

11 December 2017

Mr. Bryan Kelly
Executive Vice President, Development
Gotham
432 Park Avenue South, 2nd Floor
New York, NY 10016

**Re: Phase II Environmental Site Investigation Report
Proposed Covenant House Redevelopment
460 West 41st Street
New York, New York
Langan Project No. 100674401**

Dear Mr. Kelly:

Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C. (Langan) has prepared this letter report to document the results of a Limited Phase II Environmental Investigation (Phase II EI) completed at the above referenced property for the purposes of due diligence. A site location map is provided as Figure 1. The investigation was completed to assess potential subsurface impacts associated with an in-service 10,000-gallon fuel oil UST and former site operations as gasoline filling stations and an automobile repair facility at the site. The following is a summary of the findings of this investigation.

Site Description

The site is an approximately 28,664-square-foot property located at Block 1050, Lots 1 and 61 and is currently occupied by the Covenant House New York facilities, which consists of three 3- to 8-story buildings (Buildings A through C) that share one interconnected below-grade cellar level. Covenant House building A is located on the western side of the property along 10th Avenue between West 40th Street and the Covenant House parking lot; building B is located on the southeastern portion of the site along West 40th Street, and building C is located in the northeastern portion of the site and adjoins the Covenant House parking lot to the east building B to the north. A pedestrian walkway bisects the site from north to south between building A and buildings B and C.

The site is bordered by 10th Avenue to the west, West 41st Street to the north, West 40th Street to the south, and the 2-story 454 West 41st Street building and 6-story 455 West 40th Street building to the east. New York City Transit (NYCT) 7 Line subway tunnels are located to the north of the site below West 41st Street.

Historical records obtained from the New York State Department of Environmental Conservation (NYSDEC) and from a Phase I Environmental Site Assessment (ESA) prepared in September 2015 by TRC Engineers, Inc. (TRC) identified that a 10,000-gallon fuel oil underground storage tank (UST) is currently in service at the site. According to the NYSDEC Petroleum Bulk Storage (PBS) database, the 10,000-gallon fuel oil UST was installed in 1996 and is registered with the NYSDEC under Site No. 2-610819. Two closed NYSDEC Spills cases are associated with the site. NYSDEC Spill No. 0404424 was reported in 2004 when a petroleum odor was detected while completing soil borings at the north-adjacent 7 Line Subway Extension site and the spill was administratively closed in 2005 after removal of impacted soil. NYSDEC Spill No. 0613314 was reported in 2006 when oil was observed floating on groundwater during building renovations and approximately 3,000-gallons of contaminated groundwater was removed from the site and the spill was administratively closed in 2009. The Phase I ESA also identified the potential presence of historic urban fill as a recognized environmental condition (REC) based the dense development of the subject property and surrounding area since 1890.

The site is also an E-designated property for hazardous materials and noise. The hazardous materials E-designation requires preparation of a Remedial Investigation Work Plan and the completion of a laboratory testing protocol that includes the sampling and analysis of soil, groundwater and soil vapor. If contamination is identified, submission of a hazardous materials Remedial Action Workplan (RAP) and Construction Health and Safety Plan (CHASP) will be required. These requirements must be satisfied in order to receive a Notice to Proceed letter from the New York City Office of Environmental Remediation (NYCOER), the regulatory agency responsible for the oversight of the redevelopment of (E) designated properties.

Geological and Hydrogeological Conditions

Historical geotechnical investigations completed in 2003 by Parsons Brinckerhoff Quade & Douglas, Inc. at the NYCT 7 Line Extension project approximately on block to the north of the site identified a 3- to 10-foot thick layer of miscellaneous fill consisting of loose fine to coarse sand mixed with varying amounts of concrete, gravel, and asphalt. The fill layer was underlain by an 11- to 22-foot thick layer of native sands and silts. The top of competent quartz-feldspar biotite schist and granitic gneiss bedrock was encountered between 16- and 26-feet bsl.

Based on observations made during this Phase II EI, the soil profile at the Site consists of a layer of miscellaneous fill to between 11- and 19-feet below street level. At soil boring locations LSB-5, LSB-10 and LSB-11, where the elevation of the cellar floor with respect to street level could not be accurately determined, historic fill was encountered below the cellar floor slab to the depth of drilling refusal at 3.25- to 3.5-feet below the cellar slab. At two locations where drilling refusal was not encountered, a layer of silty sand was encountered immediately below the historic fill layer (LSB-2 and LSB-3). Groundwater was encountered at approximately 17.5-feet bsl in all of the soil borings completed in the parking lot and was measured at 16-feet bsl in temporary monitoring well TW-1. Groundwater was encountered in two soil borings completed in the cellar between 1- and 4.5-feet below the cellar floor slab,

corresponding to 16- and 19.5-feet below street level. Drilling refusal on presumed bedrock was encountered in all soil boring locations advanced in the cellar at depths that ranged from 2.5- to 9-feet below the cellar floor slab. Presumed bedrock elevations based on mica schist being observed in the macrocore tip at refusal locations.

Phase II Environmental Investigation

For the purposes of due diligence, to determine if the above identified issues could potentially impact the proposed site redevelopment plans as well as to partially satisfy the NYCOER remedial investigation requirements a limited Phase II EI was completed. The investigation activities included a geophysical survey, the installation of eleven soil borings, three temporary groundwater monitoring wells, and the collection of soil and groundwater samples for laboratory analysis. These investigation activities were completed to determine if a release associated with the active 10,000-gallon UST has occurred, if subsurface impacts exist associated with historical site operations as gasoline filling stations and an automobile repair facility, and if subsurface impacts exist associated with the presence of historic fill.

Geophysical Survey

The geophysical survey was completed on 17 November 2017 by NAEVA Geophysical Inc. of Congers, New York using electromagnetic surveying equipment and ground penetrating radar (GPR). The purpose of the geophysical survey was to identify the location of the UST and any associated piping or ancillary equipment, to identify any other potential underground structures within the survey area, and to complete utility clearance at the proposed soil boring locations. The survey was completed throughout the entire street-level parking lot at the northwestern corner of the site and in a 10-foot radius around each proposed soil boring location within the basement.

The survey confirmed the presence of an approximately 36- by 9-foot metallic anomaly below the easternmost portion of the parking lot and immediately adjacent and to the west of Building C which is assumed to be the active 10,000-gallon fuel oil UST. One fuel oil fill port and one vent pipe were observed in the vicinity of the metallic anomaly and one remote fill port was observed in the West 41st Street sidewalk. The fill port was determined to be connected to the UST based on results of the electromagnetic survey. Fuel oil feed and return lines were traced from the UST to the northeastern corner of building A and were visually observed to run along the cellar level ceiling to the main boiler room. Three other metallic anomalies were observed in the parking lot, but were inconsistent with typical size and shape characteristics of USTs.

Soil Investigation Procedures and Field Observations

On 20 and 21 November 2017, eleven soil borings (LSB-1 through LSB-11) were completed to investigate soil conditions and assess the potential presence of impacts associated with the in-service UST and historical site operations. The borings were completed by Coastal Environmental Solutions, Inc. (Coastal) of Medford, New York.

Four soil borings were completed to between 20- and 23-feet below street level (bsl) in the parking lot with a track-mounted Geoprobe® 6610DT direct push drill rig. Two of these soil borings (LSB-3 and LSB-4) were completed in the eastern portion of the parking lot immediately to the west of the UST in the presumed regionally downgradient direction, and two (LSB-1 and LSB-2) were completed in the western portion of the parking lot in the area of the former gasoline filling station historically located at the intersection of West 41st Street and 10th Avenue.

Cellar slab depth varied throughout the site. Soil borings advanced in the southeastern portion of the site (LSB-6 through LSB-9) were installed at a depth that began approximately 15-feet bsl based on field measurements taken from a sidewalk hatch located on West 40th Street. The depth of the cellar floor slab below street level could not be accurately determined at the LSB-5, LSB-10, or LSB-11 due to building conditions; however, these locations are assumed to be shallower than the cellar floor slab in the southeastern portion of the site.

Five soil borings (LSB-6 through LSB-9 and LSB-11) were completed in the cellar using a limited access Geoprobe® 420M direct push drill rig and the remaining two soil borings (LSB-5 and LSB-10) were completed in the cellar using a limited access large bore sampler advanced with a pneumatic driver. Two soil borings (LSB-6 and LSB-7) were completed in the southwestern portion of the cellar in the area of the former gasoline filling station historically located along West 40th Street and two soil borings (LSB-8 and LSB-9) were completed in the southeastern portion of the cellar in the vicinity of the former automobile repair facility historically located along West 40th Street. The remainder of the soil borings (LSB-5, LSB-10, and LSB-11) were completed to assess overall subsurface conditions at the site. The soil borings LSB-5 through LSB-11 were completed from the current cellar floor slab, which corresponds to approximately 15-feet bsl at soil boring locations LSB-6 through LSB-9 as discussed above, to the depth of drilling refusal which ranged from 3- to 9-feet below the cellar floor slab.

All soil boring locations are shown on Figure 2, and a summary of soil sample analytical results is provided in Table 1. Soil boring logs are provided in Attachment A and a complete laboratory data package is provided in Attachment C.

Continuous macrocore samples were collected to the bottom of each boring. Field screening of soil during sample collection for volatile organic compounds (VOCs) using a photo-ionization detector (PID) was completed during the installation of all eleven test borings and all soil samples were screened for visual or olfactory evidence of impacts. Elevated PID readings of up to 104 ppm above background, odors, and staining were detected in LSB-6 between 1- and 3-feet below the basement floor slab; elevated PID readings and/or odor and staining were not observed in any other soil borings.

Eleven soil samples were collected for chemical analysis during this Phase II EI. Samples for laboratory analysis were collected from the interval exhibiting the highest level of impacts as determined by PID screening results and odors at soil boring location LSB-6 (1- to 3- feet below cellar slab). Soil samples were collected from the 15- to 17-foot bsl interval at LSB-1 through

LSB-4 and from 0- to 2-feet below the cellar slab at LSB-9 to correspond to the depth interval immediately above the observed groundwater interface as no evidence of impacts was observed. Soil samples were collected from the 2-foot interval directly above the depth of drilling refusal in soil borings LSB-5, LSB-7, LSB-8, LSB-10, and LSB-11 as no evidence of contamination was observed and groundwater was not encountered in these soil borings.

Soil samples were submitted to York Analytical Laboratories, Inc. (York) of Stratford, CT for VOC, semi-volatile organic compound (SVOC), Target Analyte List (TAL) metals, and hexavalent chromium analysis.

Soil Sampling Quality Assurance/Quality Control

All soil sampling devices were properly decontaminated according to NYSDEC and ASTM (ASTM D-5088-90) guidelines prior to each sampling location. Each macrocore was lined with a dedicated acetate liner prior to the collection of each 5-foot long soil sample collected in the use of the Geoprobe® 6610DT, or 3-foot long soil sample collected with the limited access drilling rigs. Soil samples were then placed in glass jars supplied by the laboratory. Soil samples collected for VOCs were obtained via a plunger calibrated to collect approximately 5 grams of soil and then placed in a vial that was preserved with methanol or distilled water.

Each soil sample was recorded in a field log book. Samples were transferred to the laboratory immediately after field sampling was completed, and were stored at a maximum of 4° Celsius. Chain-of-custody forms were utilized to document custody for the acquisition, possession, and analysis.

Quality assurance (trip blanks) and quality control samples (field blank and duplicate samples) were incorporated into the sampling event and consisted of one field blank, one duplicate sample, and one trip blank. The soil duplicate sample was analyzed for VOCs, SVOCs, TAL metals, and hexavalent chromium. The trip blank and field blank samples were analyzed for VOCs only.

Ground Water Investigation and Field Observations

On 21 and 22 November 2017, three temporary groundwater monitoring wells (TW-1 through TW-3) were installed by a licensed well driller from Coastal. Monitoring wells were completed to depths ranging from 5.25- to 6-feet below the current cellar floor slab at TW-2 and TW-3 (corresponding to approximately 20.25- to 21-feet bsl), and at 23-feet bsl at TW-1. Temporary groundwater monitoring wells TW-2 and TW-3 were constructed with 6-feet of 1-inch diameter Schedule 40 PVC well screen and TW-1 was constructed with 10-feet of 1-inch diameter Schedule 40 PVC well screen and 15-feet of 1-inch diameter PVC riser. Monitoring well locations were measured in the field from the nearest property boundary or mapped interior building feature and are shown on Figure 2.

Groundwater levels were measured prior to sampling with an oil/water interface probe. Light non-aqueous phase liquid (LNAPL) was not detected in any of the temporary groundwater monitoring wells and groundwater was measured to be approximately 16-feet bsl in monitoring well TW-1 installed in the parking lot, at approximately 1-foot below the current basement floor slab in TW-2 installed in the southeast portion of the site, and at approximately 4.5-feet below the basement floor slab in TW-3, installed in the southwest portion of the site. Based on variations in the basement slab elevations, a depth bsl could not be confirmed for the TW-2 and TW-3 locations.

On 21 November 2017 two groundwater samples (TW-1 and TW-2) were collected for chemical analysis via United States Environmental Protection Agency (USEPA) low-flow purging and sampling methods using dedicated polyethylene tubing and a 0.75-inch diameter submersible bladder pump with a dedicated polyethylene bladder at each location. Following initial purging in TW-3, groundwater recharge was not sufficient and a grab groundwater sample was collected via a dedicated polyethylene bailer. Groundwater field parameters, including pH, specific conductivity, dissolved oxygen, oxidation-reduction potential, temperature, and turbidity were measured during low-flow purging activities. Groundwater Field Sampling Logs are provided in Attachment B. No odors, evidence of sheen, or free product were observed during purging or sampling activities in any of the wells. A summary of groundwater analytical results is provided in Table 2. Low-flow groundwater sampling logs are provided in Attachment B and a complete laboratory data package is provided in Attachment C.

Groundwater samples collected from TW-1 and TW-2 were submitted to York for VOC, SVOC, TAL metals, and hexavalent chromium analysis; the groundwater sample collected from TW-3 was submitted to York for VOC analysis only due to insufficient sample volume.

Groundwater Sampling Quality Assurance/Quality Control

Collected groundwater samples were placed in containers supplied by the laboratory with the appropriate preservatives. Each groundwater sample was recorded in a field log book. Samples were transferred to the laboratory immediately after field sampling was completed, and were stored prior to submission to the laboratory at a maximum of 4° Celsius. Chain-of-custody forms were utilized to document custody for the acquisition, possession, and analysis.

Quality assurance (trip blanks) and quality control samples (field blank and duplicate samples) were incorporated into the sampling event and consisted of one field blank, one trip blank, and one duplicate sample for groundwater samples. The groundwater field blank and duplicate samples were analyzed for VOCs, SVOCs, TAL metals, and hexavalent chromium. The trip blank was analyzed for VOCs only.

Laboratory Analytical Results

All soil analytical results were compared to the NYSDEC 6 NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives (SCOs).

Analytical results revealed no exceedances of the NYSDEC Unrestricted Use SCOs for VOCs or SVOCs in any of the soil samples collected. The metal selenium was detected at concentrations exceeding the Unrestricted Use SCO in all soil samples collected (4.2 mg/kg to 19.3 mg/kg) and iron was detected in exceedance of the Supplemental Restricted Residential SCO in all samples collected (4,820 mg/kg to 24,900 mg/kg).

Lead (89.4 mg/kg – 153 mg/kg), mercury (0.207 mg/kg to 0.345 mg/kg), and manganese (1,660 mg/kg) were detected at concentrations exceeding the NYSDEC Unrestricted Use SCOs in samples collected from LSB-2, LSB-5, LSB-6, and LSB-8. Total chromium was detected in LSB-7 at a concentration of 38.2 mg/kg, exceeding the NYSDEC Restricted Residential SCO; however, hexavalent chromium was not detected in any of the soil samples analyzed.

All groundwater analytical results were compared to the NYSDEC Part 703 Groundwater Quality Standards and the NYSDEC Technical & Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards (collectively referred to as GWQS). Analytical results revealed no VOCs were detected in exceedance of the NYSDEC GWQS with the exception of acetone in sample TW-3 at a concentration of 65.2 micrograms per liter (µg/l).

SVOCs were detected in sample TW-2, at concentrations exceeding the GWQS including benzo(a)anthracene (0.115 µg/l), benzo(a)pyrene (0.0615 µg/l), chrysene (0.108 µg/l), benzo(b)fluoranthene (0.0385 µg/l), and benzo(k)fluoranthene (0.0385 µg/l).

Metals were detected at concentrations exceeding the GWQS in groundwater samples TW-1 and TW-2 including barium (1,430 µg/l – 1,930 µg/l), beryllium (4.81 µg/l – 7.45 µg/l), iron (93,100 µg/l – 257,000 µg/l), lead (92.8 µg/l – 277 µg/l), manganese (7,470 µg/l – 16,100 µg/l), selenium (28.7 µg/l – 38.6 µg/l), and sodium (339,000 µg/l – 779,000 µg/l). Total chromium and magnesium were detected in TW-1 at concentrations 95.2 µg/l and 87,500 µg/l, respectively, exceeding the GWQS.

Conclusions and Recommendations

Based on the results of this Limited Phase II EI, the presence of a the active 10,000-gallon fuel oil UST and suspected piping has been confirmed in the eastern portion of the parking lot, west of building C. However, no impacts associated with the presence and active use of this tank were observed in the two borings placed in the vicinity of it.

