benzidine	ND		ug/kg dry	888	1780	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	06/22/2016 07:34	06/24/2016 14:27	SR
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	222	444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/24/2016 14:27	SR
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	222	444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/24/2016 14:27	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	222	444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/24/2016 14:27	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	222	444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/24/2016 14:27	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	222	444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/24/2016 14:27	SR
65-85-0	Benzoic acid	ND		ug/kg dry	222	444	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/24/2016 14:27	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	222	444	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/24/2016 14:27	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	222	444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/24/2016 14:27	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	222	444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/24/2016 14:27	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	222	444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/24/2016 14:27	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	222	444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/24/2016 14:27	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	222	444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/24/2016 14:27	SR
105-60-2	Caprolactam	ND		ug/kg dry	444	886	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/24/2016 14:27	SR
86-74-8	Carbazole	ND		ug/kg dry	222	444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/24/2016 14:27	SR
218-01-9	Chrysene	ND		ug/kg dry	222	444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/24/2016 14:27	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	222	444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/24/2016 14:27	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	222	444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/24/2016 14:27	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	222	444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/24/2016 14:27	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	222	444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/24/2016 14:27	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	222	444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/24/2016 14:27	SR



Sample Information

Client Sample ID: SB-9

York Sample ID: 16F0682-09

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Soil

Collection Date/Time

June 15, 2016 2:45 pm

Date Received

06/17/2016

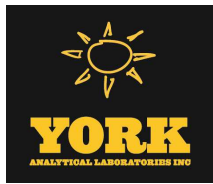
Semi-Volatiles, 8270 - Comprehensive

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
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	222	444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/24/2016 14:27	SR
206-44-0	Fluoranthene	ND		ug/kg dry	222	444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/24/2016 14:27	SR
86-73-7	Fluorene	ND		ug/kg dry	222	444	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/24/2016 14:27	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	222	444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/24/2016 14:27	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	222	444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/24/2016 14:27	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	222	444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/24/2016 14:27	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	222	444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/24/2016 14:27	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	222	444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/24/2016 14:27	SR
78-59-1	Isophorone	ND		ug/kg dry	222	444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/24/2016 14:27	SR
91-20-3	Naphthalene	ND		ug/kg dry	222	444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/24/2016 14:27	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	222	444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/24/2016 14:27	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	222	444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/24/2016 14:27	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	222	444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/24/2016 14:27	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	222	444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/24/2016 14:27	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	222	444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/24/2016 14:27	SR
85-01-8	Phenanthrene	ND		ug/kg dry	222	444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/24/2016 14:27	SR
108-95-2	Phenol	ND		ug/kg dry	222	444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/24/2016 14:27	SR
129-00-0	Pyrene	ND		ug/kg dry	222	444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/24/2016 14:27	SR
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: 2-Fluorophenol	%	S-01	20-108							
4165-62-2	Surrogate: Phenol-d5	4.12 %	S-01	23-114							
4165-60-0	Surrogate: Nitrobenzene-d5	1.20 %	S-01	22-108							
321-60-8	Surrogate: 2-Fluorobiphenyl	12.0 %	S-01	21-113							
118-79-6	Surrogate: 2,4,6-Tribromophenol	4.65 %	S-01	19-110							
1718-51-0	Surrogate: Terphenyl-d14	12.0 %	S-01	24-116							



Sample Information

Client Sample ID: SB-9

York Sample ID: 16F0682-09

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Soil

Collection Date/Time

June 15, 2016 2:45 pm

Date Received

06/17/2016

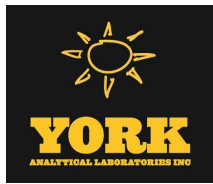
Metals, Target Analyte

Sample Prepared by Method: EPA 3050B

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	3810		mg/kg dry	5.32	5.32	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:49	KV
7440-36-0	Antimony	ND		mg/kg dry	0.532	0.532	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:49	KV
7440-38-2	Arsenic	ND		mg/kg dry	1.06	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:49	KV
7440-39-3	Barium	39.6		mg/kg dry	1.06	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:49	KV
7440-41-7	Beryllium	0.111		mg/kg dry	0.106	0.106	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:49	KV
7440-43-9	Cadmium	ND		mg/kg dry	0.319	0.319	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:49	KV
7440-70-2	Calcium	648		mg/kg dry	0.532	0.532	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:49	KV
7440-47-3	Chromium	8.05		mg/kg dry	0.532	0.532	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:49	KV
7440-48-4	Cobalt	4.63		mg/kg dry	0.532	0.532	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:49	KV
7440-50-8	Copper	8.32		mg/kg dry	0.532	0.532	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:49	KV
7439-89-6	Iron	15600		mg/kg dry	2.13	2.13	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:49	KV
7439-92-1	Lead	429		mg/kg dry	0.319	0.319	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:49	KV
7439-95-4	Magnesium	1130		mg/kg dry	5.32	5.32	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:49	KV
7439-96-5	Manganese	336		mg/kg dry	0.532	0.532	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:49	KV
7440-02-0	Nickel	9.29		mg/kg dry	0.532	0.532	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:49	KV
7440-09-7	Potassium	448		mg/kg dry	5.32	5.32	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:49	KV
7782-49-2	Selenium	ND		mg/kg dry	1.06	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:49	KV
7440-22-4	Silver	ND		mg/kg dry	0.532	0.532	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:49	KV
7440-23-5	Sodium	107		mg/kg dry	10.6	10.6	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/20/2016 11:44	06/20/2016 22:49	KV
7440-28-0	Thallium	ND		mg/kg dry	1.06	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:49	KV
7440-62-2	Vanadium	19.2		mg/kg dry	1.06	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:49	KV
7440-66-6	Zinc	46.7		mg/kg dry	1.06	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:49	KV



Sample Information

Client Sample ID: SB-9

York Sample ID: 16F0682-09

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Soil

Collection Date/Time

June 15, 2016 2:45 pm

Date Received

06/17/2016

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0319	0.0319	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	06/20/2016 06:21	06/20/2016 11:13	ALD

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	94.0		%	0.100	0.100	1	SM 2540G Certifications: CTDOH	06/20/2016 11:50	06/21/2016 14:07	LAB

Sample Information

Client Sample ID: SB-10

York Sample ID: 16F0682-10

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Soil

Collection Date/Time

June 16, 2016 11:30 am

Date Received

06/17/2016

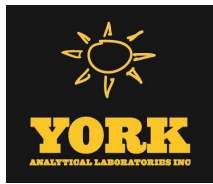
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to 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	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:41	06/22/2016 23:21	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:41	06/22/2016 23:21	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:41	06/22/2016 23:21	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:41	06/22/2016 23:21	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:41	06/22/2016 23:21	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:41	06/22/2016 23:21	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:41	06/22/2016 23:21	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:41	06/22/2016 23:21	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:41	06/22/2016 23:21	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:41	06/22/2016 23:21	SS



Sample Information

Client Sample ID: SB-10

York Sample ID: 16F0682-10

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Soil

Collection Date/Time

June 16, 2016 11:30 am

Date Received

06/17/2016

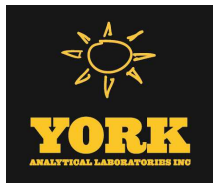
Volatile Organics, 8260 - Comprehensive

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
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:41	06/22/2016 23:21	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:41	06/22/2016 23:21	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:41	06/22/2016 23:21	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:41	06/22/2016 23:21	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:41	06/22/2016 23:21	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:41	06/22/2016 23:21	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:41	06/22/2016 23:21	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:41	06/22/2016 23:21	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:41	06/22/2016 23:21	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	49	99	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:41	06/22/2016 23:21	SS
78-93-3	2-Butanone	ND		ug/kg dry	2.5	9.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:41	06/22/2016 23:21	SS
591-78-6	2-Hexanone	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:41	06/22/2016 23:21	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:41	06/22/2016 23:21	SS
67-64-1	Acetone	ND		ug/kg dry	4.9	9.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:41	06/22/2016 23:21	SS
107-02-8	Acrolein	ND		ug/kg dry	4.9	9.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:41	06/22/2016 23:21	SS
107-13-1	Acrylonitrile	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:41	06/22/2016 23:21	SS
71-43-2	Benzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:41	06/22/2016 23:21	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:41	06/22/2016 23:21	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:41	06/22/2016 23:21	SS
75-25-2	Bromoform	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:41	06/22/2016 23:21	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:41	06/22/2016 23:21	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:41	06/22/2016 23:21	SS



Sample Information

Client Sample ID: SB-10

York Sample ID: 16F0682-10

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Soil

Collection Date/Time

June 16, 2016 11:30 am

Date Received

06/17/2016

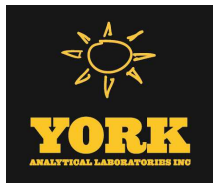
Volatile Organics, 8260 - Comprehensive

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
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:41	06/22/2016 23:21	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:41	06/22/2016 23:21	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:41	06/22/2016 23:21	SS
67-66-3	Chloroform	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:41	06/22/2016 23:21	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:41	06/22/2016 23:21	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:41	06/22/2016 23:21	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:41	06/22/2016 23:21	SS
110-82-7	Cyclohexane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:41	06/22/2016 23:21	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:41	06/22/2016 23:21	SS
74-95-3	Dibromomethane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:41	06/22/2016 23:21	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:41	06/22/2016 23:21	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:41	06/22/2016 23:21	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:41	06/22/2016 23:21	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:41	06/22/2016 23:21	SS
79-20-9	Methyl acetate	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:41	06/22/2016 23:21	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:41	06/22/2016 23:21	SS
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:41	06/22/2016 23:21	SS
75-09-2	Methylene chloride	ND		ug/kg dry	4.9	9.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:41	06/22/2016 23:21	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:41	06/22/2016 23:21	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:41	06/22/2016 23:21	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	06/22/2016 16:41	06/22/2016 23:21	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.9	9.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854	06/22/2016 16:41	06/22/2016 23:21	SS



Sample Information

Client Sample ID: SB-10

York Sample ID: 16F0682-10

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Soil

Collection Date/Time

June 16, 2016 11:30 am

Date Received

06/17/2016

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
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:41	06/22/2016 23:21	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:41	06/22/2016 23:21	SS
100-42-5	Styrene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:41	06/22/2016 23:21	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/22/2016 16:41	06/22/2016 23:21	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:41	06/22/2016 23:21	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:41	06/22/2016 23:21	SS
108-88-3	Toluene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:41	06/22/2016 23:21	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/22/2016 16:41	06/22/2016 23:21	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:41	06/22/2016 23:21	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:41	06/22/2016 23:21	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:41	06/22/2016 23:21	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.5	4.9	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:41	06/22/2016 23:21	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	7.4	15	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 16:41	06/22/2016 23:21	SS

Surrogate Recoveries

Result

Acceptance Range

17060-07-0	Surrogate: 1,2-Dichloroethane-d4	94.9 %	77-125
2037-26-5	Surrogate: Toluene-d8	103 %	85-120
460-00-4	Surrogate: p-Bromofluorobenzene	93.1 %	76-130

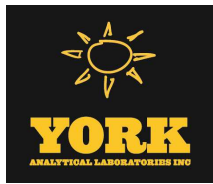
Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1'-Biphenyl	ND		ug/kg dry	43.3	86.4	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:53	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	86.4	173	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:53	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	43.3	86.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:53	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	43.3	86.4	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	06/22/2016 07:34	06/22/2016 14:53	KH



Sample Information

Client Sample ID: SB-10

York Sample ID: 16F0682-10

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Soil

Collection Date/Time

June 16, 2016 11:30 am

Date Received

06/17/2016

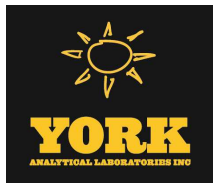
Semi-Volatiles, 8270 - Comprehensive

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
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	43.3	86.4	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:53	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	43.3	86.4	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	06/22/2016 07:34	06/22/2016 14:53	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	43.3	86.4	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	06/22/2016 07:34	06/22/2016 14:53	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	86.4	173	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:53	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	43.3	86.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:53	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	43.3	86.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:53	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	43.3	86.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:53	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	43.3	86.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:53	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	86.4	173	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:53	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	43.3	86.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:53	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	43.3	86.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:53	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	43.3	86.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:53	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	43.3	86.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:53	KH
91-57-6	2-Methylnaphthalene	129		ug/kg dry	43.3	86.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:53	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	43.3	86.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:53	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	86.4	173	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:53	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	43.3	86.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:53	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	43.3	86.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:53	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	43.3	86.4	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:53	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	86.4	173	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:53	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	86.4	173	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:53	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	43.3	86.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:53	KH