Odors, staining, and elevated PID readings were observed in one soil boring, from 1- to 3-feet below the cellar slab in LSB-6, which is located in the southwestern portion of the site in the vicinity of the former gasoline filling station on West 40th Street.

Laboratory analytical results did not identify VOCs or SVOCs in soil at concentrations above the NYSDEC Unrestricted Use SCOs in any of the samples collected, including the sample from LSB-6. The VOC acetone, a common laboratory artifact, was reported in the groundwater sample TW-3 collected from LSB-6 at a concentration above the NYSDEC GWQS.

The polycyclic aromatic hydrocarbons (PAHs) benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene and chrysene were detected in the groundwater sample TW-2 at concentrations above the GWQS. These PAHs are commonly associated with the presence of historic fill were detected in the corresponding soil sample collected from within the historic fill layer at the TW-2 boring location (LSB-9), although at concentrations below the NYSDEC Unrestricted Use SCOs.

The metals barium, beryllium, iron, lead, manganese, selenium, and sodium were reported in groundwater samples collected from both TW-1 and TW-2 at concentrations above the GWQS; additionally, total chromium and magnesium were reported in TW-1 at concentrations above the GWQS. All of the metals reported in these groundwater samples at concentrations above the GWQS were also detected in their corresponding soil samples (LSB-4 and LSB-9) with the exception of beryllium; however, these compounds were not reported above the SCOs with the exception of iron and selenium. Soil samples collected from soil borings LSB-4 and LSB-9 were both collected from the historic fill layer at the 2-foot interval directly above the observed groundwater interface in each boring.

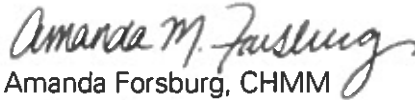
Based on the soil and groundwater analytical results, subsurface impacts from the 10,000-gallon fuel oil UST and historical site operations were not identified; however, historic fill, which based on the impacts observed would be considered a regulated waste is present at the site.

However; based on limited soil and groundwater analytical result exceedances identified, the current site conditions and the proposed redevelopment scenario, the site does not appear to be a viable NYSDEC Brownfield Cleanup Program (BCP) candidate. Additional investigation may determine that more extensive contamination exists at the site that would improve the viability of the tax incentive program being realized. As the site has an E-Designation for Hazardous Materials, additional investigation will likely be required by the NYCOER that may potentially identify these impacts, should they exist, and further evaluation regarding the inclusion into the BCP should be completed at that time. As the site is E-Designated for hazardous materials, the NYOCER will need to approve a remedial action work plan and prepare a Notice to Proceed letter for submission to the NYC Department of Buildings to clear the requirement to do so, allowing for them to issue a New Building or Foundation Only Permit. The basis for the RAWP will be the results of the remedial investigation and the conclusions of the remedial investigation report which will identify what impacts exist, the spatial location and concentrations.

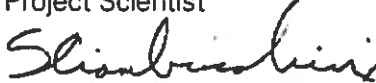
This Phase II was limited in scope to areas in the vicinity of the in-service UST and area of historical site operations of concern. The results of this investigation are not to be construed as indicative of the overall site conditions. Additional areas of impacts may exist at the site and may be encountered as part of any redevelopment/renovation activities. If encountered, additional areas of impacts would require additional investigation to determine the nature and extent of these impacts and may also trigger the need for regulatory reporting.

Sincerely,

**Langan Engineering, Environmental, Surveying
and Landscape Architecture, D.P.C.**



Amanda Forsburg, CHMM
Project Scientist



Steven A. Ciambuschini, PG, LEP
Principal / Vice President

AF:SAC:kn

Attachments: Tables 1 and 2
Figures 1 and 2
Attachment A – Soil Boring Logs
Attachment B – Groundwater Sampling Logs
Attachment C – Laboratory Analytical Data Packages

\\langan.com\data\PAR\data4\100674401\Project Data\Discipline\Environmental\Reports\2017-12 - Limited Phase II ESI Letter Report\Phase II
Subsurface Investigation Letter Report (FINAL 2017-12-11).docx

TABLES

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
Convent House
450 West 41st Street
New York, New York

[illegible]

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS

Comment House
460 West 41st Street
New York, New York

[illegible]

S&P Change Objectives are taken from the NYSEEC Subject 219-B Renewal Program. S&P Change Objectives are taken from the NYSEEC CSB and 375-B lists, last revised 14 December 2008 and the NYSEEC CSB & S&P Change Guidance issued 21 October 2010.

U The analysis was performed for: hot melt as described at a fixed Gaussian theory is equal to the level of the R_{eff} at the average transverse scan to locally expected for these circumstances.

^a Sample depth at latitudes 15.5 N, 15.9 N, and 15.9-16.1 N provided an estimate of the order of magnitude of the error in the depth of the thermocline. The approximate depth of the thermocline with respect to the depth of the thermocline is indicated by the vertical bars. The error in the depth of the thermocline is indicated by the vertical bars.

© 2000 Blackwell Science Ltd, *Journal of Internal Medicine* 247: 395–402

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Covenant House
460 West 41st Street
New York, New York

Sample ID: Laboratory Sample Number: Sampling Date: Units:	CAS Number	Ground Water Quality Standards ¹ ug/L	TW-1 17K0877-02 11/21/2017 ug/L Q	TW-2 17K0877-01 11/21/2017 ug/L Q	TW-3 17K0877-08 11/21/2017 ug/L Q	DUP-2 (TW-2) 17K0877-05 11/21/2017 ug/L Q
Volatle Organic Compounds (VOCs)						
1,1,1-Trichloroethane	71-55-6	5	0.2 U	0.2 U	0.2 U	0.2 U
1,1'-Biphenyl	92-52-4	5	1.92 U	1.92 U	NA	1.92 U
1,1-Dichloroethane	75-34-3	5	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	75-35-4	5	0.2 U	0.2 U	0.2 U	0.2 U
1,1,1-Trichloroethane	71-55-6	5	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2-Trichloroethane	79-00-5	1	0.2 U	0.2 U	0.2 U	0.2 U
1,1,1,2-Tetrachloroethane	630-20-6	5	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2,2-Tetrachloroethane	79-34-5	5	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichlorobenzene	95-50-1	3	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloroethane	107-06-2	0.6	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloroethane (cis)	156-59-2	5	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloroethane (trans)	156-60-5	5	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloropropane	78-87-5	1	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloropropane (cis)	10081-01-5	0.4	0.2 U	0.2 U	0.2 U	0.2 U
1,3-Dichlorobenzene	541-73-1	3	0.2 U	0.2 U	0.2 U	0.2 U
1,2,3-Trichlorobenzene	87-61-6	5	0.2 U	0.2 U	0.2 U	0.2 U
1,2,2-Trifluoroethane (113 Freon)	78-13-1	5	0.2 U	0.2 U	0.2 U	0.2 U
1,2,3-Trichloropropane	98-18-4	0.04	0.2 U	0.2 U	0.2 U	0.2 U
1,2,4-Trichlorobenzene	120-82-1	5	0.2 U	0.2 U	0.2 U	0.2 U
1,2,4-Trimethylbenzene	95-63-8	5	0.2 U	0.2 U	0.2 U	0.2 U
1,3,5-Trimethylbenzene	108-67-8	5	0.2 U	0.2 U	0.2 U	0.2 U
1,3-Dichloropropane (trans)	10081-02-8	0.4	0.2 U	0.2 U	0.2 U	0.2 U
1,3-Dichlorobenzene	541-73-1	3	0.2 U	0.2 U	0.2 U	0.2 U
1,4-Dichlorobenzene	106-46-7	3	0.2 U	0.2 U	0.2 U	0.2 U
1,4-Dioxane	123-91-1	—	40 U	40 U	40 U	40 U
2-Butanone	78-93-3	50	0.2 U	0.2 U	0.2 U	0.2 U
Acetone	67-64-1	50	3.11	1.92 J	0.2 U	2.41
Acrolein	107-02-8	5	0.2 U	0.2 U	0.2 U	0.2 U
Acrylonitrile	107-13-1	5	0.2 U	0.2 U	0.2 U	0.2 U
Benzene	71-43-2	1	0.2 U	0.2 U	0.2 U	0.2 U
Bromochloromethane	74-97-5	5	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	75-27-4	50	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	75-25-2	50	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane	74-83-9	5	0.2 U	0.2 U	0.2 U	0.2 U
n-Butylbenzene	104-51-8	5	0.2 U	0.2 U	0.2 U	0.2 U
Carbon Disulfide	75-15-0	50	0.2 U	0.2 U	0.26 J	0.2 U
Carbon tetrachloride	56-23-5	5	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	108-90-7	5	0.2 U	0.2 U	0.2 U	0.2 U
Chloroethane	75-00-3	5	0.2 U	0.2 U	0.2 U	0.2 U
Chloroform	67-68-3	7	0.2 U	0.2 U	0.2 U	0.2 U
Cyclohexane	110-82-7	—	0.2 U	0.2 U	0.2 U	0.2 U
Dibromochloromethane	124-48-1	50	0.2 U	0.2 U	0.2 U	0.2 U
Dibromomethane	74-95-3	5	0.2 U	0.2 U	0.2 U	0.2 U
Dichlorodifluoromethane	75-71-8	5	0.2 U	0.2 U	0.2 U	0.2 U
Ethylene Dibromide	106-93-4	0.0006	0.2 U	0.2 U	0.2 U	0.2 U
Hexachlorobutadiene	87-68-3	0.5	0.2 U	0.2 U	0.2 U	0.2 U
Hexachlorobenzene	118-74-1	0.04	0.0154 U	0.0154 U	NA	0.0154 U
2-Hexanone	591-78-6	50	0.2 U	0.2 U	0.2 U	0.2 U
Isopropyl Benzene	98-82-8	5	0.2 U	0.2 U	0.2 U	0.2 U
p-Isopropyltoluene	99-87-8	5	0.2 U	0.2 U	0.2 U	0.2 U
Methyl acetate	79-20-9	—	0.2 U	0.2 U	0.2 U	0.2 U
Methyl ethyl ketone (MEK / 2-butanone)	78-93-3	50	0.2 U	0.2 U	0.2 U	0.2 U
Methyl tert-butyl ether	1634-04-4	10	1.5	0.2 U	0.2 U	0.2 U
Methylene chloride	75-09-2	5	1 U	1 U	1 U	1 U
Methylcyclohexane	108-87-2	—	0.2 U	0.2 U	0.2 U	0.2 U
4-Methyl-2-Pentanone	108-10-1	—	0.2 U	0.2 U	0.2 U	0.2 U
Naphthalene	91-20-3	10	0.0385 U	0.115	NA	0.1
N-nitrosodiphenylamine	86-30-6	50	1.92 U	1.92 U	NA	1.92 U
Propylbenzene-n	103-65-1	5	0.2 U	0.2 U	0.2 U	0.2 U
Sec-Butylbenzene	135-98-8	5	0.2 U	0.2 U	0.2 U	0.2 U
Styrene	100-42-5	5	0.2 U	0.2 U	0.2 U	0.2 U
Tert Butyl Alcohol (TBA)	75-65-0	—	0.5 U	0.5 U	0.5 U	0.5 U
Tert-Butylbenzene	98-06-6	5	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachloroethane	127-18-4	5	0.2 U	0.2 U	0.2 U	0.2 U
Toluene	108-88-3	5	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethane	79-01-6	5	0.2 U	0.2 U	0.2 U	0.2 U
Trichlorofluoromethane (Freon 11)	75-69-4	5	0.2 U	0.2 U	0.2 U	0.2 U
Vinyl Chloride	75-01-4	2	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Xylene (o-Xylene)	95-47-6	5	0.2 U	0.2 U	0.2 U	0.2 U
m&p-Xylene	179801-23-1	5	0.5 U	0.5 U	0.5 U	0.5 U
Xylene (mixed)	1330-20-7	5	0.6 U	0.6 U	0.6 U	0.6 U

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Covenant House
460 West 41st Street
New York, New York

Sample ID	CAS Number	Ground Water Quality Standards ¹	TW-1 17K0877-02 11/21/2017		TW-2 17K0877-01 11/21/2017		TW-3 17K0877-06 11/21/2017		DUP-2 (TW-2) 17K0877-05 11/21/2017	
Laboratory Sample Number:			ug/L	Q	ug/L	Q	ug/L	Q	ug/L	Q
Sampling Date:										
Units:										
Semi-Volatile Organic Compounds (SVOCs)										
1,1'-Biphenyl	92-52-4	5	1.92	U	1.92	U	NA		1.92	U
1,2-Diphenylhydrazine (as Azobenzene)	122-86-7	—	1.92	U	1.92	U	NA		1.92	U
2-Chloronaphthalene	91-59-7	10	1.92	U	1.92	U	NA		1.92	U
2-Chlorophenol	95-57-8	—	1.92	U	1.92	U	NA		1.92	U
2-Methylnaphthalene	91-57-6	—	1.92	U	1.92	U	NA		1.92	U
2-Nitroaniline	88-74-4	5	1.92	U	1.92	U	NA		1.92	U
2-Nitrophenol	88-75-5	—	1.92	U	1.92	U	NA		1.92	U
2,4-Dichlorophenol	120-83-2	1	1.92	U	1.92	U	NA		1.92	U
2,4-Dimethylphenol	105-67-9	1	1.92	U	1.92	U	NA		1.92	U
2,4-Dinitrophenol	51-28-5	1	1.92	U	1.92	U	NA		1.92	U
2,4-Dinitrotoluene	121-14-2	5	1.92	U	1.92	U	NA		1.92	U
2,6-Dinitrotoluene	608-20-2	5	1.92	U	1.92	U	NA		1.92	U
3-Nitroaniline	99-09-2	5	1.92	U	1.92	U	NA		1.92	U
3,3'-Dichlorobenzidine	91-94-1	5	1.92	U	1.92	U	NA		1.92	U
3- & 4-Methylphenols	65794-98-9	1	1.92	U	1.92	U	NA		1.92	U
4-Nitroaniline	100-01-6	5	1.92	U	1.92	U	NA		1.92	U
4-Nitrophenol	100-02-7	1	3.85	U	3.85	U	NA		3.85	U
4,6-Dinitro-2-methylphenol	534-52-1	—	1.92	U	1.92	U	NA		1.92	U
Acenaphthene	83-32-9	20	0.0385	U	1.17		NA		1.22	
Acenaphthylene	208-96-8	—	0.0385	U	0.0385		NA		0.0385	
Atrazine	1912-24-9	7.5	0.385	U	0.385	U	NA		0.385	U
Anthracene	120-12-7	50	0.0385	U	0.338		NA		0.348	
Benidine	92-87-5	5	3.85	U	3.85	U	NA		3.85	U
Benzo(a)anthracene	56-55-3	0.002	0.0385	U	0.115		NA		0.0615	
Benzo(a)pyrene	50-32-8	ND	0.0385	U	0.0015		NA		0.0385	U
Benzo(b)fluoranthene	205-99-2	0.002	0.0385	U	0.0385		NA		0.0385	U
Benzo(g,h,i)perylene	191-24-2	—	0.0385	U	0.0385		NA		0.0385	U
Benzo(k)fluoranthene	207-08-9	0.002	0.0385	U	0.0385		NA		0.0385	U
Benzoic acid	65-85-0	—	19.2	U	19.2	U	NA		19.2	U
Benzyl alcohol	100-51-6	—	1.92	U	1.92	U	NA		1.92	U
Bis(2-chloroethoxy)methane	111-91-1	5	1.92	U	1.92	U	NA		1.92	U
bis(2-Chloroethyl)ether	111-44-4	1	0.769	U	0.769	U	NA		0.769	U
bis(2-Ethylhexyl)phthalate	117-81-7	5	0.385	U	0.385	U	NA		0.477	
4-Bromophenyl phenyl ether	101-55-3	—	1.92	U	1.92	U	NA		1.92	U
Butyl benzyl phthalate	85-68-7	50	1.92	U	1.92	U	NA		1.92	U
Carbazole	86-74-8	—	1.92	U	1.92	U	NA		1.92	U
4-Chlorophenyl phenyl ether	7005-72-3	—	1.92	U	1.92	U	NA		1.92	U
Chrysene	218-01-9	0.002	0.0385	U	0.105		NA		0.0630	
Dibenz(a,h)anthracene	53-70-3	—	0.0385	U	0.0385	U	NA		0.0385	U
Dibenzofuran	132-64-9	—	1.92	U	1.92	U	NA		1.92	U
Diethyl phthalate	84-66-2	50	1.92	U	1.92	U	NA		1.92	U
Dimethyl phthalate	131-11-3	50	1.92	U	1.92	U	NA		1.92	U
Di-n-butyl phthalate	84-74-2	50	1.92	U	1.92	U	NA		1.92	U
Di-n-octyl phthalate	117-84-0	50	1.92	U	1.92	U	NA		1.92	U
Fluoranthene	208-44-0	50	0.0385	U	0.623		NA		0.538	
Fluorene	86-73-7	50	0.0385	U	0.292		NA		0.323	
Hexachlorobenzene	118-74-1	0.04	0.0154	U	0.0154	U	NA		0.0154	U
Hexachlorocyclopentadiene	77-47-4	5	3.85	U	3.85	U	NA		3.85	U
Hexachloroethane	67-72-1	5	0.385	U	0.385	U	NA		0.385	U
Indeno(1,2,3-cd)pyrene	193-39-5	0.002	0.0385	U	0.0385	U	NA		0.0385	U
Isophorone	78-59-1	50	1.92	U	1.92	U	NA		1.92	U
Naphthalene	91-20-3	10	0.0385	U	0.115		NA		0.1	
Nitrobenzene	98-95-3	0.4	0.192	U	0.192	U	NA		0.192	U
N-Nitrosodimethylamine	82-75-9	—	0.385	U	0.385	U	NA		0.385	U
N-nitroso-di-n-propylamine	621-64-7	—	1.92	U	1.92	U	NA		1.92	U
n-Nitrosodiphenylamine	86-30-6	50	1.92	U	1.92	U	NA		1.92	U
o-Cresol(s) (2-Methylphenol)	95-48-7	1	1.92	U	1.92	U	NA		1.92	U
Pentachlorophenol	87-86-5	1	0.192	U	0.192	U	NA		0.192	U
Phenanthrene	85-01-8	50	0.0385	U	1.02		NA		1.1	
Phenol (total)	108-95-2	1	1.92	U	1.92	U	NA		1.92	U
Pyrene	129-00-0	50	0.0385	U	0.731		NA		0.623	

**TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS**

Covenant House
460 West 41st Street
New York, New York

Sample ID: Laboratory Sample Number: Sampling Date: Units:	CAS Number	Ground Water Quality Standards ¹ ug/L	TW-1 17K0877-02 11/21/2017 ug/L Q	TW-2 17K0877-01 11/21/2017 ug/L Q	TW-3 17K0877-06 11/21/2017 ug/L Q	DUP-2 (TW-2) 17K0877-05 11/21/2017 ug/L Q
Metals						
Aluminum	7429-90-5	—	26,400	23,600 D	NA	20,600 D
Antimony	7440-36-0	3	1.11 U	1.11 U	NA	1.11 U
Arsenic	7440-38-2	25	13.9	10.7	NA	9.57
Barium	7440-39-3	1000	1,430	1,930 D	NA	1,090 D
Beryllium	7440-41-7	3	7.45	4.51	NA	4.54
Cadmium	7440-43-9	5	0.667	0.556 U	NA	0.556 U
Calcium	7440-70-2	—	624,000	400,000 D	NA	346,000 D
Chromium	7440-47-3	50	95.2	55.6 U	NA	55.6 U
Chromium, Hexavalent	18540-29-9	50	10 U	10 U	NA	10 U
Copper	7440-50-8	200	3.51 B	33.3 U	NA	33.3 U
Iron	7439-89-6	300	257,000	93,100 D	NA	60,100 D
Lead	7439-92-1	25	277	92.8 D	NA	78.9 D
Magnesium	7439-95-4	35000	187,800	27,100 D	NA	23,200 D
Manganese	7439-96-5	300	16,100	7,470 D	NA	6,490 D
Mercury (elemental)	7439-97-6	0.7	0.2 U	0.2 U	NA	0.2 U
Molybdenum	7439-98-7	—	1.11 U	1.13	NA	1.29
Nickel	7440-02-0	100	5.56 U	55.6 U	NA	55.6 U
Potassium	7440-09-7	—	70,800 B	29,800 BD	NA	28,400 BD
Selenium	7782-49-2	10	38.6	28.7	NA	23.1
Silver	7440-22-4	50	5.56 U	55.6 U	NA	55.6 U
Sodium	7440-23-5	20000	339,000 B	779,000 BD	NA	719,000 BD
Thallium	7440-28-0	0.5	1.11 U	1.11 U	NA	1.11 U
Vanadium	7440-82-2	—	250	217 D	NA	182 D
Zinc	7440-66-6	2000	507	730 D	NA	610 D

NOTES:

1. DEC establishes water quality standards and other criteria for many specific substances and are found in NYS regulation 6 NYCRR Part 703.5 (current through August 31, 2017).

In the absence of established water quality standards, numeric guidance values are derived and compiled in Division of Water guidance (TOGS 1.1.1) (updated June 2004). Ambient standards and guidance values are supported by technical documents called "Fact Sheets" that are also available upon request from the NYSDEC.

<http://www.dec.ny.gov/chemical/23853.html>

<http://www.dec.ny.gov/regulations/2852.html>

ug/L: micrograms per liter

Exceedances of regulatory criteria are highlighted and bold.

Italicized results indicate the Reporting Limit (RL) is greater than or equal to the most stringent criteria.

— Indicates that no regulatory limit has been established for this analyte.

NA: Compound not analyzed

ND: Regulatory standard for a compound is considered an exceedance of the standard when the analyte is detected at any concentration.

Q is the Qualifier Column with definitions as follows:

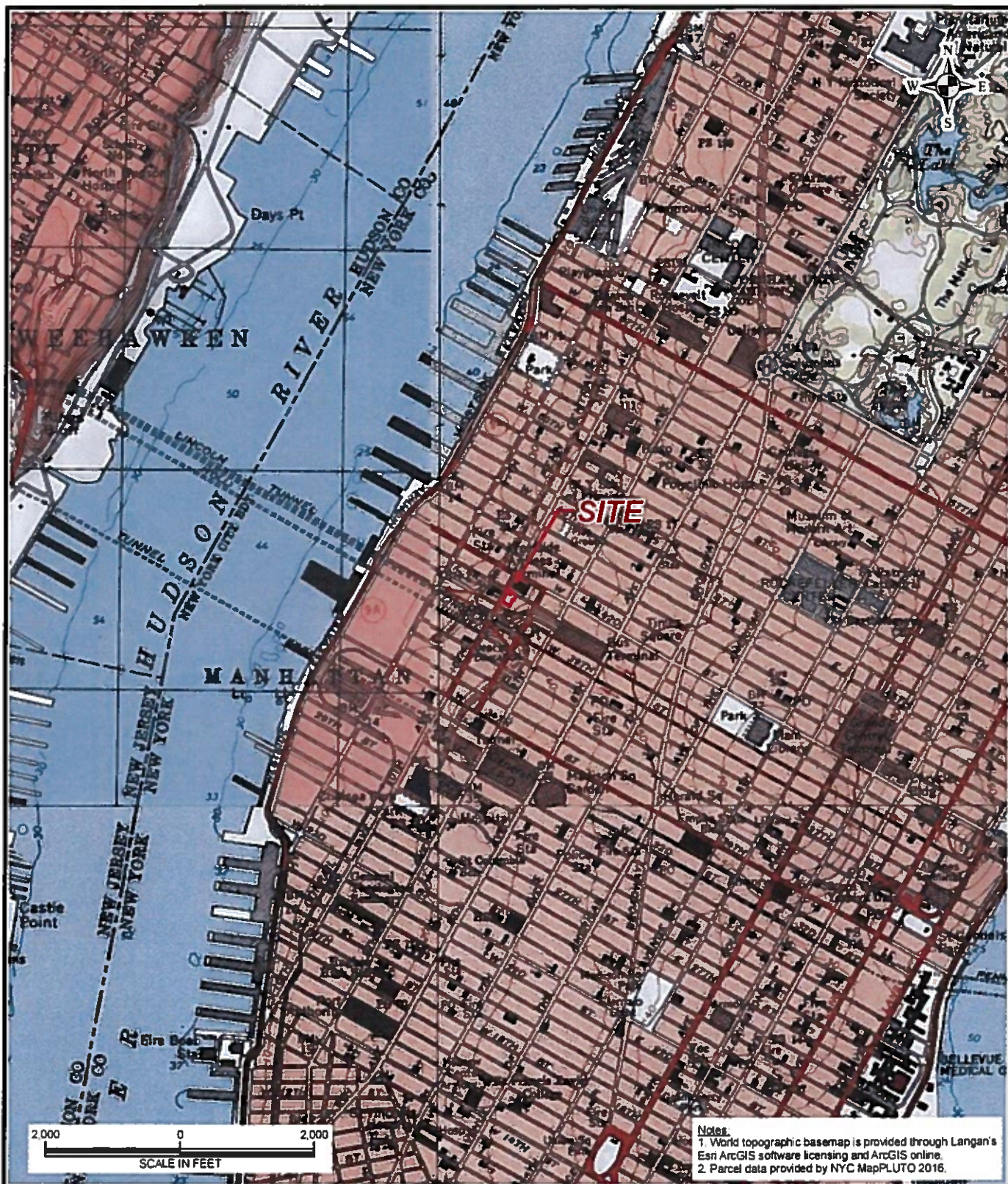
D: Result is from an analysis that required a dilution

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

U: Analyte not detected at or above the level indicated

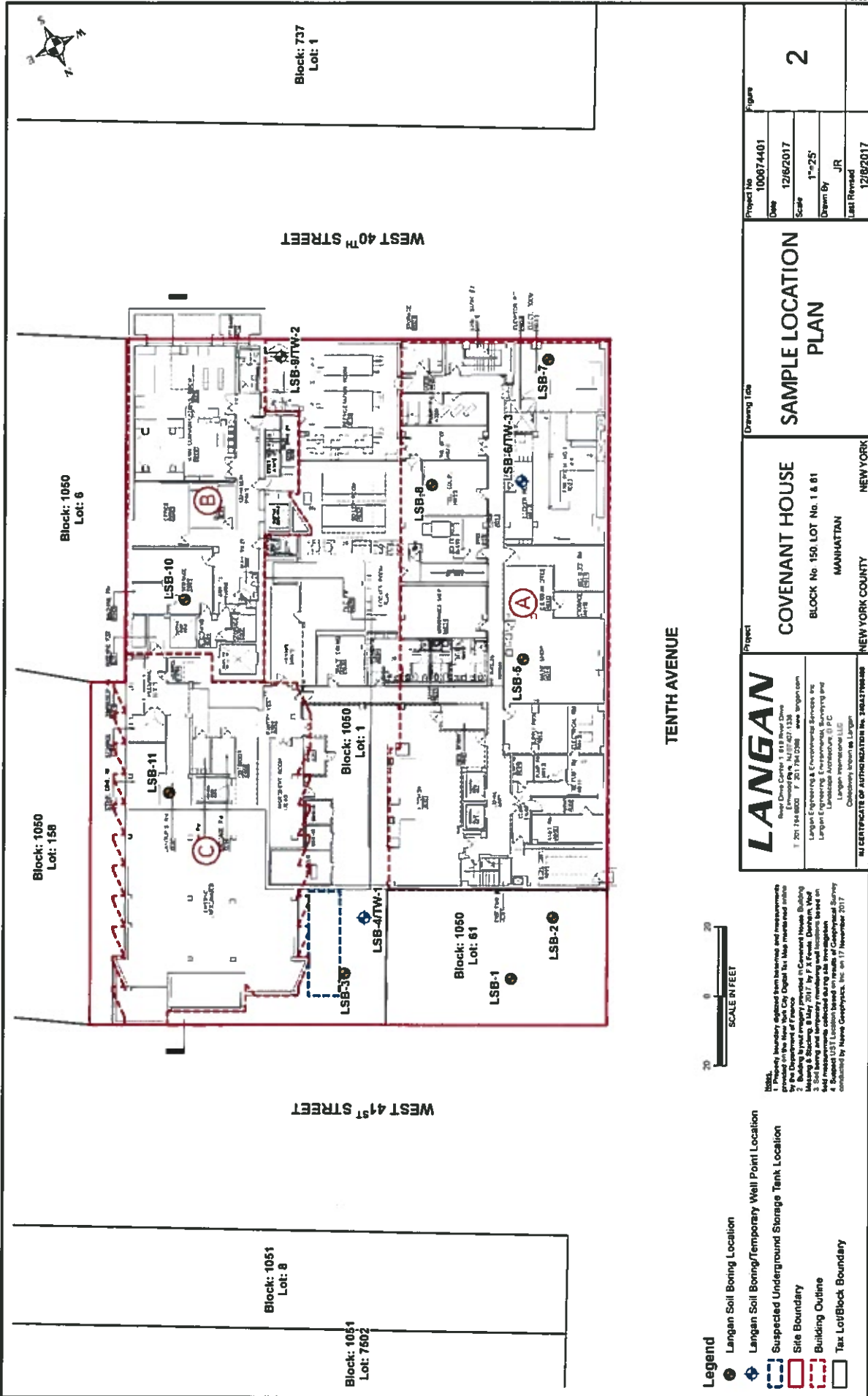
B: Analyte associated with a Batch Blank

FIGURES



Notes:
 1. World topographic basemap is provided through Langan's Esri ArcGIS software licensing and ArcGIS online.
 2. Parcel data provided by NYC MapPLUTO 2016.

LANGAN 300 Kimball Drive Parsippany, NJ 07054 T. 973.580.4900 F. 973.580.4901 www.langan.com Langan Engineering & Environmental Services, Inc. Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C. Langan International LLC Collectively known as Langan NJ CERTIFICATE OF AUTHORIZATION No. 240A27988400	Project COVENANT HOUSE BLOCK No. 1050, LOT No. 1 & 61 MANHATTAN NEW YORK COUNTY NEW YORK	Drawing Title SITE LOCATION MAP	Project No. 100674401 Date 12/8/2017 Scale 1"=2,000' Drawn By JR Submission Date 12/8/2017	Figure 1
---	---	---	--	--------------------



ATTACHMENT A

SOIL BORING LOGS

LANGAN

LOG OF BORING LSB-1

SHEET 1 OF 2

PROJECT <u>COVENANT HOUSE</u>		PROJECT NO. <u>100674401</u>	
LOCATION <u>460 W. 41st St</u>		ELEVATION AND DATUM <u>NEL +24' NAVD 83</u>	
DRILLING AGENCY <u>COASTAL ENVIRONMENTAL</u>		DATE STARTED <u>11/20/17</u>	DATE FINISHED <u>11/20/17</u>
DRILLING EQUIPMENT <u>Geoprobe 6610 DT</u>		COMPLETION DEPTH <u>20'</u>	ROCK DEPTH <u>NA</u>
SIZE AND TYPE OF BIT <u>2 1/2" DIA x 5' L MACROCORE</u>		NO. SAMPLES	DIST. <u>—</u> UNDIST. <u>4'</u> CORE <u>—</u>
CASING <u>2 1/2" DIA x 5' L MACROCORE</u>		WATER LEVEL	FIRST <u>17.5'</u> COMPL. <u>—</u> 24 HR. <u>—</u>
CASING HAMMER	WEIGHT <u>—</u>	DROP <u>—</u>	
SAMPLER <u>2" DIA x 5' L ACETATE LINED MACROCORE</u>		FOREMAN <u>COASTAL / MARK MOBLENSBERG</u>	
SAMPLER HAMMER		LOGGED BY <u>LANGAN / MATT OLESKE</u>	
	WEIGHT <u>—</u>	DROP <u>—</u>	

	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES				REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
			NO. LOC.	TYPE	RECOVER FT.	PENETR. RESIST. BLows	
	4" ASPHALT PAVEMENT.						
	0-15" Dark Br f→C SAND, tr. Asphalt, tr. f→m Gravel, tr. Plastic Debris (dry).	1					
	15-32" M. Br f→C SAND, some Concrete, tr. f→m Gravel.	2					
		3	1	DIRECT PUSH	32"	0.0	
		4					
	0-9" Cored through Red BRICK.	5					
	9-27" Lt to M. Br f→C SAND, some Red Brick, tr. f→m Gravel, tr. Concrete. (dry).	6					
		7					
		8	2	DIRECT PUSH	27"	0.0	
		9					
		10					
	0-24" Lt. to M. Br f→C SAND, tr. f→m Gravel, tr. weathered Mica Schist, tr. Red Brick, tr. brown Silt. (Dry).	11					
		12					
		13	3	DIRECT PUSH	24"	0.0	
		14					
		15					

LANGAN

JOB NO. <u>100674401</u>			LOG OF BORING NO.			
DATE <u>11/20/17</u>			SHEET <u>2</u> OF <u>2</u>			
SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES				REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
		NO. LOG.	TYPE	RECON. FT.	REMETL. RESIST. BLANK.	
0-16" Grayish Brown Silty SAND, tr. Red Brkls (moist).	16	4	DIRECT PUSH	29"	0.0	Collect Sample LSB-1 (15-17') VOC @ 16.5-17' 
16-29" Same as above 0-16" (WET).	17					
	18					
	19					
	20					END of Boring @ 20' bgs.
	21					
	22					
	23					
	24					
	25					

LANGAN

LOG OF BORING

LSB-2

SHEET 1 OF 2

PROJECT <u>COVENANT HOUSE</u>				PROJECT NO. <u>100674401</u>			
LOCATION <u>460 W. 41st St</u>				ELEVATION AND DATUM <u>NEL +24' NAVD 88</u>			
DRILLING AGENCY <u>COASTAL ENVIRONMENTAL</u>				DATE STARTED <u>11/20/17</u>		DATE FINISHED <u>11/20/17</u>	
DRILLING EQUIPMENT <u>Geoprobe G610 DT</u>				COMPLETION DEPTH <u>20'</u>		ROCK DEPTH <u>NA</u>	
SIZE AND TYPE OF BIT <u>2 1/2" DIA x 5' L MACROCORE</u>				NO. SAMPLES	DIST. <u>—</u>	UNDIST. <u>4</u>	CORE <u>—</u>
CASING <u>2 1/2" DIA x 5' L MACROCORE</u>				WATER LEVEL	FIRST <u>17.5</u>	COMPL. <u>—</u>	24 HR. <u>—</u>
CASING HAMMER	WEIGHT <u>—</u>	DROP <u>—</u>		FOREMAN <u>COASTAL / MARK MOELANDSEN</u>			
SAMPLER <u>2" DIA x 5' L ACTIVE LINED MACROCORE</u>				LOGGED BY <u>LANGAN / MATT OLESKE</u>			
SAMPLER HAMMER	WEIGHT <u>—</u>	DROP <u>—</u>					

SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES				REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
		NO. LOC.	TYPE	RECOV. FT.	REMARKS	
6" Asphalt Pavement.						
0-7" Dark Br. F→C SAND, tr. f-m Gravel, tr. Red Brick, tr. Asphalt. (DRY).	1	1	DIRECT PUSH	28"	0.0	
7-28" Grayst Brown F→C SAND, some f→C Gravel, tr. Red Brick, tr. Concrete. (DRY).	2					
	3					
	4					
	5					
0-18" Br. F→C SAND, some Red Brick, tr. f→m Gravel, tr. weathered Mica Schist Rock. (DRY).	6	2	DIRECT PUSH	18"	0.0	
	7					
	8					
	9					
0-10" Brown F→C SAND, tr. Br Silt, tr. f→m Gravel, tr. Red Brick.	10					
	11					
10-12" Weathered Mica SCHIST	12	3	DIRECT PUSH	24"	0.0	
12-24" Lt to M. Br F→C SAND, some Gray Silt, tr. f→m Gravel (DRY).	13					
	14					
	15					

LANGAN

JOB NO. 100674401

LOG OF BORING NO. LSB-2

DATE 11/20/17

SHEET 2 OF 2

	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES				REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
			NO. LOG.	TYPE	RECON. FT.	PENETR. RESIST. BLOW	
	0-16" Grayish Brown Silty SAND, tr. f→m Gravel (moist).	16					collect Sample LSB-2(15-17'), VOC @ 16-16.5'
	16-37" Same as above 0-16" (WET).	17					
		18	4	DIRECT PUSH	37"	0.0	E.O.B. @ 20' bgs.
		19					
		20					
		21					
		22					
		23					
		24					
		25					

LANGAN

LOG OF BORING LSB-3

SHEET 1 OF 2

PROJECT <u>COVENANT HOUSE</u>		PROJECT NO. <u>100674461</u>	
LOCATION <u>460 W. 41st St</u>		ELEVATION AND DATUM <u>NEL +24' NAVD 88</u>	
DRILLING AGENCY <u>COASTAL ENVIRONMENTAL -</u>		DATE STARTED <u>11/20/17</u>	DATE FINISHED <u>11/20/17</u>
DRILLING EQUIPMENT <u>Geoprobe 6610 DI</u>		COMPLETION DEPTH <u>20'</u>	ROCK DEPTH <u>NA</u>
SIZE AND TYPE OF BIT <u>2 1/8" DIA x 5' L RHTHROCAL</u>		NO. SAMPLES	DIST. <u>—</u> UNDIST <u>4</u> CORE <u>—</u>
CASING <u>2 1/8" DIA x 5' L MACROCORE</u>		WATER LEVEL	FIRST <u>17.5'</u> COMPL <u>—</u> 24 HR. <u>—</u>
CASING HAMMER	WEIGHT <u>—</u>	DROP <u>—</u>	
SAMPLER <u>2" DIA x 5' L ACETATE LINED MACROCORE</u>		FOREMAN <u>COASTAL / MARK MORLINCORN</u>	
SAMPLER HAMMER		LOGGED BY <u>LANGAN / MATT OLESKE</u>	
	WEIGHT <u>—</u>	DROP <u>—</u>	

	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES					REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
			NO. LOC.	TYPE	RECOV. FT.	REMETR. RECOVERED BULKAL		
	5" ASPHALT PAVEMENT.							
	0-9" CONCRETE, some F-C Gravel.	1						
	9-20" Lt. to M. Br. F-C SAND, tr. Asphalt, tr. Red Brick. (DRY).	2	1	DIRECT PUSH	20"	0.0		
		3						
		4						
		5						
	0-11" Grayish Brown F-C SAND, some Red Brick, tr. Concrete, tr. f-m Gravel (Dry).	6						
	11-25" Lt. to M. Br. F-C SAND, tr. f-m Gravel, tr. Red Brick, tr. Asphalt, tr. Concrete (DRY).	7	2	DIRECT PUSH	25"	0.0		
		8						
		9						
		10						
	0-17" M. Brown Silty SAND, tr. f-m Gravel, tr. Red Brick,	11						
	17-26" Grayish Brown Silty SAND, tr. f-m Gravel, tr. weathered Mica Schist Rock, (DRY).	12	3	DIRECT PUSH	26"	0.0		
		13						
		14						

LANGAN

JOB NO. 100674401

DATE 11/20/17

LOG OF BORING NO. LSB-3

SHEET 2 OF 2

	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES				REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
			NO. LOC.	TYPE	RECON. FT.	MINUTE PENET. BLU IN.	
	0-16" Grayish Brown Silty SAND, tr. fm Gravel (moist)	16	4	DIRECT PUSA	28"	00	Collect Sample LSB-3 (15-17) VOC @ 16.5-17' E.O.B. @ 20' bgs.
	16-28" Same as above 0-16" (WET)	17					
		18					
		19					
		20					
		21					
		22					
		23					
		24					
		25					

LANGAN

LOG OF BORING LSB-4 SHEET 1 OF 2

PROJECT <u>COVENANT HOUSE</u>			PROJECT NO. <u>100674401</u>		
LOCATION <u>460 W. 41st St</u>			ELEVATION AND DATUM <u>NEL +24' NAVD 88</u>		
DRILLING AGENCY <u>COASTAL ENVIRONMENTAL</u>			DATE STARTED <u>11/20/17</u>		DATE FINISHED <u>11/20/17</u>
DRILLING EQUIPMENT <u>Geoprobe 6610 DT</u>			COMPLETION DEPTH <u>23'</u>		ROCK DEPTH <u>NA</u>
SIZE AND TYPE OF BIT <u>2 1/2" DIA x 5' L MACROCORE</u>			NO. SAMPLES	DIST. <u>—</u>	UNDIST. <u>5</u>
CASING <u>2 1/2" DIA x 5' L MACROCORE</u>			WATER LEVEL	FIRST <u>17.5'</u>	COMPL. <u>—</u>
CASING HAMMER	WEIGHT <u>—</u>	DROP <u>—</u>	FOREMAN <u>COASTAL / MARK MOFFATT</u>		
SAMPLER <u>2" DIA x 5' L ACETATE LINED MACROCORE</u>			LOGGED BY <u>LANGAN / MATT OLESKE</u>		
SAMPLER HAMMER	WEIGHT <u>—</u>	DROP <u>—</u>			

	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES					REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
			NO. LOG.	TYPE	RECOVER FT.	PENETR. RESIST. SURF.	PID (R ²)	
	6" ASPHALT PAVEMENT.							
	0-14" CONCRETE, some F→C Gravel.	1						
	14-24" Lt to M. Br F→C SAND.	2						
	tr. f→M Gravel, tr. Red Brick, (dry).	3						
		4						
		5						
	0-9" Lt. to M. Br. F→C SAND,	6						
	tr. Asphalt, tr. Red Brick,	7						
	tr. Concrete.	8						
		9						
	9-19" M br. F→C SAND, tr. Br.	10						
	Silt, tr. Concrete, tr. Red Brick,	11						
	tr. f→M Gravel (dry).	12						
		13						
	0-7" Lt. to M. Br. F→C SAND,	14						
	some Red Brick, tr. f→M Gravel.	15						
	7-24" Grayish Brown f→C SAND,							
	tr. Gray Silt, tr. f→m Gravel,							
	tr. Red Brick (dry).							

LANGAN

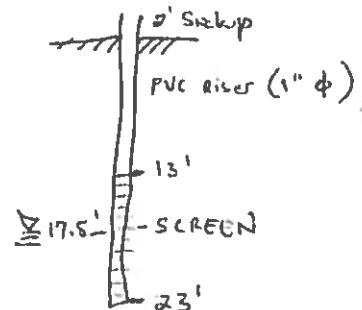
JOB NO. 100674401

DATE 11/20/17

LOG OF BORING NO. LSB-4

SHEET 2 OF 2

	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES				REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
			NO. LOC.	TYPE	RECON. FT.	PENETR. RESIST. BL/6 IN.	
	0-16" Grayish Brown Silty SAND, tr. F→M Gravel (moist)	16	4	DIRECT PUSH	40"	0.0	Collect Sample LSB-4(15-17) VOC @ 16.5-17'
	16-40" Grayish Brown Silty SAND, tr. F→M Gravel, tr. Wood, tr. Red Brick (WET)	17					
		18					
		19					
		20	5	DIRECT PUSH	22"	0.0	E.O.B. @ 23' bgs. 5' Below observed DTW. Install 1" dia PVC Temp. Well TW-1
	0-22" Same as above 16-40" (WET)	21					
		22					
		23					
		24					
		25					



PROJECT <u>COVENANT HOUSE</u>			PROJECT NO <u>100674401</u>		
LOCATION <u>460 W. 41st St</u>			ELEVATION AND DATUM <u>NEL +24' NAVD 88</u>		
DRILLING AGENCY <u>COASTAL ENVIRONMENTAL</u>			DATE STARTED <u>11/21/17</u>		DATE FINISHED <u>11/21/17</u>
DRILLING EQUIPMENT <u>Geoprobe Pneumatic Hammer Limited Access</u>			COMPLETION DEPTH <u>3.5</u>		ROCK DEPTH <u>3.5</u>
SIZE AND TYPE OF BIT <u>2 1/2" Dia x 3' L MACROCORE</u>			NO. SAMPLES	DIST. <u>—</u>	UNDIST. <u>2</u> CORE <u>—</u>
CASING <u>2 1/2" DIA x 3' L MACROCORE</u>			WATER LEVEL	FIRST <u>—</u>	COMPL. <u>—</u> 24 HR. <u>—</u>
CASING HAMMER	WEIGHT <u>—</u>	DROP <u>—</u>	FOREMAN <u>COASTAL / MARK MOBLENSON</u>		
SAMPLER <u>2" Dia x 3' L ACETATE LINED MACROCORE</u>	LOGGED BY <u>LANGAN / MATT OLESKE</u>				
SAMPLER HAMMER	WEIGHT <u>—</u>	DROP <u>—</u>			

	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES				REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
			NO. LOC.	TYPE	RECOVER FT.	PENETR. RESIST. BLG IN.	
	10" CONCRETE Floor SLAB.						
	0-6" CONCRETE, some F→M Gravel (DRY).	1		DIRECT Push	30"	0.0	Collected LSB-S(1-3) VOC @ 2.5-3'
	6-30" Lt Br. F→C SAND, tr. Red Brick, tr. f-m Gravel (DRY)	2					
	0-6" Weathered Mica SCHIST (dry).	3	2		6"	0.0	
		4					END of Boring @ 3.5' bgs. Refused on Mica Schist Rock.
		5					
		6					
		7					
		8					
		9					
		10					
		11					
		12					
		13					
		14					

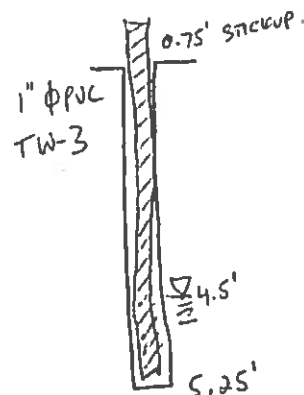
LANGAN

LOG OF BORING LSB-6

SHEET 1 OF 1

PROJECT <u>COVENANT HOUSE</u>			PROJECT NO. <u>100674401</u>		
LOCATION <u>460 W. 41st St</u>			ELEVATION AND DATUM <u>NEL +24' NAVD 88</u>		
DRILLING AGENCY <u>COASTAL ENVIRONMENTAL</u>			DATE STARTED <u>11/21/17</u>		DATE FINISHED <u>11/21/17</u>
DRILLING EQUIPMENT <u>Geoprobe 420M</u>			COMPLETION DEPTH <u>5.25'</u>		ROCK DEPTH <u>5.25'</u>
SIZE AND TYPE OF BIT <u>2 1/2" DIA x 3' L MACROCORE</u>			NO. SAMPLES	DIST. <u>—</u>	UNDIST. <u>2</u>
CASING <u>2 1/2" DIA x 3' L MACROCORE</u>			WATER LEVEL	FIRST <u>4.5</u>	COMPL. <u>—</u>
CASING HAMMER	WEIGHT <u>—</u>	DROP <u>—</u>	FOREMAN <u>COASTAL / MARK MORLINCROW</u>		
SAMPLER <u>2" DIA x 3' L ACETATE LINED MACROCORE</u>	LOGGED BY <u>LANGAN / MATT OLESKE</u>				
SAMPLER HAMMER	WEIGHT <u>—</u>	DROP <u>—</u>			

SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES				REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
		NO. LOG.	TYPE	RECON. FT.	PERCENT. RECON. BURN	
CORE DRILL THROUGH 10" CONCRETE						
0-12" Light to medium Brown F→C SAND, tr. F→M Gravel, tr Red Brick. (Dry).	1	1	DIRECT PUSH	36"	0.0	Odor @ 1' to 3' bgs. Collect Sample LSB-6 (1-3) from 1'-3' bgs VOC grab @ 2'-2.5' bgs.
12-36" Dark Brown f→C SAND, tr. F→M Gravel, tr Red Brick (Dry).	2				0.0	
					32.0	
					67.0	
					97.0	
	3				104.0	
					82.0	
					15.0	
0-6" Lt to M. Brown f→C SAND, tr. F→M Gravel, tr Red Brick, tr. Gray Silt (moist).	4	2	DIRECT PUSH	20"	3.0	END OF BORING @ 5.25' bgs. Refusal on Micro Schist Rock
6-20" Lt to M. Brown f→C SAND, some Gray Silt, tr. F. Gravel. (wet @ 18" to 20").	5				1.8	
					0.0	
					0.0	
					0.0	
	6				0.0	
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					



LANGAN

LOG OF BORING LSB-7 SHEET 1 OF 1

PROJECT <u>COVENANT HOUSE</u>		PROJECT NO. <u>100674401</u>	
LOCATION <u>460 W. 41st St</u>		ELEVATION AND DATUM <u>NEL +24' NAVD 88</u>	
DRILLING AGENCY <u>COASTAL ENVIRONMENTAL</u>		DATE STARTED <u>11/20/17</u>	DATE FINISHED <u>11/20/17</u>
DRILLING EQUIPMENT <u>Geoprobe 420 M</u>		COMPLETION DEPTH <u>2.5'</u>	ROCK DEPTH <u>2.5'</u>
SIZE AND TYPE OF BIT <u>2 1/2" dia x 3' L MACROCORE</u>		NO. SAMPLES	DIST. <u>—</u> UNDIST. <u>1</u> CORE <u>—</u>
CASING <u>2 1/2" DIA x 3' L MACROCORE</u>		WATER LEVEL	FIRST <u>—</u> COMPL. <u>—</u> 24 HR. <u>—</u>
CASING HAMMER	WEIGHT <u>—</u>	DROP <u>—</u>	
SAMPLER <u>2" DIA x 3' L ACETATE LINED MACROCORE</u>		FOREMAN <u>COASTAL / MARK MOBLENCROW</u>	
SAMPLER HAMMER		LOGGED BY <u>LANGAN / MATT OLESKE</u>	

SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES				REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
		NO. LOC.	TYPE	RECON. FT.	DEPTH (ft.)	
7" Thick Concrete Slab 0-20" H. Br. f→C SAND, tr. f-m Gravel, tr. Concrete, tr. Weathered Mica Schist Rock (DRY).	1	—	Direct Push	20"	0.0	Collect Sample LSB-7(0-2) VOC @ 1.5-2'
	2					
	3					Refusal on Mica Schist Rock @ 2.5' bgs.
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					

LANGAN

LOG OF BORING LSB-8 SHEET 1 OF 1

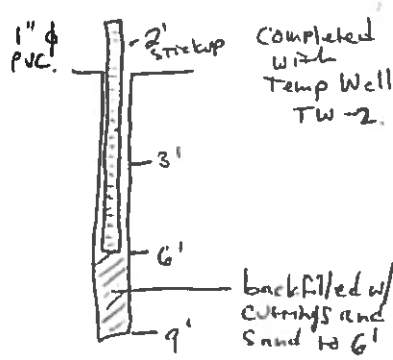
PROJECT <u>COVENANT HOUSE</u>		PROJECT NO. <u>100674401</u>	
LOCATION <u>460 W. 41st St</u>		ELEVATION AND DATUM <u>NEL +24' NAVD 88</u>	
DRILLING AGENCY <u>COASTAL ENVIRONMENTAL</u>		DATE STARTED <u>11/20/17</u>	DATE FINISHED <u>11/20/17</u>
DRILLING EQUIPMENT <u>Geoprobe 420M</u>		COMPLETION DEPTH <u>2.5</u>	ROCK DEPTH <u>2.5</u>
SIZE AND TYPE OF BIT <u>2 1/2" DIA x 3' L MACROCORE</u>		NO. SAMPLES	DIST. — UNDIST. 1 CORE —
CASING <u>2 1/2" DIA x 3' L MACROCORE</u>		WATER LEVEL	FIRST — COMPL. — 24 HR. —
CASING HAMMER	WEIGHT —	DROP —	
SAMPLER <u>2" DIA x 3' L ACETATE LINED MACROCORE</u>		FOREMAN <u>COASTAL / MARK MORLANDSEN</u>	
SAMPLER HAMMER		LOGGED BY <u>LANGAN / MATT OLESKE</u>	