Sample Information

Client Sample ID: SB-10

York Sample ID: 16F0682-10

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Soil

Collection Date/Time

June 16, 2016 11:30 am

Date Received

06/17/2016

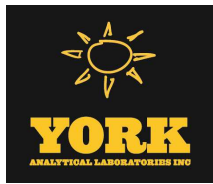
Semi-Volatiles, 8270 - Comprehensive

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
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	43.3	86.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:53	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	43.3	86.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:53	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	43.3	86.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:53	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	86.4	173	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:53	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	86.4	173	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:53	KH
83-32-9	Acenaphthene	ND		ug/kg dry	43.3	86.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:53	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	43.3	86.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:53	KH
98-86-2	Acetophenone	ND		ug/kg dry	43.3	86.4	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:53	KH
62-53-3	Aniline	ND		ug/kg dry	173	346	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:53	KH
120-12-7	Anthracene	ND		ug/kg dry	43.3	86.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:53	KH
1912-24-9	Atrazine	ND		ug/kg dry	43.3	86.4	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:53	KH
100-52-7	Benzaldehyde	ND		ug/kg dry	43.3	86.4	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:53	KH
92-87-5	Benzidine	ND		ug/kg dry	173	346	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	06/22/2016 07:34	06/22/2016 14:53	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	43.3	86.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:53	KH
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	43.3	86.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:53	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	43.3	86.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:53	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	43.3	86.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:53	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	43.3	86.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:53	KH
65-85-0	Benzoic acid	ND		ug/kg dry	43.3	86.4	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:53	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	43.3	86.4	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:53	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	43.3	86.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:53	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	43.3	86.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:53	KH



Sample Information

Client Sample ID: SB-10

York Sample ID: 16F0682-10

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Soil

Collection Date/Time

June 16, 2016 11:30 am

Date Received

06/17/2016

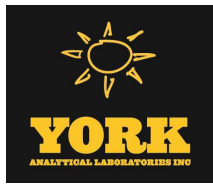
Semi-Volatiles, 8270 - Comprehensive

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
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	43.3	86.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:53	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	43.3	86.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:53	KH
117-81-7	Bis(2-ethylhexyl)phthalate	50.4	J, CCV-E	ug/kg dry	43.3	86.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:53	KH
105-60-2	Caprolactam	ND		ug/kg dry	86.4	173	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:53	KH
86-74-8	Carbazole	ND		ug/kg dry	43.3	86.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:53	KH
218-01-9	Chrysene	53.9	J, CCV-E	ug/kg dry	43.3	86.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:53	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	43.3	86.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:53	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	43.3	86.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:53	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	43.3	86.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:53	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	43.3	86.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:53	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	43.3	86.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:53	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	43.3	86.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:53	KH
206-44-0	Fluoranthene	ND		ug/kg dry	43.3	86.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:53	KH
86-73-7	Fluorene	ND		ug/kg dry	43.3	86.4	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:53	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	43.3	86.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:53	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	43.3	86.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:53	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	43.3	86.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:53	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	43.3	86.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:53	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	43.3	86.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:53	KH
78-59-1	Isophorone	ND		ug/kg dry	43.3	86.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:53	KH
91-20-3	Naphthalene	ND		ug/kg dry	43.3	86.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:53	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	43.3	86.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:53	KH



Sample Information

Client Sample ID: SB-10

York Sample ID: 16F0682-10

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Soil

Collection Date/Time

June 16, 2016 11:30 am

Date Received

06/17/2016

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
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	43.3	86.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:53	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	43.3	86.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:53	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	43.3	86.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:53	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	43.3	86.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:53	KH
85-01-8	Phenanthrene	100		ug/kg dry	43.3	86.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:53	KH
108-95-2	Phenol	ND		ug/kg dry	43.3	86.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:53	KH
129-00-0	Pyrene	73.2	J	ug/kg dry	43.3	86.4	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/22/2016 07:34	06/22/2016 14:53	KH
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: 2-Fluorophenol	65.4 %			20-108						
4165-62-2	Surrogate: Phenol-d5	73.0 %			23-114						
4165-60-0	Surrogate: Nitrobenzene-d5	78.0 %			22-108						
321-60-8	Surrogate: 2-Fluorobiphenyl	82.7 %			21-113						
118-79-6	Surrogate: 2,4,6-Tribromophenol	56.9 %			19-110						
1718-51-0	Surrogate: Terphenyl-d14	50.4 %			24-116						

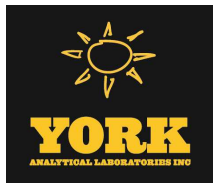
Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	4790		mg/kg dry	5.18	5.18	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:54	KV
7440-36-0	Antimony	ND		mg/kg dry	0.518	0.518	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:54	KV
7440-38-2	Arsenic	ND		mg/kg dry	1.04	1.04	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:54	KV
7440-39-3	Barium	28.2		mg/kg dry	1.04	1.04	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:54	KV
7440-41-7	Beryllium	ND		mg/kg dry	0.104	0.104	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:54	KV
7440-43-9	Cadmium	ND		mg/kg dry	0.311	0.311	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:54	KV
7440-70-2	Calcium	5640		mg/kg dry	0.518	5.18	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:54	KV
7440-47-3	Chromium	8.17		mg/kg dry	0.518	0.518	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:54	KV
7440-48-4	Cobalt	4.28		mg/kg dry	0.518	0.518	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:54	KV



Sample Information

Client Sample ID: SB-10

York Sample ID: 16F0682-10

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Soil

Collection Date/Time

June 16, 2016 11:30 am

Date Received

06/17/2016

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-50-8	Copper	9.41		mg/kg dry	0.518	0.518	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:54	KV
7439-89-6	Iron	16500		mg/kg dry	2.07	2.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:54	KV
7439-92-1	Lead	6.02		mg/kg dry	0.311	0.311	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:54	KV
7439-95-4	Magnesium	2220		mg/kg dry	5.18	5.18	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:54	KV
7439-96-5	Manganese	347		mg/kg dry	0.518	0.518	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:54	KV
7440-02-0	Nickel	7.60		mg/kg dry	0.518	0.518	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:54	KV
7440-09-7	Potassium	662		mg/kg dry	5.18	5.18	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:54	KV
7782-49-2	Selenium	ND		mg/kg dry	1.04	1.04	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:54	KV
7440-22-4	Silver	ND		mg/kg dry	0.518	0.518	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:54	KV
7440-23-5	Sodium	249		mg/kg dry	10.4	10.4	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/20/2016 11:44	06/20/2016 22:54	KV
7440-28-0	Thallium	ND		mg/kg dry	1.04	1.04	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:54	KV
7440-62-2	Vanadium	20.3		mg/kg dry	1.04	1.04	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:54	KV
7440-66-6	Zinc	17.4		mg/kg dry	1.04	1.04	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 11:44	06/20/2016 22:54	KV

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0311	0.0311	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	06/20/2016 06:21	06/20/2016 11:21	ALD

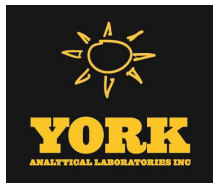
Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	96.5		%	0.100	0.100	1	SM 2540G Certifications: CTDOH	06/20/2016 11:50	06/21/2016 14:07	LAB



Sample Information

Client Sample ID: SB-1 GW

York Sample ID: 16F0682-11

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Water

Collection Date/Time

June 14, 2016 11:20 am

Date Received

06/17/2016

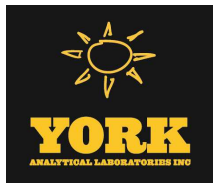
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:16	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:16	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:16	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:16	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:16	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:16	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:16	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:16	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:16	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:16	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:16	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:16	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:16	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:16	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:16	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:16	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:16	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:16	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:16	SS
123-91-1	1,4-Dioxane	ND		ug/L	40	80	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:16	SS
78-93-3	2-Butanone	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:16	SS



Sample Information

Client Sample ID: SB-1 GW

York Sample ID: 16F0682-11

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Water

Collection Date/Time

June 14, 2016 11:20 am

Date Received

06/17/2016

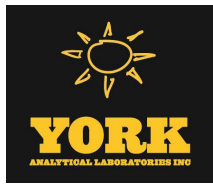
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:16	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:16	SS
67-64-1	Acetone	2.1	SCAL- E, B	ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:16	SS
107-02-8	Acrolein	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:16	SS
107-13-1	Acrylonitrile	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:16	SS
71-43-2	Benzene	0.93		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:16	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:16	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:16	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:16	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:16	SS
75-15-0	Carbon disulfide	0.25	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:16	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:16	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:16	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:16	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:16	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:16	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:16	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:16	SS
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:16	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:16	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:16	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:16	SS



Sample Information

Client Sample ID: SB-1 GW

York Sample ID: 16F0682-11

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Water

Collection Date/Time

June 14, 2016 11:20 am

Date Received

06/17/2016

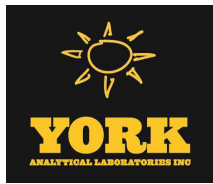
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:16	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:16	SS
98-82-8	Isopropylbenzene	0.24	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:16	SS
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:16	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:16	SS
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:16	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:16	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:16	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:16	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	06/23/2016 17:28	06/24/2016 01:16	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	06/23/2016 17:28	06/24/2016 01:16	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:16	SS
135-98-8	sec-Butylbenzene	0.21	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:16	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:16	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	2.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:16	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:16	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:16	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:16	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:16	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:16	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:16	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:16	SS



Sample Information

Client Sample ID: SB-1 GW

York Sample ID: 16F0682-11

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Water

Collection Date/Time

June 14, 2016 11:20 am

Date Received

06/17/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:16	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	06/23/2016 17:28	06/24/2016 01:16	SS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	104 %			69-130						
2037-26-5	Surrogate: Toluene-d8	97.6 %			81-117						
460-00-4	Surrogate: p-Bromofluorobenzene	104 %			79-122						

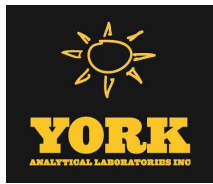
Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1'-Biphenyl	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:29	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:29	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:29	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:29	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:29	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:29	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:29	SR
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:29	SR
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:29	SR
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:29	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:29	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	06/20/2016 06:18	06/20/2016 15:29	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:29	SR
91-58-7	2-Chloronaphthalene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:29	SR
95-57-8	2-Chlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:29	SR



Sample Information

Client Sample ID: SB-1 GW

York Sample ID: 16F0682-11

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Water

Collection Date/Time

June 14, 2016 11:20 am

Date Received

06/17/2016

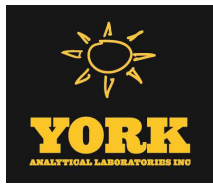
Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-57-6	2-Methylnaphthalene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:29	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	06/20/2016 06:18	06/20/2016 15:29	SR
95-48-7	2-Methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:29	SR
88-74-4	2-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:29	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	06/20/2016 06:18	06/20/2016 15:29	SR
88-75-5	2-Nitrophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:29	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:29	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:29	SR
99-09-2	3-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:29	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:29	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:29	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:29	SR
106-47-8	4-Chloroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:29	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:29	SR
100-01-6	4-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:29	SR
100-02-7	4-Nitrophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:29	SR
83-32-9	Acenaphthene	0.144		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:24	SR
208-96-8	Acenaphthylene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:24	SR
98-86-2	Acetophenone	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:29	SR
62-53-3	Aniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:29	SR
120-12-7	Anthracene	0.144		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:24	SR
1912-24-9	Atrazine	ND		ug/L	0.513	0.513	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:24	SR



Sample Information

Client Sample ID: SB-1 GW

York Sample ID: 16F0682-11

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Water

Collection Date/Time

June 14, 2016 11:20 am

Date Received

06/17/2016

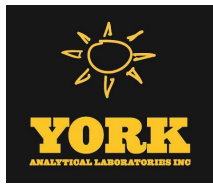
Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-52-7	Benzaldehyde	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:29	SR
92-87-5	Benzidine	ND		ug/L	10.3	20.5	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:29	SR
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:24	SR
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:24	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:24	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:24	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:24	SR
65-85-0	Benzoic acid	ND		ug/L	25.6	51.3	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:29	SR
100-51-6	Benzyl alcohol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:29	SR
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:29	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:29	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:29	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:29	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.513	0.513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:24	SR
105-60-2	Caprolactam	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:29	SR
86-74-8	Carbazole	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:29	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.513	0.513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:24	SR
218-01-9	Chrysene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:24	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:24	SR
132-64-9	Dibenzofuran	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:29	SR
84-66-2	Diethyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:29	SR
131-11-3	Dimethyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:29	SR



Sample Information

Client Sample ID: SB-1 GW

York Sample ID: 16F0682-11

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Water

Collection Date/Time

June 14, 2016 11:20 am

Date Received

06/17/2016

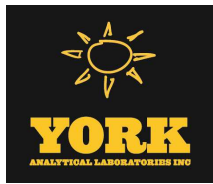
Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:29	SR
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:29	SR
91-20-3	Naphthalene	0.154		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:24	SR
206-44-0	Fluoranthene	0.0615		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:24	SR
86-73-7	Fluorene	0.318		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:24	SR
118-74-1	Hexachlorobenzene	ND		ug/L	0.0205	0.0205	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:24	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:29	SR
67-72-1	Hexachloroethane	ND		ug/L	0.513	0.513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:24	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:24	SR
78-59-1	Isophorone	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:29	SR
98-95-3	Nitrobenzene	ND		ug/L	0.256	0.256	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:24	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.513	0.513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:24	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:29	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:29	SR
87-86-5	Pentachlorophenol	ND		ug/L	0.256	0.256	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:24	SR
85-01-8	Phenanthrene	0.103		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:24	SR
108-95-2	Phenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:29	SR
129-00-0	Pyrene	0.144		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:24	SR
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: 2-Fluorophenol	29.1 %									
4165-62-2	Surrogate: Phenol-d5	16.3 %									
4165-60-0	Surrogate: Nitrobenzene-d5	57.8 %									
321-60-8	Surrogate: 2-Fluorobiphenyl	63.1 %									
118-79-6	Surrogate: 2,4,6-Tribromophenol	105 %	S-08								
1718-51-0	Surrogate: Terphenyl-d14	61.6 %									



Sample Information

Client Sample ID: SB-5 GW

York Sample ID: 16F0682-12

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Water

Collection Date/Time

June 14, 2016 2:55 pm

Date Received

06/17/2016

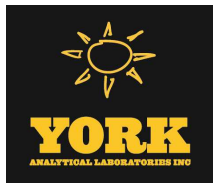
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:42	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:42	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:42	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:42	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:42	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:42	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:42	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:42	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:42	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:42	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:42	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:42	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:42	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:42	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:42	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:42	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:42	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:42	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:42	SS
123-91-1	1,4-Dioxane	ND		ug/L	40	80	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:42	SS
78-93-3	2-Butanone	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:42	SS



Sample Information

Client Sample ID: SB-5 GW

York Sample ID: 16F0682-12

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Water

Collection Date/Time

June 14, 2016 2:55 pm

Date Received

06/17/2016

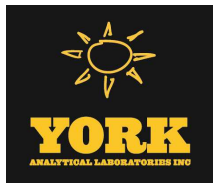
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:42	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:42	SS
67-64-1	Acetone	2.2	SCAL- E, B	ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:42	SS
107-02-8	Acrolein	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:42	SS
107-13-1	Acrylonitrile	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:42	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:42	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:42	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:42	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:42	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:42	SS
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:42	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:42	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:42	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:42	SS
67-66-3	Chloroform	19		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:42	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:42	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:42	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:42	SS
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:42	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:42	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:42	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:42	SS



Sample Information

Client Sample ID: SB-5 GW

York Sample ID: 16F0682-12

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Water

Collection Date/Time

June 14, 2016 2:55 pm

Date Received

06/17/2016

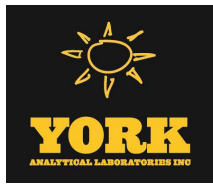
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:42	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:42	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:42	SS
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:42	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:42	SS
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:42	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:42	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:42	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:42	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	06/23/2016 17:28	06/24/2016 01:42	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	06/23/2016 17:28	06/24/2016 01:42	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:42	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:42	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:42	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	2.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:42	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:42	SS
127-18-4	Tetrachloroethylene	0.48	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:42	SS
108-88-3	Toluene	0.34	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:42	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:42	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:42	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:42	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:42	SS



Sample Information

Client Sample ID: SB-5 GW

York Sample ID: 16F0682-12

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Water

Collection Date/Time

June 14, 2016 2:55 pm

Date Received

06/17/2016

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 01:42	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	06/23/2016 17:28	06/24/2016 01:42	SS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	102 %			69-130						
2037-26-5	Surrogate: Toluene-d8	97.7 %			81-117						
460-00-4	Surrogate: p-Bromofluorobenzene	103 %			79-122						

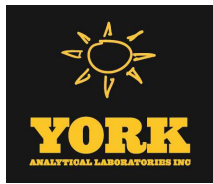
Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1'-Biphenyl	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 16:02	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 16:02	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 16:02	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 16:02	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 16:02	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 16:02	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 16:02	SR
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 16:02	SR
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 16:02	SR
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 16:02	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 16:02	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	06/20/2016 06:18	06/20/2016 16:02	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 16:02	SR
91-58-7	2-Chloronaphthalene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 16:02	SR
95-57-8	2-Chlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 16:02	SR



Sample Information

Client Sample ID: SB-5 GW

York Sample ID: 16F0682-12

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Water

Collection Date/Time

June 14, 2016 2:55 pm

Date Received

06/17/2016

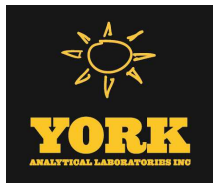
Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-57-6	2-Methylnaphthalene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 16:02	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	06/20/2016 06:18	06/20/2016 16:02	SR
95-48-7	2-Methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 16:02	SR
88-74-4	2-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 16:02	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	06/20/2016 06:18	06/20/2016 16:02	SR
88-75-5	2-Nitrophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 16:02	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 16:02	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 16:02	SR
99-09-2	3-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 16:02	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 16:02	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 16:02	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 16:02	SR
106-47-8	4-Chloroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 16:02	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 16:02	SR
100-01-6	4-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 16:02	SR
100-02-7	4-Nitrophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 16:02	SR
83-32-9	Acenaphthene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:55	SR
208-96-8	Acenaphthylene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:55	SR
98-86-2	Acetophenone	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 16:02	SR
62-53-3	Aniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 16:02	SR
120-12-7	Anthracene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:55	SR
1912-24-9	Atrazine	ND		ug/L	0.513	0.513	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:55	SR



Sample Information

Client Sample ID: SB-5 GW

York Sample ID: 16F0682-12

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Water

Collection Date/Time

June 14, 2016 2:55 pm

Date Received

06/17/2016

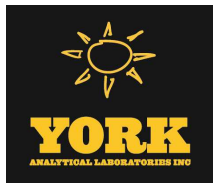
Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-52-7	Benzaldehyde	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 16:02	SR
92-87-5	Benzidine	ND		ug/L	10.3	20.5	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 16:02	SR
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:55	SR
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:55	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:55	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:55	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:55	SR
65-85-0	Benzoic acid	ND		ug/L	25.6	51.3	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 16:02	SR
100-51-6	Benzyl alcohol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 16:02	SR
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 16:02	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 16:02	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 16:02	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 16:02	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.513	0.513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:55	SR
105-60-2	Caprolactam	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 16:02	SR
86-74-8	Carbazole	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 16:02	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.513	0.513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:55	SR
218-01-9	Chrysene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:55	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:55	SR
132-64-9	Dibenzofuran	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 16:02	SR
84-66-2	Diethyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 16:02	SR
131-11-3	Dimethyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 16:02	SR



Sample Information

Client Sample ID: SB-5 GW

York Sample ID: 16F0682-12

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Water

Collection Date/Time

June 14, 2016 2:55 pm

Date Received

06/17/2016

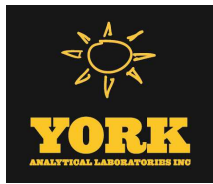
Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 16:02	SR
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 16:02	SR
91-20-3	Naphthalene	0.164		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:55	SR
206-44-0	Fluoranthene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:55	SR
86-73-7	Fluorene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:55	SR
118-74-1	Hexachlorobenzene	ND		ug/L	0.0205	0.0205	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:55	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 16:02	SR
67-72-1	Hexachloroethane	ND		ug/L	0.513	0.513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:55	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:55	SR
78-59-1	Isophorone	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 16:02	SR
98-95-3	Nitrobenzene	ND		ug/L	0.256	0.256	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:55	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.513	0.513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:55	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 16:02	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 16:02	SR
87-86-5	Pentachlorophenol	ND		ug/L	0.256	0.256	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:55	SR
85-01-8	Phenanthrene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:55	SR
108-95-2	Phenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 16:02	SR
129-00-0	Pyrene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/20/2016 06:18	06/20/2016 15:55	SR
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	27.7 %	12-64								
4165-62-2	Surrogate: Phenol-d5	16.3 %	10-82								
4165-60-0	Surrogate: Nitrobenzene-d5	61.6 %	12-96								
321-60-8	Surrogate: 2-Fluorobiphenyl	59.5 %	16-84								
118-79-6	Surrogate: 2,4,6-Tribromophenol	77.3 %	15-104								
1718-51-0	Surrogate: Terphenyl-d14	60.3 %	15-106								



Sample Information

Client Sample ID: SB-5 GW

York Sample ID: 16F0682-12

<u>York Project (SDG) No.</u> 16F0682	<u>Client Project ID</u> 161280	<u>Matrix</u> Water	<u>Collection Date/Time</u> June 14, 2016 2:55 pm	<u>Date Received</u> 06/17/2016
--	------------------------------------	------------------------	--	------------------------------------

Sample Information

Client Sample ID: TB01

York Sample ID: 16F0682-13

<u>York Project (SDG) No.</u> 16F0682	<u>Client Project ID</u> 161280	<u>Matrix</u> Water	<u>Collection Date/Time</u> June 16, 2016 3:00 pm	<u>Date Received</u> 06/17/2016
--	------------------------------------	------------------------	--	------------------------------------

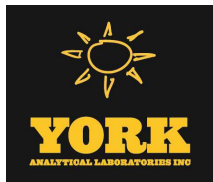
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 02:08	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 02:08	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 02:08	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 02:08	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 02:08	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 02:08	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 02:08	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 02:08	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 02:08	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 02:08	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 02:08	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 02:08	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 02:08	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 02:08	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 02:08	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 02:08	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 02:08	SS



Sample Information

Client Sample ID: TB01

York Sample ID: 16F0682-13

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Water

Collection Date/Time

June 16, 2016 3:00 pm

Date Received

06/17/2016

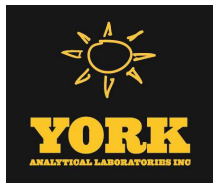
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 02:08	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 02:08	SS
123-91-1	1,4-Dioxane	ND		ug/L	40	80	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 02:08	SS
78-93-3	2-Butanone	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 02:08	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 02:08	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 02:08	SS
67-64-1	Acetone	2.3	SCAL- E, B	ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 02:08	SS
107-02-8	Acrolein	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 02:08	SS
107-13-1	Acrylonitrile	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 02:08	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 02:08	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 02:08	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 02:08	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 02:08	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 02:08	SS
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 02:08	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 02:08	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 02:08	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 02:08	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 02:08	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 02:08	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 02:08	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 02:08	SS



Sample Information

Client Sample ID: TB01

York Sample ID: 16F0682-13

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Water

Collection Date/Time

June 16, 2016 3:00 pm

Date Received

06/17/2016

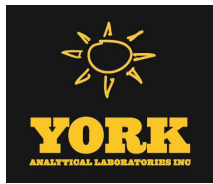
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 02:08	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 02:08	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 02:08	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 02:08	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 02:08	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 02:08	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 02:08	SS
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 02:08	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 02:08	SS
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 02:08	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 02:08	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 02:08	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 02:08	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	06/23/2016 17:28	06/24/2016 02:08	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	06/23/2016 17:28	06/24/2016 02:08	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 02:08	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 02:08	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 02:08	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	2.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 02:08	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 02:08	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 02:08	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 02:08	SS



Sample Information

Client Sample ID: TB01

York Sample ID: 16F0682-13

York Project (SDG) No.