	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES				REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
			NO. LOC.	TYPE	RECOV. FT.	PENETR. RESIST. BLOW	
	6" Concrete Slab.						
	0-16" Lt Br. F-C SAND, tr. Red Bricks	1		Direct Push	16"	80	Collect LSB-8 (0-2) VOC @ 1.5-2'
	tr. f-m Gravel, tr. Granite (Dry).	2					
		3					E.O.B. @ 2.5' bgs. Refusal on Granite.
		4					
		5					
		6					
		7					
		8					
		9					
		10					
		11					
		12					
		13					
		14					

LANGAN

LOG OF BORING LSB-9 SHEET 1 OF 1

PROJECT <u>COVENANT HOUSE</u>		PROJECT NO. <u>100674401</u>	
LOCATION <u>460 W. 41st St</u>		ELEVATION AND DATUM <u>NEL +24' NAVD 88 (BSMT)</u>	
DRILLING AGENCY <u>COASTAL ENVIRONMENTAL</u>		DATE STARTED <u>11/20/17</u>	DATE FINISHED <u>11/20/17</u>
DRILLING EQUIPMENT <u>Geoprobe 420 M</u>		COMPLETION DEPTH <u>9'</u>	ROCK DEPTH <u>9'</u>
SIZE AND TYPE OF BIT <u>2 1/2" DIA x 3' L MACROCORE</u>		NO. SAMPLES	DIST. <u>—</u> UNDIST. <u>3</u> CORE <u>—</u>
CASING <u>2 1/2" DIA x 3' L MACROCORE</u>		WATER LEVEL	FIRST <u>1'</u> COMPL <u>—</u> 24 HR. <u>1'</u>
CASING HAMMER	WEIGHT <u>—</u>	DROP <u>—</u>	
SAMPLER <u>2" DIA x 3' L ACETATE LINED MACROCORE</u>		FOREMAN <u>COASTAL/MARK MOBERGHEIM</u>	
SAMPLER HAMMER		LOGGED BY <u>LANGAN/MATT OLESKE</u>	
		WEIGHT <u>—</u> DROP <u>—</u>	

SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES				REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
		NO. LOG.	TYPE	RECOV. FT.	PENETR. RESIST. BL/6 IN.	
6" Reinforced Concrete Slab						COLLECT SAMPLE LSB-9 (0-2) VOL @ 0.5-1'
0-3" Grayish Brown Sandy SILT, tr. F-m Gravel, tr. Red Brick (moist)	1	1	DIRECT PUSH	12"		
3-12" Dark Br. f-c SAND, tr. F-m Gravel, tr. Gray Silt, tr. Red Brick (WET)	2					
	3					
0-36" Grayish Brown Sandy SILT, tr. Wood, tr. F-m Gravel (wet)	4	2	DIRECT PUSH	36"		
	5					
	6					
0-36" Same as above 0-36"	7	3	DIRECT PUSH	36"		
	8					
	9					EOB @ 9' bgs (basement floor slab), Refusal on mica schist on top of Macrocore.
	10					
	11					
	12					
	13					
	14					

LANGAN

LOG OF BORING LSB-10 SHEET 1 OF 1

PROJECT <u>COVENANT HOUSE</u>		PROJECT NO. <u>100674401</u>	
LOCATION <u>460 W. 41st St</u>		ELEVATION AND DATUM <u>NEL +24' NAVD 88</u>	
DRILLING AGENCY <u>COASTAL ENVIRONMENTAL</u>		DATE STARTED <u>11/21/17</u>	DATE FINISHED <u>11/21/17</u>
DRILLING EQUIPMENT <u>Geoprobe PNEUMATIC Hammer Limited Access</u>		COMPLETION DEPTH <u>3.25</u>	ROCK DEPTH <u>3.25</u>
SIZE AND TYPE OF BIT <u>2 1/8" DIA x 3' L Macrocore</u>		NO. SAMPLES	DIST. <u>—</u> UNDIST. <u>2</u> CORE <u>—</u>
CASING <u>2 1/8" DIA x 3' L MACROCORE</u>		WATER LEVEL	FIRST <u>—</u> COMPL. <u>—</u> 24 HR. <u>—</u>
CASING HAMMER	WEIGHT <u>—</u>	DROP <u>—</u>	
SAMPLER <u>2" DIA x 3' L ACETATE LINED MACROCORE</u>		FOREMAN <u>COASTAL / MARK MORLANDER</u>	
SAMPLER HAMMER		LOGGED BY <u>LANGAN / MATT OLESKE</u>	
SAMPLER HAMMER	WEIGHT <u>—</u>	DROP <u>—</u>	

SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES				REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
		NO. LOC.	TYPE	RECOV. FT.	PENETR. RESIST. BL/BL.	
8" Reinforced Concrete Floor 0-32" Lt Br. F-C SAND, tr. f-m Gravel. (DRY)	1		DIRECT PUSH			Collect Sample LSB-10(1-3) VOC @ 2.5-3'
	2	1		32"	0.0	
	3	2	NA	0.0		E.O.B. @ 3.25' bgs. Refusal on Quartz Rock. - Quartz Rock in tip of macrocore.
	4					
	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					

LANGAN

LOG OF BORING LSB-11 SHEET 1 OF 1

PROJECT <u>COVENANT HOUSE</u>			PROJECT NO. <u>100674401</u>		
LOCATION <u>460 W. 41st St</u>			ELEVATION AND DATUM <u>NEL +24' NAVD 88</u>		
DRILLING AGENCY <u>COASTAL ENVIRONMENTAL</u>			DATE STARTED <u>11/21/17</u>		DATE FINISHED <u>11/21/17</u>
DRILLING EQUIPMENT <u>Geoprobe 420 M</u>			COMPLETION DEPTH <u>3.25</u>		ROCK DEPTH <u>3.25</u>
SIZE AND TYPE OF BIT <u>2 1/2" DIA x 3' L MACROCORE</u>			NO. SAMPLES	DIST. <u>—</u>	UNDIST. <u>1</u>
CASING <u>2 1/2" DIA x 3' L MACROCORE</u>			WATER LEVEL FIRST <u>—</u> COMPL. <u>—</u> 24 HR. <u>—</u>		
CASING HAMMER	WEIGHT <u>—</u>	DROP <u>—</u>	FOREMAN <u>COASTAL/MARK MOHLGREN</u>		
SAMPLER <u>2" DIA x 3' L ACETATE LINED MACROCORE</u>	LOGGED BY <u>LANGAN/MATT OLESKE</u>				
SAMPLER HAMMER	WEIGHT <u>—</u>	DROP <u>—</u>			

	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES				REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
			NO. LOC.	TYPE	RECOVERED FT.	PENETR. RESIST. BLANK	
	8" Concrete Floor Slab						
	0-28" M.Br. f-c SAND,	1					Collect Sample
	tr. Red Brick, tr. f-m Gravel,	2					LSB-11(1-3)
	tr. weathered Green Schist.	3					VOC @ 2-2.5'
	(DRY).	4					
		5					
		6					
		7					
		8					
		9					
		10					
		11					
		12					
		13					
		14					

E.O.B @ 3.25' bgs.
Refusal on Green Schist
Rock.

ATTACHMENT B

GROUNDWATER SAMPLING LOGS

LOW FLOW SAMPLING FIELD PARAMETER MEASUREMENTS

Project:	Insect House	Site Location:	460 W. 41 st St NY NY	Well No:	TH-1	Date:	11/21/17
Job Number:	100674401	Weather:	40°F Windy	Sampler(s):	CG		
Initial DTW (ft):	15.9	Well Depth (ft):	23'	Pump Depth (ft):	19'		

TIME	TEMP. °C	pH (std. Units)	ORP (mV)	COND. (mS/cm)	Turbidity (NTU)	DO (mg/L)	DTW (ft)	Q (mL/m)	NOTES color, odor etc.
1300	14.5	7.33	-114	3.00	963	3.49	15.9	~100	No odor, No taste
1305	15.02	7.31	-116	2.93	1020	2.19	15.9		
1310	15.16	7.31	-116	2.97	982	1.93	15.9		
1315	15.21	7.31	-117	2.96	942	1.61	15.9		
1320	15.36	7.31	-118	2.96	874	1.34	15.9		
1325	15.91	7.28	-119	3.00	771	0.81	15.9		
1330	16.02	7.26	-121	3.02	676	0.52	15.9		
1335	16.33	7.28	-121	3.06	566	0.42	15.9		
1340	16.40	7.23	-122	3.09	530	0.43	15.9		
1345	16.69	7.19	-122	3.12	553	0.00	15.9		
1350	16.69	7.18	-122	3.14	573	0.00	15.9		
1355	16.49	7.14	-121	3.19	569	0.00	-	~100	STABILIZED Sample @ 14°C

Notes:

Collect Sample TW-1 @ 1400

LOW FLOW SAMPLING FIELD PARAMETER MEASUREMENTS

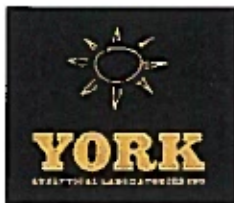
Project:	Greenat House	Site Location:	960 W. 41st St NW, NY	Well No:	TW-2	Date:	11/21/2017
Job Number:	100674461	Weather:	40°F, Windy.	Samples:	(Gr (Landfill))		
Initial DTW (ft):	0.9'	Well Depth (ft):	6'	Pump Depth (ft):	3.5'		

[illegible]**Notes:**

Collect Sample TW-2 @ Q30 DUP-2 @ Q50

ATTACHMENT C

LABORATORY ANALYTICAL PACKAGES



Technical Report

prepared for:

Langan Engineering & Environmental Services (NJ)
300 Kimball Drive
Parsipanny NJ, 07054
Attention: Amanda Forsburg

Report Date: 11/30/2017
Client Project ID: 100674401 460 West 41st St.
York Project (SDG) No.: 17K0876

Revision No. 1.0

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

120 RESEARCH DRIVE
www.YORKLAB.com

STRATFORD, CT 06615
(203) 325-1371

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

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 11/30/2017
Client Project ID: 100674401 460 West 41st St.
York Project (SDG) No.: 17K0876

Langan Engineering & Environmental Services (NJ)
300 Kimball Drive
Parsipanny NJ, 07054
Attention: Amanda Forsburg

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 November 21, 2017 and listed below. The project was identified as your project: **100674401 460 West 41st St..**

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

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

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

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
17K0876-01	LSB-4 (15-17)	Soil	11/20/2017	11/21/2017
17K0876-02	LSB-3 (15-17)	Soil	11/20/2017	11/21/2017
17K0876-03	LSB-1 (15-17)	Soil	11/20/2017	11/21/2017
17K0876-04	LSB-2 (15-17)	Soil	11/20/2017	11/21/2017
17K0876-05	LSB-9 (0-2)	Soil	11/20/2017	11/21/2017
17K0876-06	LSB-8 (0-2)	Soil	11/20/2017	11/21/2017
17K0876-07	LSB-7 (0-2)	Soil	11/20/2017	11/21/2017
17K0876-08	LSB-5 (1-3)	Soil	11/21/2017	11/21/2017
17K0876-09	DUP-1	Soil	11/21/2017	11/21/2017
17K0876-10	LSB-6 (1-3)	Soil	11/21/2017	11/21/2017
17K0876-11	LSB-11 (1-3)	Soil	11/21/2017	11/21/2017
17K0876-12	LSB-10 (1-3)	Soil	11/21/2017	11/21/2017
17K0876-13	FB-1	Water	11/21/2017	11/21/2017
17K0876-14	TB-1	Water	11/21/2017	11/21/2017

General Notes for York Project (SDG) No.: 17K0876

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

Approved By:



Benjamin Gulizia
Laboratory Director

Date: 11/30/2017





Sample Information

Client Sample ID: LSB-4 (15-17)

York Sample ID: 17K0876-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Soil

November 20, 2017 9:15 am

11/21/2017

VOA, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058	11/29/2017 07:30	11/29/2017 12:52	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058	11/29/2017 07:30	11/29/2017 12:52	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.045	0.090	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS



Sample Information

Client Sample ID: LSB-4 (15-17)

York Sample ID: 17K0876-01

York Project (SDG) No.

17K0876

Client Project ID

100674401 460 West 41st St.

Matrix

Soil

Collection Date/Time

November 20, 2017 9:15 am

Date Received

11/21/2017

VOA, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
67-64-1	Acetone	0.0084	CCV-E, SCAL- E, J	mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
71-43-2	Benzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS



Sample Information

Client Sample ID: LSB-4 (15-17)

York Sample ID: 17K0876-01

York Project (SDG) No.

17K0876

Client Project ID

100674401 460 West 41st St.

Matrix

Soil

Collection Date/Time

November 20, 2017 9:15 am

Date Received

11/21/2017

VOA, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0045	0.0090	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
100-42-5	Styrene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
108-88-3	Toluene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:52	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058	11/29/2017 07:30	11/29/2017 12:52	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	100 %	77-125								
2037-26-5	Surrogate: Toluene-d8	99.3 %	85-120								



Sample Information

Client Sample ID: LSB-4 (15-17)

York Sample ID: 17K0876-01

York Project (SDG) No.

17K0876

Client Project ID

100674401 460 West 41st St.

Matrix

Soil

Collection Date/Time

November 20, 2017 9:15 am

Date Received

11/21/2017

VOA, 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
460-00-4	Surrogate: <i>p</i> -Bromofluorobenzene	94.8 %			76-130						

SVOA, 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		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.101	0.201	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.101	0.201	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.101	0.201	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.101	0.201	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR



Sample Information

Client Sample ID: LSB-4 (15-17)

York Sample ID: 17K0876-01

York Project (SDG) No.

17K0876

Client Project ID

100674401 460 West 41st St.

Matrix

Soil

Collection Date/Time

November 20, 2017 9:15 am

Date Received

11/21/2017

SVOA, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 12:49	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 12:49	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications:	11/28/2017 06:42 NELAC-NY10854,NJDEP,PADEP	11/28/2017 12:49	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.101	0.201	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 12:49	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.101	0.201	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 12:49	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 12:49	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 12:49	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 12:49	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 12:49	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.101	0.201	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 12:49	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.101	0.201	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 12:49	SR
83-32-9	Acenaphthene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 12:49	SR
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 12:49	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications:	11/28/2017 06:42 NELAC-NY10854,NJDEP,PADEP	11/28/2017 12:49	SR
62-53-3	Aniline	ND		mg/kg dry	0.202	0.403	2	EPA 8270D Certifications:	11/28/2017 06:42 NELAC-NY10854,NJDEP,PADEP	11/28/2017 12:49	SR
120-12-7	Anthracene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 12:49	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications:	11/28/2017 06:42 NELAC-NY10854,NJDEP,PADEP	11/28/2017 12:49	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications:	11/28/2017 06:42 NELAC-NY10854,NJDEP,PADEP	11/28/2017 12:49	SR
92-87-5	Benzidine	ND		mg/kg dry	0.202	0.403	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 12:49	SR
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 12:49	SR
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 12:49	SR
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 12:49	SR
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 12:49	SR



Sample Information

Client Sample ID: LSB-4 (15-17)

York Sample ID: 17K0876-01

York Project (SDG) No.

17K0876

Client Project ID

100674401 460 West 41st St.

Matrix

Soil

Collection Date/Time

November 20, 2017 9:15 am

Date Received

11/21/2017

SVOA, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.101	0.201	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
86-74-8	Carbazole	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
218-01-9	Chrysene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
206-44-0	Fluoranthene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
86-73-7	Fluorene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR



Sample Information

Client Sample ID: LSB-4 (15-17)

York Sample ID: 17K0876-01

York Project (SDG) No.

17K0876

Client Project ID

100674401 460 West 41st St.

Matrix

Soil

Collection Date/Time

November 20, 2017 9:15 am

Date Received

11/21/2017

SVOA, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
85-01-8	Phenanthrene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
108-95-2	Phenol	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
129-00-0	Pyrene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 12:49	SR
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: 2-Fluorophenol	64.1 %			20-108						
4165-62-2	Surrogate: Phenol-d5	64.0 %			23-114						
4165-60-0	Surrogate: Nitrobenzene-d5	57.8 %			22-108						
321-60-8	Surrogate: 2-Fluorobiphenyl	56.0 %			21-113						
118-79-6	Surrogate: 2,4,6-Tribromophenol	67.1 %			19-110						
1718-51-0	Surrogate: Terphenyl-d14	50.3 %			24-116						

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	7010		mg/kg dry	6.05	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:30	BML
7440-36-0	Antimony	1.53		mg/kg dry	0.605	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:30	BML
7440-38-2	Arsenic	1.76		mg/kg dry	1.21	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:30	BML
7440-39-3	Barium	45.5		mg/kg dry	1.21	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:30	BML
7440-41-7	Beryllium	ND		mg/kg dry	0.121	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:30	BML



Sample Information

Client Sample ID: LSB-4 (15-17)

York Sample ID: 17K0876-01

York Project (SDG) No.

17K0876

Client Project ID

100674401 460 West 41st St.