16F0682

Client Project ID

161280

Matrix

Water

Collection Date/Time

June 16, 2016 3:00 pm

Date Received

06/17/2016

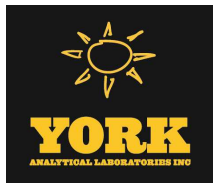
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

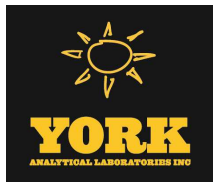
CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 02:08	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 02:08	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 02:08	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 02:08	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/23/2016 17:28	06/24/2016 02:08	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	06/23/2016 17:28	06/24/2016 02:08	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	105 %	69-130								
2037-26-5	Surrogate: Toluene-d8	97.4 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	102 %	79-122								



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
16F0682-01	SB-1	40mL Vial with Stir Bar-Cool 4° C
16F0682-02	SB-2	40mL Vial with Stir Bar-Cool 4° C
16F0682-03	SB-4	40mL Vial with Stir Bar-Cool 4° C
16F0682-04	SB-5	40mL Vial with Stir Bar-Cool 4° C
16F0682-05	SB-6	40mL Vial with Stir Bar-Cool 4° C
16F0682-06	SB-7	40mL Vial with Stir Bar-Cool 4° C
16F0682-07	SB-8	40mL Vial with Stir Bar-Cool 4° C
16F0682-08	SB-8.2	40mL Vial with Stir Bar-Cool 4° C
16F0682-09	SB-9	40mL Vial with Stir Bar-Cool 4° C
16F0682-10	SB-10	40mL Vial with Stir Bar-Cool 4° C
16F0682-11	SB-1 GW	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
16F0682-12	SB-5 GW	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
16F0682-13	TB01	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

DRAFT



Notes and Definitions

SCAL-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%).
S-08	The recovery of this surrogate was outside of QC limits.
S-01	The surrogate recovery for this sample may not be available due to sample dilution required from high analyte concentration and/or matrix interferences.
QR-04	The RPD exceeded control limits for the LCS/LCSD QC.
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.
QCAL	This analyte is outside calibration QC limits due to the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
IS-LO	The internal std associated with this target compound did not meet acceptance criteria (area <50% CCV) at the stated dilution due to matrix effects. Sample was rerun to confirm matrix effects.
IS-06	Internal standard perylene-d12 did not meet acceptance criteria. The sample was reanalyzed to confirm matrix interference. Compounds affected are: Benzo(g,h,i)perylene, Dibenzo(a,h)anthracene and Indeno(1,2,3-cd)pyrene.
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.

*	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.

DRAFT



YORK
ANALYTICAL LABORATORIES INC

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

Field Chain-of-Custody Record

Page 1 of 2

York Project No. 16F0682

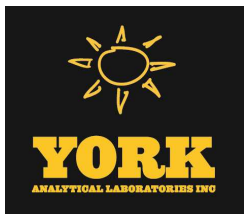
NOTE: York's Std. Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions.

YOUR Information		Report To:		Invoice To:		YOUR Project ID		Turn-Around Time		Report Type																	
Company: <u>EBS</u>	Company: <u>SAVE</u>	Company: <u>SAVE</u>	Company: <u>SAVE</u>	YOUR Project ID: <u>161280</u>	Turn-Around Time: ☐ RUSH - Same Day ☐ RUSH - Next Day ☐ RUSH - Two Day ☐ RUSH - Three Day ☐ RUSH - Four Day	Report Type: ☐ Summary Report ☐ Summary w/ QA Summary ☐ CT RCP Package ☐ CTRCP DQA/DUE Pkg ☐ NY ASP A Package ☐ NY ASP B Package ☐ NUDEP Red. Deliv.																					
Address: <u>494 8th Ave</u>	Address: <u>SAVE</u>	Address: <u>SAVE</u>	Address: <u>SAVE</u>	Purchase Order No. <u>161280</u>	Standard (5-7 Days) ☒	Electronic Data Deliverables (EDD) ☐																					
Phone No. <u>516 987 0357</u>	Phone No. <u>SAVE</u>	Phone No. <u>SAVE</u>	Phone No. <u>SAVE</u>			Simple Excel ☐																					
Contact Person: <u>John Mascioli</u>	Attention: <u>SAVE</u>	Attention: <u>SAVE</u>	Attention: <u>SAVE</u>			NY SDEC EQuIS ☐																					
E-Mail Address: <u>jmascioli@ebslkg.com</u>	E-Mail Address: <u>SAVE</u>	E-Mail Address: <u>SAVE</u>	E-Mail Address: <u>SAVE</u>			EQuIS (std) ☐																					
Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.				Matrix Codes S - soil Other - specify (oil, etc.) WW - wastewater GW - groundwater DW - drinking water Air-A - ambient air Air-SV - soil vapor				Volatiles 8260 full 624 STARS list BTEX MTBE TCL list TAGM list CT RCP list Arom. only Halog. only App. IX list 8021B list				Semi-Vols. Perchlorate 8270 or 625 STARS list BN Only Acids Only PAH list TAGM list CT RCP list TCL list NUDEP list App. IX TCLP BNA SPL or TCLP				Metals RCRA8 PP13 list TAL CT15 list TAGM list NUDEP list Total Dissolved SPL or TCLP Inerts, Metals LIST Below Helium				Misc. Org. TPH GRO TPH DRO CT ETPH NY 310-13 TPH 1664 Air TO14A Air TO15 Air STARS Air VPH Air TICs Methane Silica				Misc. Corrosivity Reactivity Ignitability Flash Point Sieve Anal. Heterotrophs TOX BTU/lb. Aquatic Tox. NYC DEP Sewer NY SDEC Sewer Asbestos TAGM			
Samples Collected/Authorized By (Signature) _____ Name (printed) _____												Choose Analyses Needed from the Menu Above and Enter Below															
Sample Identification		Date/Time Sampled		Sample Matrix		<u>Tec Vocs, Pcc Svocs, 7 AC metals</u>																					
<u>SB-1</u>		<u>6/19 10:35</u>		<u>S</u>																							
<u>SB-2</u>		<u>11 11:50</u>		<u>S</u>																							
<u>SB-4</u>		<u>11 12:10</u>		<u>S</u>																							
<u>SB-5</u>		<u>11 14:20</u>		<u>S</u>																							
<u>SB-6</u>		<u>6/15 10:45</u>		<u>S</u>																							
<u>SB-7</u>		<u>11:35</u>		<u>S</u>																							
<u>SB-8</u>		<u>12:00</u>		<u>S</u>																							
<u>SB-8.2</u>		<u>13:05</u>		<u>S</u>																							
<u>SB-9</u>		<u>17:45</u>		<u>S</u>																							
<u>SB-10</u>		<u>6/16 11:30</u>		<u>S</u>																							
Comments												Preservation Check those Applicable Special Instructions Field Filtered ☐ Lab to Filter ☐															
4°C ☒ Frozen ☒ HCl ☒ MeOH ☒ HNO₃ ☒ H₂SO₄ ☒ NaOH ☒ Other ☐												Temperature on Receipt <u>38</u> °C															
Samples Relinquished By <u>2BS</u> Date/Time <u>6-17-16 9:30</u>												Samples Received By <u>Wade</u> Date/Time <u>6-17-16 9:30</u>															
Samples Relinquished By _____ Date/Time _____												Samples Received in LAB by _____ Date/Time _____															



York Project No. 16 F0682

YOUR INFORMATION		Report To:		Invoice To:		YOUR PROJECT ID		Turn-Around Time		Report Type			
Company: <u>EB5</u> Address: _____ Phone No. _____ Contact Person: _____ E-Mail Address: _____		Company: <u>EB5</u> Address: _____ Phone No. _____ Attention: _____ E-Mail Address: _____		Company: <u>EB5</u> Address: _____ Phone No. _____ Attention: _____ E-Mail Address: _____		<u>161280</u> Purchase Order No. _____		☐ RUSH - Same Day ☐ RUSH - Next Day ☐ RUSH - Two Day ☐ RUSH - Three Day ☐ RUSH - Four Day Standard (5-7 Days) ☒		Summary Report _____ Summary w/ QA Summary _____ CT RCP Package _____ CTRCP DQA/DUE Pkg _____ NY ASP A Package _____ NY ASP B Package _____ NUDEP Red. Deliv. _____ Electronic Data Deliverables (EDD) _____			
Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.		Matrix Codes S - soil Other - specify (oil, etc.) WW - wastewater GW - groundwater DW - drinking water Air-A - ambient air Air-SV - soil vapor		Volatiles TICs Site Spec. STARS list BTEX MTBE TCL list TAGM list CT RCP list Arom. only Halog only App. IX list 8021B list		Semi-Vols. Pest/PCB/Herb 8270 or 625 STARS list BN Only Acids Only PAH list TAGM list CT RCP list TCL list Arom. only Halog only App. IX list SPL or TCLP		Metals RCRA8 PF13 list TAL CT15 list TAGM list NIDEP list Total Dissolved SPL or TCLP Inerts, Metals LIST Below		Full Lists Pri. Poll. TCL DRO CT ETPH TAL MetCN Full TCLP Full App. IX TPH 1664 Air TO14A Air TO15 Air STARS Air VPH Air TICs Methane Helium TAGM Silica		Misc. Corrosivity Reactivity Ignitability Flash Point Sieve Anal. Heterotrophs BTU/lb. Part 360-Baseline Part 360-Baseline Part 360-Baseline NYDEP Sewer NYDEP Sewer Asbestos	
Name (printed) <u>John Masciullo</u>		Date/Time Sampled <u>6-14 11:20</u> <u>6-14 14:55</u>		Sample Matrix <u>GW</u> <u>GW</u>		Choose Analyses Needed from the Menu Above and Enter Below <u>TCL VOCs, TCL SVOCs</u> <u>" "</u>							
Comments Preservation Check those Applicable Special Instructions Field Filtered ☐ Lab to Filter ☐		4°C _____ Frozen ☒ HCl _____ MeOH _____ ZnAc _____ Ascorbic Acid _____ Other _____		Samples Relinquished By <u>John Masciullo</u>		Date/Time <u>6-17-16 16:37</u>		Samples Received in LAB by <u>John Masciullo</u>		Date/Time <u>6-17-16 16:37</u>			
										Temperature on Receipt <u>3.8 °C</u>			



Technical Report

prepared for:

Environmental Building Solutions, LLC

494 Eighth Avenue, Suite 1403

New York NY, 10001

Attention: John Mascioli

Report Date: 06/24/2016

Client Project ID: 161280

York Project (SDG) No.: 16F0665

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 06/24/2016
Client Project ID: 161280
York Project (SDG) No.: 16F0665

Environmental Building Solutions, LLC
494 Eighth Avenue, Suite 1403
New York NY, 10001
Attention: John Mascioli

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 17, 2016 and listed below. The project was identified as your project: **161280**.

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 Notes 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 attachment to this report, and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
16F0665-01	AA-01	Indoor Ambient Air	06/16/2016	06/17/2016
16F0665-02	SV-01	Soil Vapor	06/16/2016	06/17/2016
16F0665-03	SV-02	Soil Vapor	06/16/2016	06/17/2016

General Notes for York Project (SDG) No.: 16F0665

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 samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

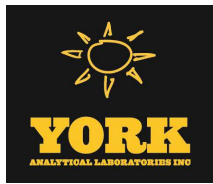
Approved By:



Benjamin Gulizia
Laboratory Director

Date: 06/24/2016





Sample Information

Client Sample ID: AA-01

York Sample ID: 16F0665-01

York Project (SDG) No.