Matrix

Soil

Collection Date/Time

November 20, 2017 9:15 am

Date Received

11/21/2017

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-43-9	Cadmium	ND		mg/kg dry	0.363	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:30	BML
7440-70-2	Calcium	1840		mg/kg dry	6.05	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:30	BML
7440-47-3	Chromium	10.2		mg/kg dry	0.605	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:30	BML
7440-48-4	Cobalt	5.84		mg/kg dry	0.605	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:30	BML
7440-50-8	Copper	20.0	B	mg/kg dry	0.605	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:30	BML
7439-89-6	Iron	11700		mg/kg dry	2.42	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:30	BML
7439-92-1	Lead	32.9	B	mg/kg dry	0.605	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:30	BML
7439-95-4	Magnesium	2210		mg/kg dry	6.05	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:30	BML
7439-96-5	Manganese	313		mg/kg dry	0.605	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:30	BML
7440-02-0	Nickel	ND		mg/kg dry	0.605	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:30	BML
7440-09-7	Potassium	713		mg/kg dry	6.05	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:30	BML
7782-49-2	Selenium	8.34	B	mg/kg dry	1.21	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:30	BML
7440-22-4	Silver	ND		mg/kg dry	0.605	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:30	BML
7440-23-5	Sodium	140		mg/kg dry	12.1	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/28/2017 11:35	11/28/2017 22:30	BML
7440-28-0	Thallium	ND		mg/kg dry	1.21	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:30	BML
7440-62-2	Vanadium	13.3		mg/kg dry	1.21	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:30	BML
7440-66-6	Zinc	27.7		mg/kg dry	1.82	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:30	BML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.0450		mg/kg dry	0.0363	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	11/28/2017 15:38	11/28/2017 16:34	SY

Total Solids

Log-in Notes:

Sample Notes:

120 RESEARCH DRIVE
www.YORKLAB.com

STRATFORD, CT 06615
(203) 325-1371

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

RICHMOND HILL, NY 11418
ClientServices@



Sample Information

Client Sample ID: LSB-4 (15-17)

York Sample ID: 17K0876-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Soil

November 20, 2017 9:15 am

11/21/2017

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	82.6		%	0.100	1	SM 2540G Certifications: CTDOH	11/22/2017 11:27	11/22/2017 14:35	TJM

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.605	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	11/27/2017 08:03	11/27/2017 13:58	DM1

Sample Information

Client Sample ID: LSB-3 (15-17)

York Sample ID: 17K0876-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Soil

November 20, 2017 10:00 am

11/21/2017

VOA, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058	11/29/2017 07:30	11/29/2017 13:23	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058	11/29/2017 07:30	11/29/2017 13:23	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS



Sample Information

Client Sample ID: LSB-3 (15-17)

York Sample ID: 17K0876-02

York Project (SDG) No.

17K0876

Client Project ID

100674401 460 West 41st St.

Matrix

Soil

Collection Date/Time

November 20, 2017 10:00 am

Date Received

11/21/2017

VOA, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 13:23	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 13:23	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 13:23	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 13:23	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 13:23	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 13:23	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 13:23	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 13:23	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.043	0.086	1	EPA 8260C Certifications:	11/29/2017 07:30 NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 13:23	SS
78-93-3	2-Butanone	0.0037	J	mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 13:23	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 13:23	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 13:23	SS
67-64-1	Acetone	0.0091	CCV-E, SCAL- E	mg/kg dry	0.0043	0.0086	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 13:23	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0043	0.0086	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 13:23	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 13:23	SS
71-43-2	Benzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 13:23	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications:	11/29/2017 07:30 NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 13:23	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 13:23	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 13:23	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 13:23	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 13:23	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 13:23	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 13:23	SS



Sample Information

Client Sample ID: LSB-3 (15-17)

York Sample ID: 17K0876-02

York Project (SDG) No.

17K0876

Client Project ID

100674401 460 West 41st St.

Matrix

Soil

Collection Date/Time

November 20, 2017 10:00 am

Date Received

11/21/2017

VOA, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-00-3	Chloroethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0043	0.0086	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0043	0.0086	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS
100-42-5	Styrene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS



Sample Information

Client Sample ID: LSB-3 (15-17)

York Sample ID: 17K0876-02

York Project (SDG) No.

17K0876

Client Project ID

100674401 460 West 41st St.

Matrix

Soil

Collection Date/Time

November 20, 2017 10:00 am

Date Received

11/21/2017

VOA, 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
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS
108-88-3	Toluene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:23	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0064	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058	11/29/2017 07:30	11/29/2017 13:23	SS
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	103 %				77-125					
2037-26-5	Surrogate: Toluene-d8	98.9 %				85-120					
460-00-4	Surrogate: p-Bromofluorobenzene	94.5 %				76-130					

SVOA, 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		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.102	0.204	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.102	0.204	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR



Sample Information

Client Sample ID: LSB-3 (15-17)

York Sample ID: 17K0876-02

York Project (SDG) No.

17K0876

Client Project ID

100674401 460 West 41st St.

Matrix

Soil

Collection Date/Time

November 20, 2017 10:00 am

Date Received

11/21/2017

SVOA, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 13:18	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 13:18	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 13:18	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 13:18	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.102	0.204	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 13:18	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 13:18	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 13:18	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 13:18	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 13:18	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 13:18	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 13:18	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.102	0.204	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 13:18	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 13:18	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 13:18	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications:	11/28/2017 06:42 NELAC-NY10854,NJDEP,PADEP	11/28/2017 13:18	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.102	0.204	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 13:18	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.102	0.204	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 13:18	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 13:18	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 13:18	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 13:18	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 13:18	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.102	0.204	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 13:18	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.102	0.204	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 13:18	SR



Sample Information

Client Sample ID: LSB-3 (15-17)

York Sample ID: 17K0876-02

York Project (SDG) No.

17K0876

Client Project ID

100674401 460 West 41st St.

Matrix

Soil

Collection Date/Time

November 20, 2017 10:00 am

Date Received

11/21/2017

SVOA, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
62-53-3	Aniline	ND		mg/kg dry	0.205	0.410	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
120-12-7	Anthracene	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
92-87-5	Benzidine	ND		mg/kg dry	0.205	0.410	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.102	0.204	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
86-74-8	Carbazole	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR
218-01-9	Chrysene	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:18	SR



Sample Information

Client Sample ID: LSB-3 (15-17)

York Sample ID: 17K0876-02

York Project (SDG) No.

17K0876

Client Project ID

100674401 460 West 41st St.

Matrix

Soil

Collection Date/Time

November 20, 2017 10:00 am

Date Received

11/21/2017

SVOA, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 13:18	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 13:18	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 13:18	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 13:18	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 13:18	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 13:18	SR
206-44-0	Fluoranthene	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 13:18	SR
86-73-7	Fluorene	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications:	11/28/2017 06:42 NELAC-NY10854,NJDEP,PADEP	11/28/2017 13:18	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 13:18	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 13:18	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 13:18	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 13:18	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 13:18	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 13:18	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 13:18	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 13:18	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 13:18	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 13:18	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 13:18	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 13:18	SR
85-01-8	Phenanthrene	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 13:18	SR
108-95-2	Phenol	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 13:18	SR
129-00-0	Pyrene	ND		mg/kg dry	0.0513	0.102	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 13:18	SR

Surrogate Recoveries

Result

Acceptance Range



Sample Information

Client Sample ID: LSB-3 (15-17)

York Sample ID: 17K0876-02

York Project (SDG) No.

17K0876

Client Project ID

100674401 460 West 41st St.

Matrix

Soil

Collection Date/Time

November 20, 2017 10:00 am

Date Received

11/21/2017

SVOA, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
367-12-4	Surrogate: 2-Fluorophenol	56.5 %			20-108						
4165-62-2	Surrogate: Phenol-d5	59.7 %			23-114						
4165-60-0	Surrogate: Nitrobenzene-d5	46.0 %			22-108						
321-60-8	Surrogate: 2-Fluorobiphenyl	45.4 %			21-113						
118-79-6	Surrogate: 2,4,6-Tribromophenol	50.2 %			19-110						
1718-51-0	Surrogate: Terphenyl-d14	37.0 %			24-116						

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3505B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	12000		mg/kg dry	6.15	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:35	BML
7440-36-0	Antimony	1.44		mg/kg dry	0.615	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:35	BML
7440-38-2	Arsenic	1.24		mg/kg dry	1.23	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:35	BML
7440-39-3	Barium	59.6		mg/kg dry	1.23	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:35	BML
7440-41-7	Beryllium	ND		mg/kg dry	0.123	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:35	BML
7440-43-9	Cadmium	ND		mg/kg dry	0.369	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:35	BML
7440-70-2	Calcium	1600		mg/kg dry	6.15	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:35	BML
7440-47-3	Chromium	15.3		mg/kg dry	0.615	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:35	BML
7440-48-4	Cobalt	6.89		mg/kg dry	0.615	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:35	BML
7440-50-8	Copper	23.1	B	mg/kg dry	0.615	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:35	BML
7439-89-6	Iron	16500		mg/kg dry	2.46	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:35	BML
7439-92-1	Lead	30.8	B	mg/kg dry	0.615	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:35	BML
7439-95-4	Magnesium	3470		mg/kg dry	6.15	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:35	BML
7439-96-5	Manganese	183		mg/kg dry	0.615	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:35	BML
7440-02-0	Nickel	ND		mg/kg dry	0.615	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:35	BML
7440-09-7	Potassium	880		mg/kg dry	6.15	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:35	BML



Sample Information

Client Sample ID: LSB-3 (15-17)

York Sample ID: 17K0876-02

York Project (SDG) No.

17K0876

Client Project ID

100674401 460 West 41st St.

Matrix

Soil

Collection Date/Time

November 20, 2017 10:00 am

Date Received

11/21/2017

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7782-49-2	Selenium	12.6	B	mg/kg dry	1.23	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:35	BML
7440-22-4	Silver	ND		mg/kg dry	0.615	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:35	BML
7440-23-5	Sodium	180		mg/kg dry	12.3	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/28/2017 11:35	11/28/2017 22:35	BML
7440-28-0	Thallium	ND		mg/kg dry	1.23	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:35	BML
7440-62-2	Vanadium	17.9		mg/kg dry	1.23	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:35	BML
7440-66-6	Zinc	44.4		mg/kg dry	1.85	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:35	BML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.0727		mg/kg dry	0.0369	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	11/28/2017 15:38	11/28/2017 17:21	SY

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	81.3		%	0.100	1	SM 2540G Certifications: CTDOH	11/22/2017 11:27	11/22/2017 14:35	TJM

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.615	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	11/27/2017 08:03	11/27/2017 13:58	DM1

Sample Information

Client Sample ID: LSB-1 (15-17)

York Sample ID: 17K0876-03

York Project (SDG) No.

17K0876

Client Project ID

100674401 460 West 41st St.

Matrix

Soil

Collection Date/Time

November 20, 2017 10:25 am

Date Received

11/21/2017



Sample Information

Client Sample ID: LSB-1 (15-17)

York Sample ID: 17K0876-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Soil

November 20, 2017 10:25 am

11/21/2017

VOA, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058	11/29/2017 07:30	11/29/2017 13:55	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058	11/29/2017 07:30	11/29/2017 13:55	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.042	0.083	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS



Sample Information

Client Sample ID: LSB-1 (15-17)

York Sample ID: 17K0876-03

York Project (SDG) No.

17K0876

Client Project ID

100674401 460 West 41st St.

Matrix

Soil

Collection Date/Time

November 20, 2017 10:25 am

Date Received

11/21/2017

VOA, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	0.0073	CCV-E, SCAL- E, J	mg/kg dry	0.0042	0.0083	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 13:55	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0042	0.0083	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 13:55	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 13:55	SS
71-43-2	Benzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 13:55	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications:	11/29/2017 07:30 NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 13:55	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 13:55	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 13:55	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 13:55	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 13:55	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 13:55	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 13:55	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 13:55	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 13:55	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 13:55	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 13:55	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 13:55	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications:	11/29/2017 07:30 NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 13:55	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications:	11/29/2017 07:30 NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 13:55	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications:	11/29/2017 07:30 NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 13:55	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications:	11/29/2017 07:30 NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 13:55	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 13:55	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications:	11/29/2017 07:30 NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 13:55	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 13:55	SS



Sample Information

Client Sample ID: LSB-1 (15-17)

York Sample ID: 17K0876-03

York Project (SDG) No.

17K0876

Client Project ID

100674401 460 West 41st St.

Matrix

Soil

Collection Date/Time

November 20, 2017 10:25 am

Date Received

11/21/2017

VOA, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-20-9	Methyl acetate	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0042	0.0083	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0042	0.0083	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
100-42-5	Styrene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
108-88-3	Toluene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 13:55	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0062	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058	11/29/2017 07:30	11/29/2017 13:55	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	101 %	77-125
2037-26-5	Surrogate: Toluene-d8	99.1 %	85-120
460-00-4	Surrogate: p-Bromofluorobenzene	94.1 %	76-130



Sample Information

Client Sample ID: LSB-1 (15-17)

York Sample ID: 17K0876-03

York Project (SDG) No.

17K0876

Client Project ID

100674401 460 West 41st St.

Matrix

Soil

Collection Date/Time

November 20, 2017 10:25 am

Date Received

11/21/2017

SVOA, 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		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.102	0.204	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.102	0.204	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.102	0.204	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.102	0.204	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR



Sample Information

Client Sample ID: LSB-1 (15-17)

York Sample ID: 17K0876-03

York Project (SDG) No.

17K0876

Client Project ID

100674401 460 West 41st St.

Matrix

Soil

Collection Date/Time

November 20, 2017 10:25 am

Date Received

11/21/2017

SVOA, 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
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.102	0.204	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.102	0.204	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.102	0.204	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.102	0.204	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
83-32-9	Acenaphthene	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
62-53-3	Aniline	ND		mg/kg dry	0.204	0.409	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
120-12-7	Anthracene	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
92-87-5	Benzidine	ND		mg/kg dry	0.204	0.409	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR



Sample Information

Client Sample ID: LSB-1 (15-17)

York Sample ID: 17K0876-03

York Project (SDG) No.

17K0876

Client Project ID

100674401 460 West 41st St.

Matrix

Soil

Collection Date/Time

November 20, 2017 10:25 am

Date Received

11/21/2017

SVOA, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 13:48	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 13:48	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 13:48	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 13:48	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 13:48	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.102	0.204	2	EPA 8270D Certifications:	11/28/2017 06:42 NELAC-NY10854,NJDEP,PADEP	11/28/2017 13:48	SR
86-74-8	Carbazole	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 13:48	SR
218-01-9	Chrysene	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 13:48	SR
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 13:48	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 13:48	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 13:48	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 13:48	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 13:48	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 13:48	SR
206-44-0	Fluoranthene	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 13:48	SR
86-73-7	Fluorene	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications:	11/28/2017 06:42 NELAC-NY10854,NJDEP,PADEP	11/28/2017 13:48	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 13:48	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 13:48	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 13:48	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 13:48	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 13:48	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 13:48	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 13:48	SR



Sample Information

Client Sample ID: LSB-1 (15-17)

York Sample ID: 17K0876-03

York Project (SDG) No.

17K0876

Client Project ID

100674401 460 West 41st St.

Matrix

Soil

Collection Date/Time

November 20, 2017 10:25 am

Date Received

11/21/2017

SVOA, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
85-01-8	Phenanthrene	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
108-95-2	Phenol	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
129-00-0	Pyrene	ND		mg/kg dry	0.0512	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 13:48	SR
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	72.8 %	20-108								
4165-62-2	Surrogate: Phenol-d5	75.1 %	23-114								
4165-60-0	Surrogate: Nitrobenzene-d5	58.9 %	22-108								
321-60-8	Surrogate: 2-Fluorobiphenyl	55.8 %	21-113								
118-79-6	Surrogate: 2,4,6-Tribromophenol	66.8 %	19-110								
1718-51-0	Surrogate: Terphenyl-d14	48.9 %	24-116								

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	12500		mg/kg dry	6.12	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:40	BML
7440-36-0	Antimony	1.76		mg/kg dry	0.612	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:40	BML
7440-38-2	Arsenic	2.15		mg/kg dry	1.22	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:40	BML
7440-39-3	Barium	92.0		mg/kg dry	1.22	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:40	BML
7440-41-7	Beryllium	ND		mg/kg dry	0.122	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:40	BML
7440-43-9	Cadmium	ND		mg/kg dry	0.367	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:40	BML
7440-70-2	Calcium	1270		mg/kg dry	6.12	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:40	BML
7440-47-3	Chromium	16.3		mg/kg dry	0.612	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:40	BML



Sample Information

Client Sample ID: LSB-1 (15-17)

York Sample ID: 17K0876-03

York Project (SDG) No.

17K0876

Client Project ID

100674401 460 West 41st St.