16F0665

Client Project ID

161280

Matrix

Indoor Ambient Air

Collection Date/Time

June 16, 2016 3:00 pm

Date Received

06/17/2016

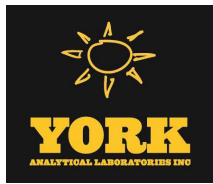
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	0.71	0.71	1.038	EPA TO-15 Certifications:	06/20/2016 12:43	06/20/2016 15:05	LDS
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.57	0.57	1.038	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 15:05	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	0.71	0.71	1.038	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 15:05	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	0.80	0.80	1.038	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 15:05	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.57	0.57	1.038	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 15:05	LDS
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.42	0.42	1.038	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 15:05	LDS
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.41	0.41	1.038	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 15:05	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	0.77	0.77	1.038	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 15:05	LDS
95-63-6	1,2,4-Trimethylbenzene	6.1		ug/m ³	0.51	0.51	1.038	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 15:05	LDS
106-93-4	1,2-Dibromoethane	ND		ug/m ³	0.80	0.80	1.038	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 15:05	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.62	0.62	1.038	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 15:05	LDS
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.42	0.42	1.038	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 15:05	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.48	0.48	1.038	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 15:05	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	0.73	0.73	1.038	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 15:05	LDS
108-67-8	1,3,5-Trimethylbenzene	1.6		ug/m ³	0.51	0.51	1.038	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 15:05	LDS
106-99-0	1,3-Butadiene	1.8		ug/m ³	0.69	0.69	1.038	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 15:05	LDS
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.62	0.62	1.038	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 15:05	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.48	0.48	1.038	EPA TO-15 Certifications:	06/20/2016 12:43	06/20/2016 15:05	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.62	0.62	1.038	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 15:05	LDS
123-91-1	1,4-Dioxane	ND		ug/m ³	0.75	0.75	1.038	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 15:05	LDS
78-93-3	2-Butanone	11		ug/m ³	0.31	0.31	1.038	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 15:05	LDS



Sample Information

Client Sample ID: AA-01

York Sample ID: 16F0665-01

York Project (SDG) No.

16F0665

Client Project ID

161280

Matrix

Indoor Ambient Air

Collection Date/Time

June 16, 2016 3:00 pm

Date Received

06/17/2016

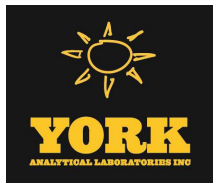
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	* 2-Hexanone	ND		ug/m ³	0.85	0.85	1.038	EPA TO-15 Certifications:	06/20/2016 12:43	06/20/2016 15:05	LDS
107-05-1	3-Chloropropene	ND		ug/m ³	1.6	1.6	1.038	EPA TO-15 Certifications:	06/20/2016 12:43	06/20/2016 15:05	LDS
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.43	0.43	1.038	EPA TO-15 Certifications:	06/20/2016 12:43	06/20/2016 15:05	LDS
67-64-1	Acetone	16		ug/m ³	0.49	0.49	1.038	EPA TO-15 Certifications:	06/20/2016 12:43	06/20/2016 15:05	LDS
107-13-1	Acrylonitrile	ND		ug/m ³	0.23	0.23	1.038	EPA TO-15 Certifications:	06/20/2016 12:43	06/20/2016 15:05	LDS
71-43-2	Benzene	5.6		ug/m ³	0.33	0.33	1.038	EPA TO-15 Certifications:	06/20/2016 12:43	06/20/2016 15:05	LDS
100-44-7	Benzyl chloride	ND		ug/m ³	0.54	0.54	1.038	EPA TO-15 Certifications:	06/20/2016 12:43	06/20/2016 15:05	LDS
75-27-4	Bromodichloromethane	ND		ug/m ³	0.70	0.70	1.038	EPA TO-15 Certifications:	06/20/2016 12:43	06/20/2016 15:05	LDS
75-25-2	Bromoform	ND		ug/m ³	1.1	1.1	1.038	EPA TO-15 Certifications:	06/20/2016 12:43	06/20/2016 15:05	LDS
74-83-9	Bromomethane	ND		ug/m ³	0.40	0.40	1.038	EPA TO-15 Certifications:	06/20/2016 12:43	06/20/2016 15:05	LDS
75-15-0	Carbon disulfide	0.48		ug/m ³	0.32	0.32	1.038	EPA TO-15 Certifications:	06/20/2016 12:43	06/20/2016 15:05	LDS
56-23-5	Carbon tetrachloride	ND		ug/m ³	0.16	0.16	1.038	EPA TO-15 Certifications:	06/20/2016 12:43	06/20/2016 15:05	LDS
108-90-7	Chlorobenzene	ND		ug/m ³	0.48	0.48	1.038	EPA TO-15 Certifications:	06/20/2016 12:43	06/20/2016 15:05	LDS
75-00-3	Chloroethane	ND		ug/m ³	0.27	0.27	1.038	EPA TO-15 Certifications:	06/20/2016 12:43	06/20/2016 15:05	LDS
67-66-3	Chloroform	ND		ug/m ³	0.51	0.51	1.038	EPA TO-15 Certifications:	06/20/2016 12:43	06/20/2016 15:05	LDS
74-87-3	Chloromethane	2.3		ug/m ³	0.21	0.21	1.038	EPA TO-15 Certifications:	06/20/2016 12:43	06/20/2016 15:05	LDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.41	0.41	1.038	EPA TO-15 Certifications:	06/20/2016 12:43	06/20/2016 15:05	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.47	0.47	1.038	EPA TO-15 Certifications:	06/20/2016 12:43	06/20/2016 15:05	LDS
110-82-7	Cyclohexane	3.4		ug/m ³	0.36	0.36	1.038	EPA TO-15 Certifications:	06/20/2016 12:43	06/20/2016 15:05	LDS
124-48-1	Dibromochloromethane	ND		ug/m ³	0.88	0.88	1.038	EPA TO-15 Certifications:	06/20/2016 12:43	06/20/2016 15:05	LDS
75-71-8	Dichlorodifluoromethane	2.4		ug/m ³	0.51	0.51	1.038	EPA TO-15 Certifications:	06/20/2016 12:43	06/20/2016 15:05	LDS
141-78-6	* Ethyl acetate	4.4		ug/m ³	0.75	0.75	1.038	EPA TO-15 Certifications:	06/20/2016 12:43	06/20/2016 15:05	LDS



Sample Information

Client Sample ID: AA-01

York Sample ID: 16F0665-01

York Project (SDG) No.

16F0665

Client Project ID

161280

Matrix

Indoor Ambient Air

Collection Date/Time

June 16, 2016 3:00 pm

Date Received

06/17/2016

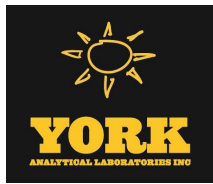
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	6.5		ug/m ³	0.45	0.45	1.038	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 15:05	LDS
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.1	1.1	1.038	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 15:05	LDS
67-63-0	Isopropanol	8.0		ug/m ³	0.51	0.51	1.038	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 15:05	LDS
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.42	0.42	1.038	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 15:05	LDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.37	0.37	1.038	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 15:05	LDS
75-09-2	Methylene chloride	6.0		ug/m ³	0.72	0.72	1.038	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 15:05	LDS
142-82-5	n-Heptane	5.7		ug/m ³	0.43	0.43	1.038	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 15:05	LDS
110-54-3	n-Hexane	17		ug/m ³	0.37	0.37	1.038	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 15:05	LDS
95-47-6	o-Xylene	7.8		ug/m ³	0.45	0.45	1.038	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 15:05	LDS
179601-23-1	p- & m- Xylenes	25		ug/m ³	0.90	0.90	1.038	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 15:05	LDS
622-96-8	* p-Ethyltoluene	5.7		ug/m ³	0.51	0.51	1.038	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 15:05	LDS
115-07-1	* Propylene	4.7		ug/m ³	0.18	0.18	1.038	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 15:05	LDS
100-42-5	Styrene	ND		ug/m ³	0.44	0.44	1.038	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 15:05	LDS
127-18-4	Tetrachloroethylene	2.0		ug/m ³	0.18	0.18	1.038	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 15:05	LDS
109-99-9	* Tetrahydrofuran	14		ug/m ³	0.61	0.61	1.038	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 15:05	LDS
108-88-3	Toluene	26		ug/m ³	0.39	0.39	1.038	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 15:05	LDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.41	0.41	1.038	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 15:05	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.47	0.47	1.038	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 15:05	LDS
79-01-6	Trichloroethylene	ND		ug/m ³	0.14	0.14	1.038	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 15:05	LDS
75-69-4	Trichlorofluoromethane (Freon 11)	1.3		ug/m ³	0.58	0.58	1.038	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 15:05	LDS
108-05-4	Vinyl acetate	11		ug/m ³	0.37	0.37	1.038	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 15:05	LDS
593-60-2	Vinyl bromide	ND		ug/m ³	0.45	0.45	1.038	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 15:05	LDS
75-01-4	Vinyl Chloride	ND		ug/m ³	0.27	0.27	1.038	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 15:05	LDS



Sample Information

Client Sample ID: AA-01

York Sample ID: 16F0665-01

York Project (SDG) No.

16F0665

Client Project ID

161280

Matrix

Indoor Ambient Air

Collection Date/Time

June 16, 2016 3:00 pm

Date Received

06/17/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
Surrogate Recoveries		Result	Acceptance Range								
460-00-4	Surrogate: p-Bromofluorobenzene	91.7 %	72-118								

Sample Information

Client Sample ID: SV-01

York Sample ID: 16F0665-02

York Project (SDG) No.

16F0665

Client Project ID

161280

Matrix

Soil Vapor

Collection Date/Time

June 16, 2016 3:00 pm

Date Received

06/17/2016

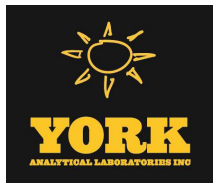
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	15	15	21.91	EPA TO-15 Certifications:	06/20/2016 12:43	06/20/2016 16:51	LDS
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	12	12	21.91	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 16:51	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	15	15	21.91	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 16:51	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	17	17	21.91	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 16:51	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	12	12	21.91	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 16:51	LDS
75-34-3	1,1-Dichloroethane	ND		ug/m ³	8.9	8.9	21.91	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 16:51	LDS
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	8.7	8.7	21.91	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 16:51	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	16	16	21.91	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 16:51	LDS
95-63-6	1,2,4-Trimethylbenzene	120		ug/m ³	11	11	21.91	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 16:51	LDS
106-93-4	1,2-Dibromoethane	ND		ug/m ³	17	17	21.91	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 16:51	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	13	13	21.91	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 16:51	LDS
107-06-2	1,2-Dichloroethane	ND		ug/m ³	8.9	8.9	21.91	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 16:51	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m ³	10	10	21.91	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 16:51	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	15	15	21.91	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 16:51	LDS



Sample Information

Client Sample ID: SV-01

York Sample ID: 16F0665-02

York Project (SDG) No.

16F0665

Client Project ID

161280

Matrix

Soil Vapor

Collection Date/Time

June 16, 2016 3:00 pm

Date Received

06/17/2016

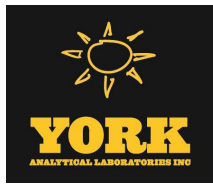
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-67-8	1,3,5-Trimethylbenzene	28		ug/m ³	11	11	21.91	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 16:51	LDS
106-99-0	1,3-Butadiene	ND		ug/m ³	15	15	21.91	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 16:51	LDS
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	13	13	21.91	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 16:51	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	10	10	21.91	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 16:51	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	13	13	21.91	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 16:51	LDS
123-91-1	1,4-Dioxane	ND		ug/m ³	16	16	21.91	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 16:51	LDS
78-93-3	2-Butanone	15		ug/m ³	6.5	6.5	21.91	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 16:51	LDS
591-78-6	* 2-Hexanone	ND		ug/m ³	18	18	21.91	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 16:51	LDS
107-05-1	3-Chloropropene	ND		ug/m ³	34	34	21.91	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 16:51	LDS
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	9.0	9.0	21.91	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 16:51	LDS
67-64-1	Acetone	46		ug/m ³	10	10	21.91	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 16:51	LDS
107-13-1	Acrylonitrile	ND		ug/m ³	4.8	4.8	21.91	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 16:51	LDS
71-43-2	Benzene	15		ug/m ³	7.0	7.0	21.91	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 16:51	LDS
100-44-7	Benzyl chloride	ND		ug/m ³	11	11	21.91	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 16:51	LDS
75-27-4	Bromodichloromethane	ND		ug/m ³	15	15	21.91	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 16:51	LDS
75-25-2	Bromoform	ND		ug/m ³	23	23	21.91	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 16:51	LDS
74-83-9	Bromomethane	ND		ug/m ³	8.5	8.5	21.91	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 16:51	LDS
75-15-0	Carbon disulfide	ND		ug/m ³	6.8	6.8	21.91	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 16:51	LDS
56-23-5	Carbon tetrachloride	ND		ug/m ³	3.4	3.4	21.91	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 16:51	LDS
108-90-7	Chlorobenzene	ND		ug/m ³	10	10	21.91	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 16:51	LDS
75-00-3	Chloroethane	ND		ug/m ³	5.8	5.8	21.91	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 16:51	LDS
67-66-3	Chloroform	ND		ug/m ³	11	11	21.91	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 16:51	LDS



Sample Information

Client Sample ID: SV-01

York Sample ID: 16F0665-02

York Project (SDG) No.

16F0665

Client Project ID

161280

Matrix

Soil Vapor

Collection Date/Time

June 16, 2016 3:00 pm

Date Received

06/17/2016

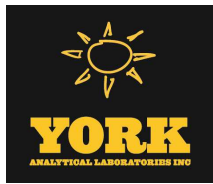
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-87-3	Chloromethane	ND		ug/m ³	4.5	4.5	21.91	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 16:51	LDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	8.7	8.7	21.91	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 16:51	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	9.9	9.9	21.91	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 16:51	LDS
110-82-7	Cyclohexane	ND		ug/m ³	7.5	7.5	21.91	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 16:51	LDS
124-48-1	Dibromochloromethane	ND		ug/m ³	19	19	21.91	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 16:51	LDS
75-71-8	Dichlorodifluoromethane	ND		ug/m ³	11	11	21.91	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 16:51	LDS
141-78-6	* Ethyl acetate	ND		ug/m ³	16	16	21.91	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 16:51	LDS
100-41-4	Ethyl Benzene	59		ug/m ³	9.5	9.5	21.91	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 16:51	LDS
87-68-3	Hexachlorobutadiene	ND		ug/m ³	23	23	21.91	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 16:51	LDS
67-63-0	Isopropanol	ND		ug/m ³	11	11	21.91	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 16:51	LDS
80-62-6	Methyl Methacrylate	ND		ug/m ³	9.0	9.0	21.91	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 16:51	LDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	7.9	7.9	21.91	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 16:51	LDS
75-09-2	Methylene chloride	ND		ug/m ³	15	15	21.91	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 16:51	LDS
142-82-5	n-Heptane	26		ug/m ³	9.0	9.0	21.91	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 16:51	LDS
110-54-3	n-Hexane	20		ug/m ³	7.7	7.7	21.91	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 16:51	LDS
95-47-6	o-Xylene	80		ug/m ³	9.5	9.5	21.91	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 16:51	LDS
179601-23-1	p- & m- Xylenes	280		ug/m ³	19	19	21.91	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 16:51	LDS
622-96-8	* p-Ethyltoluene	110		ug/m ³	11	11	21.91	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 16:51	LDS
115-07-1	* Propylene	12		ug/m ³	3.8	3.8	21.91	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 16:51	LDS
100-42-5	Styrene	ND		ug/m ³	9.3	9.3	21.91	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 16:51	LDS
127-18-4	Tetrachloroethylene	15		ug/m ³	3.7	3.7	21.91	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 16:51	LDS
109-99-9	* Tetrahydrofuran	ND		ug/m ³	13	13	21.91	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 16:51	LDS
108-88-3	Toluene	170		ug/m ³	8.3	8.3	21.91	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 16:51	LDS



Sample Information

Client Sample ID: SV-01

York Sample ID: 16F0665-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

16F0665

161280

Soil Vapor

June 16, 2016 3:00 pm

06/17/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	8.7	8.7	21.91	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 16:51	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	9.9	9.9	21.91	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 16:51	LDS
79-01-6	Trichloroethylene	41		ug/m ³	2.9	2.9	21.91	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 16:51	LDS
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m ³	12	12	21.91	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 16:51	LDS
108-05-4	Vinyl acetate	ND		ug/m ³	7.7	7.7	21.91	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 16:51	LDS
593-60-2	Vinyl bromide	ND		ug/m ³	9.6	9.6	21.91	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 16:51	LDS
75-01-4	Vinyl Chloride	ND		ug/m ³	5.6	5.6	21.91	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 16:51	LDS

Sample Information

Client Sample ID: SV-02

York Sample ID: 16F0665-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

16F0665

161280

Soil Vapor

June 16, 2016 3:00 pm

06/17/2016

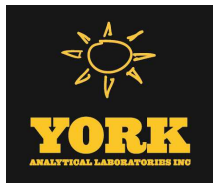
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	16	16	23.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 17:40	LDS
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	13	13	23.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 17:40	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	16	16	23.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 17:40	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	18	18	23.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 17:40	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	13	13	23.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 17:40	LDS
75-34-3	1,1-Dichloroethane	ND		ug/m ³	9.4	9.4	23.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 17:40	LDS
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	9.2	9.2	23.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 17:40	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	17	17	23.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 17:40	LDS



Sample Information

Client Sample ID: SV-02

York Sample ID: 16F0665-03

York Project (SDG) No.

16F0665

Client Project ID

161280

Matrix

Soil Vapor

Collection Date/Time

June 16, 2016 3:00 pm

Date Received

06/17/2016

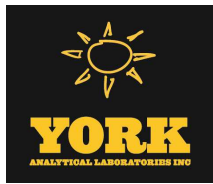
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	99		ug/m ³	11	11	23.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 17:40	LDS
106-93-4	1,2-Dibromoethane	ND		ug/m ³	18	18	23.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 17:40	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	14	14	23.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 17:40	LDS
107-06-2	1,2-Dichloroethane	ND		ug/m ³	9.4	9.4	23.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 17:40	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m ³	11	11	23.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 17:40	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	16	16	23.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 17:40	LDS
108-67-8	1,3,5-Trimethylbenzene	24		ug/m ³	11	11	23.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 17:40	LDS
106-99-0	1,3-Butadiene	ND		ug/m ³	15	15	23.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 17:40	LDS
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	14	14	23.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 17:40	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	11	11	23.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 17:40	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	14	14	23.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 17:40	LDS
123-91-1	1,4-Dioxane	ND		ug/m ³	17	17	23.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 17:40	LDS
78-93-3	2-Butanone	ND		ug/m ³	6.9	6.9	23.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 17:40	LDS
591-78-6	* 2-Hexanone	ND		ug/m ³	19	19	23.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 17:40	LDS
107-05-1	3-Chloropropene	ND		ug/m ³	37	37	23.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 17:40	LDS
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	9.6	9.6	23.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 17:40	LDS
67-64-1	Acetone	24		ug/m ³	11	11	23.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 17:40	LDS
107-13-1	Acrylonitrile	ND		ug/m ³	5.1	5.1	23.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 17:40	LDS
71-43-2	Benzene	14		ug/m ³	7.5	7.5	23.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 17:40	LDS
100-44-7	Benzyl chloride	ND		ug/m ³	12	12	23.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 17:40	LDS
75-27-4	Bromodichloromethane	ND		ug/m ³	16	16	23.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 17:40	LDS
75-25-2	Bromoform	ND		ug/m ³	24	24	23.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 17:40	LDS



Sample Information

Client Sample ID: SV-02

York Sample ID: 16F0665-03

York Project (SDG) No.

16F0665

Client Project ID

161280

Matrix

Soil Vapor

Collection Date/Time

June 16, 2016 3:00 pm

Date Received

06/17/2016

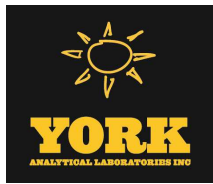
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-83-9	Bromomethane	ND		ug/m ³	9.1	9.1	23.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 17:40	LDS
75-15-0	Carbon disulfide	ND		ug/m ³	7.3	7.3	23.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 17:40	LDS
56-23-5	Carbon tetrachloride	ND		ug/m ³	3.7	3.7	23.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 17:40	LDS
108-90-7	Chlorobenzene	ND		ug/m ³	11	11	23.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 17:40	LDS
75-00-3	Chloroethane	ND		ug/m ³	6.2	6.2	23.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 17:40	LDS
67-66-3	Chloroform	19		ug/m ³	11	11	23.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 17:40	LDS
74-87-3	Chloromethane	ND		ug/m ³	4.8	4.8	23.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 17:40	LDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	9.2	9.2	23.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 17:40	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	11	11	23.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 17:40	LDS
110-82-7	Cyclohexane	ND		ug/m ³	8.0	8.0	23.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 17:40	LDS
124-48-1	Dibromochloromethane	ND		ug/m ³	20	20	23.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 17:40	LDS
75-71-8	Dichlorodifluoromethane	ND		ug/m ³	12	12	23.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 17:40	LDS
141-78-6	* Ethyl acetate	ND		ug/m ³	17	17	23.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 17:40	LDS
100-41-4	Ethyl Benzene	47		ug/m ³	10	10	23.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 17:40	LDS
87-68-3	Hexachlorobutadiene	ND		ug/m ³	25	25	23.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 17:40	LDS
67-63-0	Isopropanol	ND		ug/m ³	11	11	23.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 17:40	LDS
80-62-6	Methyl Methacrylate	ND		ug/m ³	9.6	9.6	23.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 17:40	LDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	8.4	8.4	23.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 17:40	LDS
75-09-2	Methylene chloride	ND		ug/m ³	16	16	23.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 17:40	LDS
142-82-5	n-Heptane	16		ug/m ³	9.6	9.6	23.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 17:40	LDS
110-54-3	n-Hexane	18		ug/m ³	8.2	8.2	23.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 17:40	LDS
95-47-6	o-Xylene	64		ug/m ³	10	10	23.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 17:40	LDS



Sample Information

Client Sample ID: SV-02

York Sample ID: 16F0665-03

York Project (SDG) No.

16F0665

Client Project ID

161280

Matrix

Soil Vapor

Collection Date/Time

June 16, 2016 3:00 pm

Date Received

06/17/2016

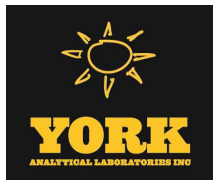
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
179601-23-1	p- & m- Xylenes	230		ug/m ³	20	20	23.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 17:40	LDS
622-96-8	* p-Ethyltoluene	93		ug/m ³	11	11	23.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 17:40	LDS
115-07-1	* Propylene	16		ug/m ³	4.0	4.0	23.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 17:40	LDS
100-42-5	Styrene	ND		ug/m ³	9.9	9.9	23.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 17:40	LDS
127-18-4	Tetrachloroethylene	55		ug/m ³	4.0	4.0	23.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 17:40	LDS
109-99-9	* Tetrahydrofuran	ND		ug/m ³	14	14	23.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 17:40	LDS
108-88-3	Toluene	140		ug/m ³	8.8	8.8	23.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 17:40	LDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	9.2	9.2	23.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 17:40	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	11	11	23.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 17:40	LDS
79-01-6	Trichloroethylene	180		ug/m ³	3.1	3.1	23.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 17:40	LDS
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m ³	13	13	23.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 17:40	LDS
108-05-4	Vinyl acetate	ND		ug/m ³	8.2	8.2	23.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 17:40	LDS
593-60-2	Vinyl bromide	ND		ug/m ³	10	10	23.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 17:40	LDS
75-01-4	Vinyl Chloride	ND		ug/m ³	6.0	6.0	23.33	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/20/2016 12:43	06/20/2016 17:40	LDS



Notes and Definitions

QL-03 This LCS analyte recovered outside of acceptance limits. The LCS contains approximately 70 compounds, a limited number of which may be outside acceptance windows.

*	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.

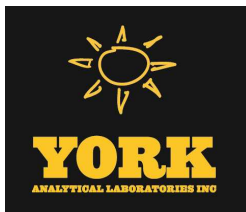
Field Chain-of-Custody Record - AIR

Page 1 of 1

York Project No. 16F0665

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.