Matrix

Soil

Collection Date/Time

November 20, 2017 10:25 am

Date Received

11/21/2017

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-48-4	Cobalt	9.59		mg/kg dry	0.612	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:40	BML
7440-50-8	Copper	22.6	B	mg/kg dry	0.612	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:40	BML
7439-89-6	Iron	19500		mg/kg dry	2.45	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:40	BML
7439-92-1	Lead	16.6	B	mg/kg dry	0.612	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:40	BML
7439-95-4	Magnesium	3490		mg/kg dry	6.12	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:40	BML
7439-96-5	Manganese	253		mg/kg dry	0.612	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:40	BML
7440-02-0	Nickel	ND		mg/kg dry	0.612	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:40	BML
7440-09-7	Potassium	1220		mg/kg dry	6.12	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:40	BML
7782-49-2	Selenium	15.5	B	mg/kg dry	1.22	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:40	BML
7440-22-4	Silver	ND		mg/kg dry	0.612	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:40	BML
7440-23-5	Sodium	295		mg/kg dry	12.2	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/28/2017 11:35	11/28/2017 22:40	BML
7440-28-0	Thallium	ND		mg/kg dry	1.22	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:40	BML
7440-62-2	Vanadium	24.5		mg/kg dry	1.22	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:40	BML
7440-66-6	Zinc	39.5		mg/kg dry	1.84	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:40	BML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.0439		mg/kg dry	0.0367	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	11/28/2017 15:38	11/28/2017 17:29	SY

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	81.7		%	0.100	1	SM 2540G Certifications: CTDOH	11/22/2017 11:27	11/22/2017 14:35	TJM



Sample Information

Client Sample ID: LSB-1 (15-17)

York Sample ID: 17K0876-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Soil

November 20, 2017 10:25 am

11/21/2017

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.612	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	11/27/2017 08:03	11/27/2017 13:58	DM1

Sample Information

Client Sample ID: LSB-2 (15-17)

York Sample ID: 17K0876-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Soil

November 20, 2017 10:45 am

11/21/2017

VOA, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:58	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:58	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:58	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058	11/29/2017 07:30	11/29/2017 14:58	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:58	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:58	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:58	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:58	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058	11/29/2017 07:30	11/29/2017 14:58	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:58	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:58	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:58	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:58	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:58	SS



Sample Information

Client Sample ID: LSB-2 (15-17)

York Sample ID: 17K0876-04

York Project (SDG) No.

17K0876

Client Project ID

100674401 460 West 41st St.

Matrix

Soil

Collection Date/Time

November 20, 2017 10:45 am

Date Received

11/21/2017

VOA, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 14:58	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 14:58	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 14:58	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 14:58	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 14:58	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.056	0.11	1	EPA 8260C Certifications:	11/29/2017 07:30 NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 14:58	SS
78-93-3	2-Butanone	0.0074		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 14:58	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 14:58	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 14:58	SS
67-64-1	Acetone	0.013	CCV-E, SCAL- E	mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 14:58	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 14:58	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 14:58	SS
71-43-2	Benzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 14:58	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	11/29/2017 07:30 NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 14:58	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 14:58	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 14:58	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 14:58	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 14:58	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 14:58	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 14:58	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 14:58	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 14:58	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 14:58	SS



Sample Information

Client Sample ID: LSB-2 (15-17)

York Sample ID: 17K0876-04

York Project (SDG) No.

17K0876

Client Project ID

100674401 460 West 41st St.

Matrix

Soil

Collection Date/Time

November 20, 2017 10:45 am

Date Received

11/21/2017

VOA, 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
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:58	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:58	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:58	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:58	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:58	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:58	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:58	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:58	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:58	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:58	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:58	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:58	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:58	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:58	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:58	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:58	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:58	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:58	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:58	SS
100-42-5	Styrene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:58	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:58	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:58	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:58	SS



Sample Information

Client Sample ID: LSB-2 (15-17)

York Sample ID: 17K0876-04

York Project (SDG) No.

17K0876

Client Project ID

100674401 460 West 41st St.

Matrix

Soil

Collection Date/Time

November 20, 2017 10:45 am

Date Received

11/21/2017

VOA, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-88-3	Toluene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:58	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:58	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:58	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:58	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:58	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:58	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0084	0.017	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058	11/29/2017 07:30	11/29/2017 14:58	SS
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	99.6 %		77-125							
2037-26-5	Surrogate: Toluene-d8	101 %		85-120							
460-00-4	Surrogate: p-Bromofluorobenzene	91.0 %		76-130							

SVOA, 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		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0997	0.199	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0997	0.199	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR



Sample Information

Client Sample ID: LSB-2 (15-17)

York Sample ID: 17K0876-04

York Project (SDG) No.

17K0876

Client Project ID

100674401 460 West 41st St.

Matrix

Soil

Collection Date/Time

November 20, 2017 10:45 am

Date Received

11/21/2017

SVOA, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0997	0.199	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0997	0.199	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0997	0.199	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0997	0.199	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0997	0.199	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0997	0.199	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
83-32-9	Acenaphthene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR



Sample Information

Client Sample ID: LSB-2 (15-17)

York Sample ID: 17K0876-04

York Project (SDG) No.

17K0876

Client Project ID

100674401 460 West 41st St.

Matrix

Soil

Collection Date/Time

November 20, 2017 10:45 am

Date Received

11/21/2017

SVOA, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
62-53-3	Aniline	ND		mg/kg dry	0.200	0.399	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
120-12-7	Anthracene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
92-87-5	Benzidine	ND		mg/kg dry	0.200	0.399	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0997	0.199	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
86-74-8	Carbazole	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
218-01-9	Chrysene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR



Sample Information

Client Sample ID: LSB-2 (15-17)

York Sample ID: 17K0876-04

York Project (SDG) No.

17K0876

Client Project ID

100674401 460 West 41st St.

Matrix

Soil

Collection Date/Time

November 20, 2017 10:45 am

Date Received

11/21/2017

SVOA, 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
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
206-44-0	Fluoranthene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
86-73-7	Fluorene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
85-01-8	Phenanthrene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
108-95-2	Phenol	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
129-00-0	Pyrene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:18	SR
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	58.1 %	20-108								
4165-62-2	Surrogate: Phenol-d5	58.8 %	23-114								
4165-60-0	Surrogate: Nitrobenzene-d5	47.6 %	22-108								
321-60-8	Surrogate: 2-Fluorobiphenyl	45.8 %	21-113								
118-79-6	Surrogate: 2,4,6-Tribromophenol	50.9 %	19-110								



Sample Information

Client Sample ID: LSB-2 (15-17)

York Sample ID: 17K0876-04

York Project (SDG) No.

17K0876

Client Project ID

100674401 460 West 41st St.

Matrix

Soil

Collection Date/Time

November 20, 2017 10:45 am

Date Received

11/21/2017

SVOA, 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
1718-51-0	Surrogate: Terphenyl-d14	37.7 %			24-116						

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	8180		mg/kg dry	6.00	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:44	BML
7440-36-0	Antimony	1.71		mg/kg dry	0.600	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:44	BML
7440-38-2	Arsenic	1.44		mg/kg dry	1.20	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:44	BML
7440-39-3	Barium	71.6		mg/kg dry	1.20	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:44	BML
7440-41-7	Beryllium	ND		mg/kg dry	0.120	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:44	BML
7440-43-9	Cadmium	ND		mg/kg dry	0.360	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:44	BML
7440-70-2	Calcium	23700		mg/kg dry	6.00	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:44	BML
7440-47-3	Chromium	11.1		mg/kg dry	0.600	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:44	BML
7440-48-4	Cobalt	6.15		mg/kg dry	0.600	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:44	BML
7440-50-8	Copper	15.8	B	mg/kg dry	0.600	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:44	BML
7439-89-6	Iron	24900		mg/kg dry	2.40	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:44	BML
7439-92-1	Lead	119	B	mg/kg dry	0.600	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:44	BML
7439-95-4	Magnesium	2530		mg/kg dry	6.00	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:44	BML
7439-96-5	Manganese	1660		mg/kg dry	0.600	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:44	BML
7440-02-0	Nickel	ND		mg/kg dry	0.600	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:44	BML
7440-09-7	Potassium	718		mg/kg dry	6.00	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:44	BML
7782-49-2	Selenium	19.3	B	mg/kg dry	1.20	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:44	BML
7440-22-4	Silver	ND		mg/kg dry	0.600	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:44	BML



Sample Information

Client Sample ID: LSB-2 (15-17)

York Sample ID: 17K0876-04

York Project (SDG) No.

17K0876

Client Project ID

100674401 460 West 41st St.

Matrix

Soil

Collection Date/Time

November 20, 2017 10:45 am

Date Received

11/21/2017

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	Sodium	212		mg/kg dry	12.0	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/28/2017 11:35	11/28/2017 22:44	BML
7440-28-0	Thallium	ND		mg/kg dry	1.20	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:44	BML
7440-62-2	Vanadium	15.1		mg/kg dry	1.20	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:44	BML
7440-66-6	Zinc	29.7		mg/kg dry	1.80	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:44	BML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.0816		mg/kg dry	0.0360	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	11/28/2017 15:38	11/28/2017 17:38	SY

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	83.3		%	0.100	1	SM 2540G Certifications: CTDOH	11/22/2017 11:27	11/22/2017 14:35	TJM

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.600	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	11/27/2017 08:03	11/27/2017 13:58	DM1

Sample Information

Client Sample ID: LSB-9 (0-2)

York Sample ID: 17K0876-05

York Project (SDG) No.

17K0876

Client Project ID

100674401 460 West 41st St.

Matrix

Soil

Collection Date/Time

November 20, 2017 12:50 pm

Date Received

11/21/2017

VOA, 8260 Comprehensive

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: LSB-9 (0-2)

York Sample ID: 17K0876-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Soil

November 20, 2017 12:50 pm

11/21/2017

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058	11/29/2017 07:30	11/29/2017 15:30	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058	11/29/2017 07:30	11/29/2017 15:30	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.050	0.10	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
78-93-3	2-Butanone	0.0050		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS



Sample Information

Client Sample ID: LSB-9 (0-2)

York Sample ID: 17K0876-05

York Project (SDG) No.

17K0876

Client Project ID

100674401 460 West 41st St.

Matrix

Soil

Collection Date/Time

November 20, 2017 12:50 pm

Date Received

11/21/2017

VOA, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	0.011	CCV-E, SCAL- E	mg/kg dry	0.0050	0.010	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 15:30	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0050	0.010	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 15:30	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 15:30	SS
71-43-2	Benzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 15:30	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	11/29/2017 07:30 NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 15:30	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 15:30	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 15:30	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 15:30	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 15:30	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 15:30	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 15:30	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 15:30	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 15:30	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 15:30	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 15:30	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 15:30	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	11/29/2017 07:30 NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 15:30	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	11/29/2017 07:30 NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 15:30	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	11/29/2017 07:30 NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 15:30	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	11/29/2017 07:30 NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 15:30	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 15:30	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	11/29/2017 07:30 NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 15:30	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 15:30	SS



Sample Information

Client Sample ID: LSB-9 (0-2)

York Sample ID: 17K0876-05

York Project (SDG) No.

17K0876

Client Project ID

100674401 460 West 41st St.

Matrix

Soil

Collection Date/Time

November 20, 2017 12:50 pm

Date Received

11/21/2017

VOA, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-20-9	Methyl acetate	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0050	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0050	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
100-42-5	Styrene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
108-88-3	Toluene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 15:30	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0075	0.015	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058	11/29/2017 07:30	11/29/2017 15:30	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	99.3 %	77-125								
2037-26-5	Surrogate: Toluene-d8	98.9 %	85-120								
460-00-4	Surrogate: p-Bromofluorobenzene	96.4 %	76-130								



Sample Information

Client Sample ID: LSB-9 (0-2)

York Sample ID: 17K0876-05

York Project (SDG) No.

17K0876

Client Project ID

100674401 460 West 41st St.

Matrix

Soil

Collection Date/Time

November 20, 2017 12:50 pm

Date Received

11/21/2017

SVOA, 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		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.102	0.203	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.102	0.203	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.102	0.203	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.102	0.203	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR



Sample Information

Client Sample ID: LSB-9 (0-2)

York Sample ID: 17K0876-05

York Project (SDG) No.

17K0876

Client Project ID

100674401 460 West 41st St.

Matrix

Soil

Collection Date/Time

November 20, 2017 12:50 pm

Date Received

11/21/2017

SVOA, 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
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.102	0.203	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.102	0.203	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.102	0.203	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.102	0.203	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
83-32-9	Acenaphthene	0.0789	J	mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
62-53-3	Aniline	ND		mg/kg dry	0.204	0.407	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
120-12-7	Anthracene	0.152		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
92-87-5	Benzidine	ND		mg/kg dry	0.204	0.407	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
56-55-3	Benzo(a)anthracene	0.286		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
50-32-8	Benzo(a)pyrene	0.251		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
205-99-2	Benzo(b)fluoranthene	0.126		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
191-24-2	Benzo(g,h,i)perylene	0.141		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
207-08-9	Benzo(k)fluoranthene	0.143		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR



Sample Information

Client Sample ID: LSB-9 (0-2)

York Sample ID: 17K0876-05

York Project (SDG) No.

17K0876

Client Project ID

100674401 460 West 41st St.

Matrix

Soil

Collection Date/Time

November 20, 2017 12:50 pm

Date Received

11/21/2017

SVOA, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.102	0.203	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
86-74-8	Carbazole	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
218-01-9	Chrysene	0.344		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
206-44-0	Fluoranthene	0.440		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
86-73-7	Fluorene	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
193-39-5	Indeno(1,2,3-cd)pyrene	0.0902	J	mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR



Sample Information

Client Sample ID: LSB-9 (0-2)

York Sample ID: 17K0876-05

York Project (SDG) No.

17K0876

Client Project ID

100674401 460 West 41st St.

Matrix

Soil

Collection Date/Time

November 20, 2017 12:50 pm

Date Received

11/21/2017

SVOA, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
85-01-8	Phenanthrene	0.444		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
108-95-2	Phenol	ND		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
129-00-0	Pyrene	0.795		mg/kg dry	0.0510	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 14:47	SR
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	64.7 %	20-108								
4165-62-2	Surrogate: Phenol-d5	69.0 %	23-114								
4165-60-0	Surrogate: Nitrobenzene-d5	57.6 %	22-108								
321-60-8	Surrogate: 2-Fluorobiphenyl	55.7 %	21-113								
118-79-6	Surrogate: 2,4,6-Tribromophenol	61.5 %	19-110								
1718-51-0	Surrogate: Terphenyl-d14	46.9 %	24-116								

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	10300		mg/kg dry	6.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:49	BML
7440-36-0	Antimony	2.09		mg/kg dry	0.610	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:49	BML
7440-38-2	Arsenic	1.79		mg/kg dry	1.22	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:49	BML
7440-39-3	Barium	86.7		mg/kg dry	1.22	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:49	BML
7440-41-7	Beryllium	ND		mg/kg dry	0.122	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:49	BML
7440-43-9	Cadmium	ND		mg/kg dry	0.366	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:49	BML
7440-70-2	Calcium	6020		mg/kg dry	6.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:49	BML



Sample Information

Client Sample ID: LSB-9 (0-2)

York Sample ID: 17K0876-05

York Project (SDG) No.

17K0876

Client Project ID

100674401 460 West 41st St.

Matrix

Soil

Collection Date/Time

November 20, 2017 12:50 pm

Date Received

11/21/2017

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-47-3	Chromium	14.4		mg/kg dry	0.610	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:49	BML
7440-48-4	Cobalt	7.52		mg/kg dry	0.610	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:49	BML
7440-50-8	Copper	16.3	B	mg/kg dry	0.610	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:49	BML
7439-89-6	Iron	20500		mg/kg dry	2.44	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:49	BML
7439-92-1	Lead	49.4	B	mg/kg dry	0.610	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:49	BML
7439-95-4	Magnesium	2880		mg/kg dry	6.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:49	BML
7439-96-5	Manganese	988		mg/kg dry	0.610	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:49	BML
7440-02-0	Nickel	ND		mg/kg dry	0.610	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:49	BML
7440-09-7	Potassium	858		mg/kg dry	6.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:49	BML
7782-49-2	Selenium	15.7	B	mg/kg dry	1.22	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:49	BML
7440-22-4	Silver	ND		mg/kg dry	0.610	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:49	BML
7440-23-5	Sodium	1070		mg/kg dry	12.2	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/28/2017 11:35	11/28/2017 22:49	BML
7440-28-0	Thallium	ND		mg/kg dry	1.22	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:49	BML
7440-62-2	Vanadium	20.2		mg/kg dry	1.22	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:49	BML
7440-66-6	Zinc	50.7		mg/kg dry	1.83	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:49	BML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.0794		mg/kg dry	0.0366	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	11/28/2017 15:38	11/28/2017 17:46	SY

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

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



Sample Information

Client Sample ID: LSB-9 (0-2)

York Sample ID: 17K0876-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Soil

November 20, 2017 12:50 pm

11/21/2017

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	82.0		%	0.100	1	SM 2540G Certifications: CTDOH	11/22/2017 11:27	11/22/2017 14:35	TJM

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.610	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	11/27/2017 08:03	11/27/2017 13:58	DM1

Sample Information

Client Sample ID: LSB-8 (0-2)

York Sample ID: 17K0876-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Soil

November 20, 2017 2:20 pm

11/21/2017

VOA, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:02	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:02	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:02	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058	11/29/2017 07:30	11/29/2017 16:02	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:02	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:02	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:02	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:02	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058	11/29/2017 07:30	11/29/2017 16:02	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:02	SS



Sample Information

Client Sample ID: LSB-8 (0-2)

York Sample ID: 17K0876-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Soil

November 20, 2017 2:20 pm

11/21/2017

VOA, 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		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 16:02	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 16:02	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 16:02	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 16:02	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 16:02	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 16:02	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 16:02	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 16:02	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 16:02	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.051	0.10	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 16:02	SS
78-93-3	2-Butanone	0.0028	J	mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 16:02	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 16:02	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 16:02	SS
67-64-1	Acetone	0.0072	CCV-E, SCAL- E, J	mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 16:02	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 16:02	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 16:02	SS
71-43-2	Benzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 16:02	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 16:02	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 16:02	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 16:02	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 16:02	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 16:02	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 16:02	SS



Sample Information

Client Sample ID: LSB-8 (0-2)

York Sample ID: 17K0876-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Soil

November 20, 2017 2:20 pm

11/21/2017

VOA, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 16:02	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 16:02	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 16:02	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 16:02	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 16:02	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 16:02	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 16:02	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 16:02	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 16:02	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 16:02	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 16:02	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 16:02	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 16:02	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 16:02	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 16:02	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 16:02	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 16:02	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 16:02	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 16:02	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 16:02	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 16:02	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 16:02	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 16:02	SS



Sample Information

Client Sample ID: LSB-8 (0-2)

York Sample ID: 17K0876-06

York Project (SDG) No.