YOUR INFORMATION		Report To:		Invoice To:		YOUR Project ID		Turn-Around Time		Report Type/Deliverables	
Company:	<u>EBS</u>	Company:	<u>same</u>	Company:	<u>same</u>	<u>161280</u>		☐ RUSH - Same Day	☐ Summary Report	☐ Summary w/ QA Summary	
Address:	<u>4978th Ave</u>	Address:		Address:		<u>Purchase Order No.</u>		☐ RUSH - Next Day	☐ CT RCP Package	☐ NY ASP A Package	
Phone No.	<u>NY 10001</u>	Phone No.		Phone No.				☐ RUSH - Two Day	☐ NY ASP B/CLP Pkg	☐ NJDEP Reduced	
Contact Person:	<u>John Masgella</u>	Attention:		Attention:				☐ RUSH - Three Day	☐ Electronic Deliverables:	☐ EDD (Specify Type)	
E-Mail Address:	<u>jmascella@ebsny.com</u>	E-Mail Address:		E-Mail Address:				☐ RUSH - Four Day	☐ 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.		Air Matrix Codes AI - INDOOR Ambient Air AO - OUTDOOR Amb. Air AE - Vapor Extraction Well/ Process Gas/Effluent AS - SOIL Vapor/Sub-Slab		Additional Notes: 		Detection Limits Required ☒ $\leq 1 \mu\text{g}/\text{m}^3$ NYSDC VI Limits (VI = vapor intrusion) NJDEP low level Routine Survey Other		Special Instructions 			
Samples Collected/Authorized By (Signature) <u>John Masgella</u> Name (printed)		Please enter the following Field Data 									
Sample Identification	Date Sampled	AIR Matrix	Canister Vacuum Before Sampling (in. Hg)	Canister Vacuum After Sampling (in. Hg)	Canister ID	Flow Cont. ID	ANALYSES REQUESTED		Sampling Media		
AA-01	6-16-16	AI	29	5	19527	T13	70-10		6 Liter canister Tedlar Bag		
SU-01	"	AS	29	6	18306	T1	"		6 Liter canister Tedlar Bag		
SU-02	"	AS	29	9	16152	T6	"		6 Liter canister Tedlar Bag		
									6 Liter canister Tedlar Bag		
									6 Liter canister Tedlar Bag		
									6 Liter canister Tedlar Bag		
									6 Liter canister Tedlar Bag		
									6 Liter canister Tedlar Bag		
									6 Liter canister Tedlar Bag		
									6 Liter canister Tedlar Bag		
									6 Liter canister Tedlar Bag		
Comments <u>John Masgella 6/16/16</u> Samples Relinquished By Date/Time <u>Grace 6-17-16 1637</u> Samples Received By Date/Time <u>Grace 6-17-16 1637</u> Samples Relinquished in LAB by Date/Time											



Technical Report

prepared for:

Environmental Building Solutions, LLC

494 Eighth Avenue, Suite 1403

New York NY, 10001

Attention: John Mascioli

Report Date: 07/01/2016

Client Project ID: 161280

York Project (SDG) No.: 16F1138

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 07/01/2016
Client Project ID: 161280
York Project (SDG) No.: 16F1138

Environmental Building Solutions, LLC
494 Eighth Avenue, Suite 1403
New York NY, 10001
Attention: John Mascioli

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 29, 2016 and listed below. The project was identified as your project: **161280**.

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 Notes 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 attachment to this report, and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
16F1138-01	UVOST Loc. # 8	Soil	06/29/2016	06/29/2016
16F1138-02	UVOST Loc. # 10	Soil	06/29/2016	06/29/2016
16F1138-03	UVOST Loc. # 11	Soil	06/29/2016	06/29/2016
16F1138-04	UVOST Loc. # 3	Soil	06/29/2016	06/29/2016
16F1138-05	UVOST Loc. # 2	Soil	06/29/2016	06/29/2016

General Notes for York Project (SDG) No.: 16F1138

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 samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By:



Benjamin Gulizia
Laboratory Director

Date: 07/01/2016



DRAFT



Sample Information

Client Sample ID: UVOST Loc. # 8

York Sample ID: 16F1138-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

16F1138

161280

Soil

June 29, 2016 11:00 am

06/29/2016

Total Petroleum Hydrocarbons-DRO (C10-C28)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Petroleum Hydrocarbons-DRO	17400		mg/kg dry	36.5	107	10	EPA 8015D	06/30/2016 07:13	06/30/2016 22:07	AMC
								Certifications: NELAC-NY10854,NJDEP,PADEP			
	Surrogate Recoveries	Result						Acceptance Range			
638-68-6	Surrogate: Triacontane	%	S-02					30-150			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	93.2		%	0.100	0.100	1	SM 2540G	06/30/2016 09:36	06/30/2016 15:59	TJM
								Certifications: CTDOH			

Sample Information

Client Sample ID: UVOST Loc. # 10

York Sample ID: 16F1138-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

16F1138

161280

Soil

June 29, 2016 11:30 am

06/29/2016

Total Petroleum Hydrocarbons-DRO (C10-C28)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Petroleum Hydrocarbons-DRO	35700		mg/kg dry	37.5	110	10	EPA 8015D	06/30/2016 07:13	06/30/2016 22:38	AMC
								Certifications: NELAC-NY10854,NJDEP,PADEP			
	Surrogate Recoveries	Result						Acceptance Range			
638-68-6	Surrogate: Triacontane	%	S-02					30-150			

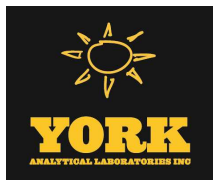
Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	90.8		%	0.100	0.100	1	SM 2540G	06/30/2016 09:36	06/30/2016 15:59	TJM
								Certifications: CTDOH			



Sample Information

Client Sample ID: UVOST Loc. # 11

York Sample ID: 16F1138-03

York Project (SDG) No.

16F1138

Client Project ID

161280

Matrix

Soil

Collection Date/Time

June 29, 2016 12:05 pm

Date Received

06/29/2016

Total Petroleum Hydrocarbons-DRO (C10-C28)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Petroleum Hydrocarbons-DRO	16700		mg/kg dry	35.8	105	10	EPA 8015D	06/30/2016 07:13	06/30/2016 23:09	AMC
								Certifications: NELAC-NY10854,NJDEP,PADEP			
	Surrogate Recoveries	Result						Acceptance Range			
638-68-6	Surrogate: Triacantane	%	S-02					30-150			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	95.0		%	0.100	0.100	1	SM 2540G	06/30/2016 09:36	06/30/2016 15:59	TJM
								Certifications: CTDOH			

Sample Information

Client Sample ID: UVOST Loc. # 3

York Sample ID: 16F1138-04

York Project (SDG) No.

16F1138

Client Project ID

161280

Matrix

Soil

Collection Date/Time

June 29, 2016 1:25 pm

Date Received

06/29/2016

Total Petroleum Hydrocarbons-DRO (C10-C28)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Petroleum Hydrocarbons-DRO	16600		mg/kg dry	36.6	108	10	EPA 8015D	06/30/2016 07:13	06/30/2016 23:40	AMC
								Certifications: NELAC-NY10854,NJDEP,PADEP			
	Surrogate Recoveries	Result						Acceptance Range			
638-68-6	Surrogate: Triacantane	%	S-02					30-150			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	93.0		%	0.100	0.100	1	SM 2540G	06/30/2016 09:36	06/30/2016 15:59	TJM
								Certifications: CTDOH			



Sample Information

Client Sample ID: UVOST Loc. # 2

York Sample ID: 16F1138-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

16F1138

161280

Soil

June 29, 2016 2:05 pm

06/29/2016

Total Petroleum Hydrocarbons-DRO (C10-C28)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Petroleum Hydrocarbons-DRO	16300		mg/kg dry	35.3	104	10	EPA 8015D	06/30/2016 07:13	07/01/2016 00:11	AMC
								Certifications: NELAC-NY10854,NJDEP,PADEP			
	Surrogate Recoveries	Result						Acceptance Range			
638-68-6	Surrogate: Triacontane	%	S-02					30-150			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	96.3		%	0.100	0.100	1	SM 2540G	06/30/2016 09:36	06/30/2016 15:59	TJM
								Certifications: CTDOH			



Notes and Definitions

S-02 The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

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

Field Chain-of-Custody Record

Page 1 of 1

York Project No. 16 F1138

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.

YOUR Information Company: <u>EBS</u> Address: <u>499 8th Ave</u> <u>Suite 1403 NY, NY 10011</u> Phone No. <u>516 987 0354</u> Contact Person: <u>John Mascidi</u> E-Mail Address: <u>jmascidi@ebslab.com</u>		Report To: Company: <u>Same</u> Address: _____ Phone No. _____ Attention: _____ E-Mail Address: _____		Invoice To: Company: <u>Same</u> Address: _____ Phone No. _____ Attention: _____ E-Mail Address: _____		YOUR Project ID <u>161280</u> Purchase Order No. _____		Turn-Around Time RUSH - Same Day ☐ RUSH - Next Day ☐ RUSH - Two Day ☒ RUSH - Three Day ☐ RUSH - Four Day ☐ Standard (5-7 Days) ☐		Report Type Summary Report _____ Summary w/ QA Summary _____ CT RCP Package _____ CTRCP DQA/DUE Pkg _____ NY ASP A Package _____ NY ASP B Package _____ NUDEP Red. Deliv. _____ Electronic Data Deliverables (EDD) _____ Simple Excel _____ NYSDEC EQUIS _____ EQUIS (std) _____ EZ-EDD (EQUIS) _____ NUDEP SRP HazSite EDD _____ GIS/KEY (std) _____ Other _____ York Regulatory Comparison _____ Excel Spreadsheet _____ Compare to the following Regs. (please fill in): _____	
Volatiles 8260 full _____ 624 _____ STARS list _____ BTEX _____ MTBE _____ TCL list _____ TAGM list _____ CT RCP list _____ Arom. only _____ Halog. only _____ App. IX list _____ 8021B list _____		Semi-Vols. 8270 or 625 _____ STARS list _____ BN Only _____ Acids Only _____ PAH list _____ TAGM list _____ CT RCP list _____ TCL list _____ NUDEP list _____ App. IX _____ TCLP BNA _____ SPL or TCLP _____ 608 PCB _____		Metals RCRA8 _____ PP13 list _____ TAL _____ CT15 list _____ TAGM list _____ NUDEP list _____ Total _____ Dissolved _____ SPL or TCLP _____ Ind. Metals _____ LIST Below _____ Helium _____		Misc. Org. TPH GRO _____ TPH DRG _____ CTEPH _____ NY 310-13 _____ TPH 1664 _____ Air TO14A _____ Air TO15 _____ Air STARS _____ Air VPH _____ Air TICs _____ Methane _____ Helium _____		Full Lists Pri. Poll. _____ TCL Organics _____ TAL MetCN _____ Full TCLP _____ Full App. IX _____ Part 360 Reuse _____ Part 360 Reuse _____ Part 360 Reuse _____ Part 360 Reuse _____ NYDEP Sewer _____ NYSDEC Sewer _____ TAGM _____ Silica _____		Misc. Corrosivity _____ Reactivity _____ Ignitability _____ Flash Point _____ Sieve Anal. _____ Heterotrophs _____ TOX _____ BTU/lb. _____ Aquatic Tox. _____ TOC _____ Asbestos _____ Silica _____	

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

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

John Mascidi
 Samples Collected/Authorized By (Signature)
John Mascidi
 Name (printed)

Sample Identification	Date/Time Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
Urost Loc. # 8	6.29 11:00	S	TPH-DRD	
Urost Loc. # 10	6.29 11:30	S	TPH-DRD	
Urost Loc. # 11	6.29 12:05	S	TPH-DRD	
Urost Loc. # 3	6.29 13:25	S	TPH-DRD	
Urost Loc. # 2	6.29 14:05	S	TPH-DRD	
Comments Preservation ☐ Check those Applicable Special ☐ Instructions ☐ Field Filtered ☐ Lab to Filter ☐				
4°C _____ Frozen _____ HCl _____ MeOH _____ HNO ₃ _____ NaOH _____ ZnAc _____ Ascorbic Acid _____ Other _____		Temperature _____ Samples Relinquished By <u>John Mascidi</u> Date/Time <u>6/29/16 18:57</u> Samples Received in LAB by <u>John Mascidi</u> Date/Time <u>6/29/16 18:57</u> Samples Relinquished By _____ Date/Time _____ Samples Received in LAB by _____ Date/Time _____		

APPENDIX E
NYSDOH SOIL VAPOR MATRICES

DRAFT

Soil Vapor / Indoor Air Matrix 2

October 2006

SUB-SLAB VAPOR CONCENTRATION of COMPOUND (mcg / m ³)	INDOOR AIR CONCENTRATION of COMPOUND (mcg / m ³)			
	< 3	3 to < 30	30 to < 100	100 and above
< 100	1. No further action	2. Take reasonable and practical actions to identify source(s) and reduce exposures	3. Take reasonable and practical actions to identify source(s) and reduce exposures	4. Take reasonable and practical actions to identify source(s) and reduce exposures
100 to < 1,000	5. MONITOR	6. MONITOR / MITIGATE	7. MITIGATE	8. MITIGATE
1,000 and above	9. MITIGATE	10. MITIGATE	11. MITIGATE	12. MITIGATE

No further action:

Given that the compound was not detected in the indoor air sample and that the concentration detected in the sub-slab vapor sample is not expected to significantly affect indoor air quality, no additional actions are needed to address human exposures.

Take reasonable and practical actions to identify source(s) and reduce exposures:

The concentration detected in the indoor air sample is likely due to indoor and/or outdoor sources rather than soil vapor intrusion given the concentration detected in the sub-slab vapor sample. Therefore, steps should be taken to identify potential source(s) and to reduce exposures accordingly (e.g., by keeping containers tightly capped or by storing volatile organic compound-containing products in places where people do not spend much time, such as a garage or outdoor shed). Resampling may be recommended to demonstrate the effectiveness of actions taken to reduce exposures.

MONITOR:

Monitoring, including sub-slab vapor, basement air, lowest occupied living space air, and outdoor air sampling, is needed to determine whether concentrations in the indoor air or sub-slab vapor have changed. Monitoring may also be needed to determine whether existing building conditions (e.g., positive pressure heating, ventilation and air-conditioning systems) are maintaining the desired mitigation endpoint and to determine whether changes are needed. The type and frequency of monitoring is determined on a site-specific and building-specific basis, taking into account applicable environmental data and building operating conditions. Monitoring is an interim measure required to evaluate exposures related to soil vapor intrusion until contaminated environmental media are remediated.

MITIGATE:

Mitigation is needed to minimize current or potential exposures associated with soil vapor intrusion. The most common mitigation methods are sealing preferential pathways in conjunction with installing a sub-slab depressurization system, and changing the pressurization of the building in conjunction with monitoring. The type, or combination of types, of mitigation is determined on a building-specific basis, taking into account building construction and operating conditions. Mitigation is considered a temporary measure implemented to address exposures related to soil vapor intrusion until contaminated environmental media are remediated.

MONITOR / MITIGATE:

Monitoring or mitigation may be recommended after considering the magnitude of sub-slab vapor and indoor air concentrations along with building- and site-specific conditions.

See additional notes on page 2.

ADDITIONAL NOTES FOR MATRIX 2

This matrix summarizes the minimum actions recommended to address current and potential exposures related to soil vapor intrusion. To use the matrix appropriately as a tool in the decision-making process, the following should be noted:

- [1] The matrix is generic. As such, it may be appropriate to modify a recommended action to accommodate building-specific conditions (e.g., dirt floor in basement, crawl spaces, etc.) and/or factors provided in Section 3.2 of the guidance (e.g., current land use, environmental conditions, etc.). For example, resampling may be recommended when the matrix indicates "no further action" for a particular building, but the results of adjacent buildings (especially sub-slab vapor results) indicate a need to take actions to address exposures related to soil vapor intrusion. Additionally, actions more protective of public health than those specified within the matrix may be proposed at any time. For example, the party implementing the actions may decide to install sub-slab depressurization systems on buildings where the matrix indicates "no further action" or "monitoring." Such an action is usually undertaken for reasons other than public health (e.g., seeking community acceptance, reducing excessive costs, etc.).
- [2] Actions provided in the matrix are specific to addressing human exposures. Implementation of these actions does not preclude investigating possible sources of vapor contamination, nor does it preclude remediating contaminated soil vapors or the source of soil vapor contamination.
- [3] Appropriate care should be taken during all aspects of sample collection to ensure that high quality data are obtained. Since the data are being used in the decision-making process, the laboratory analyzing the environmental samples must have current Environmental Laboratory Approval Program (ELAP) certification for the appropriate analyte and environmental matrix combinations. Furthermore, samples should be analyzed by methods that can achieve a minimum reporting limit of 3 micrograms per cubic meter for indoor and outdoor air samples. For sub-slab vapor samples, a minimum reporting limit of 5 micrograms per cubic meter is recommended.
- [4] Sub-slab vapor and indoor air samples are typically collected when the likelihood of soil vapor intrusion to occur is considered to be the greatest (i.e., worst-case conditions). If samples are collected at other times (typically, samples collected outside of the heating season), then resampling during worst-case conditions may be appropriate to verify that actions taken to address exposures related to soil vapor intrusion are protective of human health.
- [5] When current exposures are attributed to sources other than soil vapor intrusion, the agencies should be given documentation (e.g., applicable environmental data, completed indoor air sampling questionnaire, digital photographs, etc.) to support a proposed action other than that provided in the matrix box and to support agency assessment and follow-up.
- [6] The party responsible for implementing the recommended actions will differ depending upon several factors, including the identified source of the volatile chemicals, the environmental remediation program, and site-specific and building-specific conditions. For example, to the extent that all site data and site conditions demonstrate that soil vapor intrusion is not occurring and that the potential for soil vapor intrusion to occur is not likely, the soil vapor intrusion investigation would be considered complete. In general, if indoor exposures represent a concern due to indoor sources, then the State will provide guidance to the property owner and/or tenant on ways to reduce their exposure. If indoor exposures represent a concern due to outdoor sources, then the NYSDEC will decide who is responsible for further investigation and any necessary remediation. Depending upon the outdoor source, this responsibility may or may not fall upon the party conducting the soil vapor intrusion investigation.

Soil Vapor / Indoor Air Matrix 1

October 2006

SUB-SLAB VAPOR CONCENTRATION of COMPOUND (mcg / m ³)	INDOOR AIR CONCENTRATION of COMPOUND (mcg / m ³)			
	< 0.25	0.25 to < 1	1 to < 5.0	5.0 and above
< 5	1. No further action	2. Take reasonable and practical actions to identify source(s) and reduce exposures	3. Take reasonable and practical actions to identify source(s) and reduce exposures	4. Take reasonable and practical actions to identify source(s) and reduce exposures
5 to < 50	5. No further action	6. MONITOR	7. MONITOR	8. MITIGATE
50 to < 250	9. MONITOR	10. MONITOR / MITIGATE	11. MITIGATE	12. MITIGATE
250 and above	13. MITIGATE	14. MITIGATE	15. MITIGATE	16. MITIGATE

No further action:

Given that the compound was not detected in the indoor air sample and that the concentration detected in the sub-slab vapor sample is not expected to significantly affect indoor air quality, no additional actions are needed to address human exposures.

Take reasonable and practical actions to identify source(s) and reduce exposures:

The concentration detected in the indoor air sample is likely due to indoor and/or outdoor sources rather than soil vapor intrusion given the concentration detected in the sub-slab vapor sample. Therefore, steps should be taken to identify potential source(s) and to reduce exposures accordingly (e.g., by keeping containers tightly capped or by storing volatile organic compound-containing products in places where people do not spend much time, such as a garage or outdoor shed). Resampling may be recommended to demonstrate the effectiveness of actions taken to reduce exposures.

MONITOR:

Monitoring, including sub-slab vapor, basement air, lowest occupied living space air, and outdoor air sampling, is needed to determine whether concentrations in the indoor air or sub-slab vapor have changed. Monitoring may also be needed to determine whether existing building conditions (e.g., positive pressure heating, ventilation and air-conditioning systems) are maintaining the desired mitigation endpoint and to determine whether changes are needed. The type and frequency of monitoring is determined on a site-specific and building-specific basis, taking into account applicable environmental data and building operating conditions. Monitoring is an interim measure required to evaluate exposures related to soil vapor intrusion until contaminated environmental media are remediated.

MITIGATE:

Mitigation is needed to minimize current or potential exposures associated with soil vapor intrusion. The most common mitigation methods are sealing preferential pathways in conjunction with installing a sub-slab depressurization system, and changing the pressurization of the building in conjunction with monitoring. The type, or combination of types, of mitigation is determined on a building-specific basis, taking into account building construction and operating conditions. Mitigation is considered a temporary measure implemented to address exposures related to soil vapor intrusion until contaminated environmental media are remediated.

MONITOR / MITIGATE:

Monitoring or mitigation may be recommended after considering the magnitude of sub-slab vapor and indoor air concentrations along with building- and site-specific conditions.

See additional notes on page 2.

ADDITIONAL NOTES FOR MATRIX 1

This matrix summarizes the minimum actions recommended to address current and potential exposures related to soil vapor intrusion. To use the matrix appropriately as a tool in the decision-making process, the following should be noted:

- [1] The matrix is generic. As such, it may be appropriate to modify a recommended action to accommodate building-specific conditions (e.g., dirt floor in basement, crawl spaces, etc.) and/or factors provided in Section 3.2 of the guidance (e.g., current land use, environmental conditions, etc.). For example, resampling may be recommended when the matrix indicates "no further action" for a particular building, but the results of adjacent buildings (especially sub-slab vapor results) indicate a need to take actions to address exposures related to soil vapor intrusion. Additionally, actions more protective of public health than those specified within the matrix may be proposed at any time. For example, the party implementing the actions may decide to install sub-slab depressurization systems on buildings where the matrix indicates "no further action" or "monitoring." Such an action is usually undertaken for reasons other than public health (e.g., seeking community acceptance, reducing excessive costs, etc.).
- [2] Actions provided in the matrix are specific to addressing human exposures. Implementation of these actions does not preclude investigating possible sources of vapor contamination, nor does it preclude remediating contaminated soil vapors or the source of soil vapor contamination.
- [3] Appropriate care should be taken during all aspects of sample collection to ensure that high quality data are obtained. Since the data are being used in the decision-making process, the laboratory analyzing the environmental samples must have current Environmental Laboratory Approval Program (ELAP) certification for the appropriate analyte and environmental matrix combinations. Furthermore, samples should be analyzed by methods that can achieve a minimum reporting limit of 0.25 microgram per cubic meter for indoor and outdoor air samples. For sub-slab vapor samples, a minimum reporting limit of 5 micrograms per cubic meter is recommended for buildings with full slab foundations, and 1 microgram per cubic meter for buildings with less than a full slab foundation.
- [4] Sub-slab vapor and indoor air samples are typically collected when the likelihood of soil vapor intrusion to occur is considered to be the greatest (i.e., worst-case conditions). If samples are collected at other times (typically, samples collected outside of the heating season), then resampling during worst-case conditions may be appropriate to verify that actions taken to address exposures related to soil vapor intrusion are protective of human health.
- [5] When current exposures are attributed to sources other than soil vapor intrusion, the agencies should be given documentation (e.g., applicable environmental data, completed indoor air sampling questionnaire, digital photographs, etc.) to support a proposed action other than that provided in the matrix box and to support agency assessment and follow-up.
- [6] The party responsible for implementing the recommended actions will differ depending upon several factors, including the identified source of the volatile chemicals, the environmental remediation program, and site-specific and building-specific conditions. For example, to the extent that all site data and site conditions demonstrate that soil vapor intrusion is not occurring and that the potential for soil vapor intrusion to occur is not likely, the soil vapor intrusion investigation would be considered complete. In general, if indoor exposures represent a concern due to indoor sources, then the State will provide guidance to the property owner and/or tenant on ways to reduce their exposure. If indoor exposures represent a concern due to outdoor sources, then the NYSDEC will decide who is responsible for further investigation and any necessary remediation. Depending upon the outdoor source, this responsibility may or may not fall upon the party conducting the soil vapor intrusion investigation.