17K0876

Client Project ID

100674401 460 West 41st St.

Matrix

Soil

Collection Date/Time

November 20, 2017 2:20 pm

Date Received

11/21/2017

VOA, 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
100-42-5	Styrene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:02	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:02	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:02	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:02	SS
108-88-3	Toluene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:02	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:02	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:02	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:02	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:02	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:02	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0077	0.015	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058	11/29/2017 07:30	11/29/2017 16:02	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	97.7 %	77-125								
2037-26-5	Surrogate: Toluene-d8	102 %	85-120								
460-00-4	Surrogate: p-Bromofluorobenzene	98.2 %	76-130								

SVOA, 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		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0947	0.189	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR



Sample Information

Client Sample ID: LSB-8 (0-2)

York Sample ID: 17K0876-06

York Project (SDG) No.

17K0876

Client Project ID

100674401 460 West 41st St.

Matrix

Soil

Collection Date/Time

November 20, 2017 2:20 pm

Date Received

11/21/2017

SVOA, 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
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0947	0.189	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0947	0.189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0947	0.189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0947	0.189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0947	0.189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0947	0.189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR



Sample Information

Client Sample ID: LSB-8 (0-2)

York Sample ID: 17K0876-06

York Project (SDG) No.

17K0876

Client Project ID

100674401 460 West 41st St.

Matrix

Soil

Collection Date/Time

November 20, 2017 2:20 pm

Date Received

11/21/2017

SVOA, 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
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0947	0.189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
83-32-9	Acenaphthene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
62-53-3	Aniline	ND		mg/kg dry	0.190	0.379	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
120-12-7	Anthracene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
92-87-5	Benzidine	ND		mg/kg dry	0.190	0.379	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0947	0.189	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
86-74-8	Carbazole	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR



Sample Information

Client Sample ID: LSB-8 (0-2)

York Sample ID: 17K0876-06

York Project (SDG) No.

17K0876

Client Project ID

100674401 460 West 41st St.

Matrix

Soil

Collection Date/Time

November 20, 2017 2:20 pm

Date Received

11/21/2017

SVOA, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
218-01-9	Chrysene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
206-44-0	Fluoranthene	0.0689	J	mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
86-73-7	Fluorene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
85-01-8	Phenanthrene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
108-95-2	Phenol	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR



Sample Information

Client Sample ID: LSB-8 (0-2)

York Sample ID: 17K0876-06

York Project (SDG) No.

17K0876

Client Project ID

100674401 460 West 41st St.

Matrix

Soil

Collection Date/Time

November 20, 2017 2:20 pm

Date Received

11/21/2017

SVOA, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
129-00-0	Pyrene	0.0696	J	mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 15:18	SR
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	57.5 %	20-108								
4165-62-2	Surrogate: Phenol-d5	64.1 %	23-114								
4165-60-0	Surrogate: Nitrobenzene-d5	53.4 %	22-108								
321-60-8	Surrogate: 2-Fluorobiphenyl	54.3 %	21-113								
118-79-6	Surrogate: 2,4,6-Tribromophenol	47.3 %	19-110								
1718-51-0	Surrogate: Terphenyl-d14	47.0 %	24-116								

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	10400		mg/kg dry	5.68	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:54	BML
7440-36-0	Antimony	1.40		mg/kg dry	0.568	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:54	BML
7440-38-2	Arsenic	ND		mg/kg dry	1.14	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:54	BML
7440-39-3	Barium	84.6		mg/kg dry	1.14	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:54	BML
7440-41-7	Beryllium	ND		mg/kg dry	0.114	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:54	BML
7440-43-9	Cadmium	ND		mg/kg dry	0.341	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:54	BML
7440-70-2	Calcium	13000		mg/kg dry	5.68	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:54	BML
7440-47-3	Chromium	15.1		mg/kg dry	0.568	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:54	BML
7440-48-4	Cobalt	8.98		mg/kg dry	0.568	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:54	BML
7440-50-8	Copper	34.5	B	mg/kg dry	0.568	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:54	BML
7439-89-6	Iron	16200		mg/kg dry	2.27	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:54	BML
7439-92-1	Lead	43.3	B	mg/kg dry	0.568	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:54	BML
7439-95-4	Magnesium	3900		mg/kg dry	5.68	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:54	BML
7439-96-5	Manganese	298		mg/kg dry	0.568	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:54	BML



Sample Information

Client Sample ID: LSB-8 (0-2)

York Sample ID: 17K0876-06

York Project (SDG) No.

17K0876

Client Project ID

100674401 460 West 41st St.

Matrix

Soil

Collection Date/Time

November 20, 2017 2:20 pm

Date Received

11/21/2017

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	Nickel	ND		mg/kg dry	0.568	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:54	BML
7440-09-7	Potassium	2290		mg/kg dry	5.68	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:54	BML
7782-49-2	Selenium	12.8	B	mg/kg dry	1.14	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:54	BML
7440-22-4	Silver	ND		mg/kg dry	0.568	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:54	BML
7440-23-5	Sodium	742		mg/kg dry	11.4	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/28/2017 11:35	11/28/2017 22:54	BML
7440-28-0	Thallium	ND		mg/kg dry	1.14	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:54	BML
7440-62-2	Vanadium	19.6		mg/kg dry	1.14	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:54	BML
7440-66-6	Zinc	47.2		mg/kg dry	1.70	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:54	BML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.207		mg/kg dry	0.0341	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	11/28/2017 15:38	11/28/2017 17:55	SY

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	88.1		%	0.100	1	SM 2540G Certifications: CTDOH	11/22/2017 11:27	11/22/2017 14:35	TJM

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.568	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	11/27/2017 08:03	11/27/2017 13:58	DM1



Sample Information

Client Sample ID: LSB-7 (0-2)

York Sample ID: 17K0876-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Soil

November 20, 2017 2:50 pm

11/21/2017

VOA, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058	11/29/2017 07:30	11/29/2017 16:34	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058	11/29/2017 07:30	11/29/2017 16:34	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.059	0.12	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS



Sample Information

Client Sample ID: LSB-7 (0-2)

York Sample ID: 17K0876-07

York Project (SDG) No.

17K0876

Client Project ID

100674401 460 West 41st St.

Matrix

Soil

Collection Date/Time

November 20, 2017 2:50 pm

Date Received

11/21/2017

VOA, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	0.0061	CCV-E, SCAL- E, J	mg/kg dry	0.0059	0.012	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 16:34	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0059	0.012	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 16:34	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 16:34	SS
71-43-2	Benzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 16:34	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	11/29/2017 07:30 NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 16:34	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 16:34	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 16:34	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 16:34	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 16:34	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 16:34	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 16:34	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 16:34	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 16:34	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 16:34	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 16:34	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 16:34	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	11/29/2017 07:30 NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 16:34	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	11/29/2017 07:30 NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 16:34	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	11/29/2017 07:30 NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 16:34	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	11/29/2017 07:30 NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 16:34	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 16:34	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	11/29/2017 07:30 NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 16:34	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 16:34	SS



Sample Information

Client Sample ID: LSB-7 (0-2)

York Sample ID: 17K0876-07

York Project (SDG) No.

17K0876

Client Project ID

100674401 460 West 41st St.

Matrix

Soil

Collection Date/Time

November 20, 2017 2:50 pm

Date Received

11/21/2017

VOA, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-20-9	Methyl acetate	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0059	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0059	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
100-42-5	Styrene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
108-88-3	Toluene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0029	0.0059	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 16:34	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0088	0.018	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058	11/29/2017 07:30	11/29/2017 16:34	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	105 %	77-125								
2037-26-5	Surrogate: Toluene-d8	97.2 %	85-120								
460-00-4	Surrogate: p-Bromofluorobenzene	97.3 %	76-130								



Sample Information

Client Sample ID: LSB-7 (0-2)

York Sample ID: 17K0876-07

York Project (SDG) No.

17K0876

Client Project ID

100674401 460 West 41st St.

Matrix

Soil

Collection Date/Time

November 20, 2017 2:50 pm

Date Received

11/21/2017

SVOA, 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		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0919	0.183	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0919	0.183	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0919	0.183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0919	0.183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR



Sample Information

Client Sample ID: LSB-7 (0-2)

York Sample ID: 17K0876-07

York Project (SDG) No.

17K0876

Client Project ID

100674401 460 West 41st St.

Matrix

Soil

Collection Date/Time

November 20, 2017 2:50 pm

Date Received

11/21/2017

SVOA, 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
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0919	0.183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0919	0.183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0919	0.183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0919	0.183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
83-32-9	Acenaphthene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
62-53-3	Aniline	ND		mg/kg dry	0.184	0.368	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
120-12-7	Anthracene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
92-87-5	Benzidine	ND		mg/kg dry	0.184	0.368	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR



Sample Information

Client Sample ID: LSB-7 (0-2)

York Sample ID: 17K0876-07

York Project (SDG) No.

17K0876

Client Project ID

100674401 460 West 41st St.

Matrix

Soil

Collection Date/Time

November 20, 2017 2:50 pm

Date Received

11/21/2017

SVOA, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0919	0.183	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
86-74-8	Carbazole	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
218-01-9	Chrysene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
206-44-0	Fluoranthene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
86-73-7	Fluorene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR



Sample Information

Client Sample ID: LSB-7 (0-2)

York Sample ID: 17K0876-07

York Project (SDG) No.

17K0876

Client Project ID

100674401 460 West 41st St.

Matrix

Soil

Collection Date/Time

November 20, 2017 2:50 pm

Date Received

11/21/2017

SVOA, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
85-01-8	Phenanthrene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
108-95-2	Phenol	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
129-00-0	Pyrene	0.0492	J	mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:52	11/28/2017 15:48	SR
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: 2-Fluorophenol	2.75 %	S-09		20-108						
4165-62-2	Surrogate: Phenol-d5	27.1 %			23-114						
4165-60-0	Surrogate: Nitrobenzene-d5	45.3 %			22-108						
321-60-8	Surrogate: 2-Fluorobiphenyl	44.9 %			21-113						
118-79-6	Surrogate: 2,4,6-Tribromophenol	2.42 %	S-09		19-110						
1718-51-0	Surrogate: Terphenyl-d14	38.1 %			24-116						

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	6810		mg/kg dry	5.51	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:59	BML
7440-36-0	Antimony	2.24		mg/kg dry	0.551	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:59	BML
7440-38-2	Arsenic	1.13		mg/kg dry	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:59	BML
7440-39-3	Barium	49.4		mg/kg dry	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:59	BML
7440-41-7	Beryllium	ND		mg/kg dry	0.110	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:59	BML
7440-43-9	Cadmium	ND		mg/kg dry	0.330	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:59	BML
7440-70-2	Calcium	71600		mg/kg dry	5.51	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:59	BML



Sample Information

Client Sample ID: LSB-7 (0-2)

York Sample ID: 17K0876-07

York Project (SDG) No.

17K0876

Client Project ID

100674401 460 West 41st St.

Matrix

Soil

Collection Date/Time

November 20, 2017 2:50 pm

Date Received

11/21/2017

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-47-3	Chromium	38.2		mg/kg dry	0.551	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:59	BML
7440-48-4	Cobalt	3.36		mg/kg dry	0.551	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:59	BML
7440-50-8	Copper	19.4	B	mg/kg dry	0.551	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:59	BML
7439-89-6	Iron	9100		mg/kg dry	2.20	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:59	BML
7439-92-1	Lead	12.8	B	mg/kg dry	0.551	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:59	BML
7439-95-4	Magnesium	3210		mg/kg dry	5.51	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:59	BML
7439-96-5	Manganese	157		mg/kg dry	0.551	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:59	BML
7440-02-0	Nickel	1.29		mg/kg dry	0.551	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:59	BML
7440-09-7	Potassium	936		mg/kg dry	5.51	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:59	BML
7782-49-2	Selenium	7.96	B	mg/kg dry	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:59	BML
7440-22-4	Silver	ND		mg/kg dry	0.551	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:59	BML
7440-23-5	Sodium	496		mg/kg dry	11.0	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/28/2017 11:35	11/28/2017 22:59	BML
7440-28-0	Thallium	ND		mg/kg dry	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:59	BML
7440-62-2	Vanadium	13.1		mg/kg dry	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:59	BML
7440-66-6	Zinc	34.9		mg/kg dry	1.65	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 22:59	BML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0330	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	11/28/2017 15:38	11/28/2017 18:04	SY

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

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



Sample Information

Client Sample ID: LSB-7 (0-2)

York Sample ID: 17K0876-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Soil

November 20, 2017 2:50 pm

11/21/2017

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	90.8		%	0.100	1	SM 2540G Certifications: CTDOH	11/22/2017 11:27	11/22/2017 14:35	TJM

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.551	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	11/27/2017 08:03	11/27/2017 13:58	DM1

Sample Information

Client Sample ID: LSB-5 (1-3)

York Sample ID: 17K0876-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Soil

November 21, 2017 9:05 am

11/21/2017

VOA, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:06	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:06	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:06	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058	11/29/2017 07:30	11/29/2017 17:06	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:06	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:06	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:06	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:06	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058	11/29/2017 07:30	11/29/2017 17:06	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:06	SS



Sample Information

Client Sample ID: LSB-5 (1-3)

York Sample ID: 17K0876-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Soil

November 21, 2017 9:05 am

11/21/2017

VOA, 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		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 17:06	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 17:06	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 17:06	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 17:06	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 17:06	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 17:06	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 17:06	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 17:06	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 17:06	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.048	0.096	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 17:06	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 17:06	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 17:06	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 17:06	SS
67-64-1	Acetone	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 17:06	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 17:06	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 17:06	SS
71-43-2	Benzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 17:06	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 17:06	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 17:06	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 17:06	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 17:06	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 17:06	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 17:06	SS



Sample Information

Client Sample ID: LSB-5 (1-3)

York Sample ID: 17K0876-08

York Project (SDG) No.

17K0876

Client Project ID

100674401 460 West 41st St.

Matrix

Soil

Collection Date/Time

November 21, 2017 9:05 am

Date Received

11/21/2017

VOA, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 17:06	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 17:06	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 17:06	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 17:06	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 17:06	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 17:06	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	11/29/2017 07:30 NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 17:06	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	11/29/2017 07:30 NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 17:06	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	11/29/2017 07:30 NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 17:06	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	11/29/2017 07:30 NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 17:06	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 17:06	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	11/29/2017 07:30 NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 17:06	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 17:06	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	11/29/2017 07:30 NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 17:06	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 17:06	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	11/29/2017 07:30 NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 17:06	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 17:06	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 17:06	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 17:06	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/29/2017 17:06	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/29/2017 17:06	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 17:06	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 17:06	SS



Sample Information

Client Sample ID: LSB-5 (1-3)

York Sample ID: 17K0876-08

York Project (SDG) No.

17K0876

Client Project ID

100674401 460 West 41st St.

Matrix

Soil

Collection Date/Time

November 21, 2017 9:05 am

Date Received

11/21/2017

VOA, 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
100-42-5	Styrene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:06	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:06	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:06	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:06	SS
108-88-3	Toluene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:06	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:06	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:06	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:06	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:06	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:06	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0072	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058	11/29/2017 07:30	11/29/2017 17:06	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	101 %	77-125								
2037-26-5	Surrogate: Toluene-d8	98.3 %	85-120								
460-00-4	Surrogate: p-Bromofluorobenzene	95.0 %	76-130								

SVOA, 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		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.103	0.206	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR



Sample Information

Client Sample ID: LSB-5 (1-3)

York Sample ID: 17K0876-08

York Project (SDG) No.

17K0876

Client Project ID

100674401 460 West 41st St.

Matrix

Soil

Collection Date/Time

November 21, 2017 9:05 am

Date Received

11/21/2017

SVOA, 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
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.103	0.206	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.103	0.206	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.103	0.206	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.103	0.206	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.103	0.206	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.103	0.206	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR



Sample Information

Client Sample ID: LSB-5 (1-3)

York Sample ID: 17K0876-08

York Project (SDG) No.

17K0876

Client Project ID

100674401 460 West 41st St.

Matrix

Soil

Collection Date/Time

November 21, 2017 9:05 am

Date Received

11/21/2017

SVOA, 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
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.103	0.206	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
83-32-9	Acenaphthene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
62-53-3	Aniline	ND		mg/kg dry	0.206	0.413	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
120-12-7	Anthracene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
92-87-5	Benzidine	ND		mg/kg dry	0.206	0.413	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
85-68-7	Benzy l butyl phthalate	0.572		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.103	0.206	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
86-74-8	Carbazole	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR



Sample Information

Client Sample ID: LSB-5 (1-3)

York Sample ID: 17K0876-08

York Project (SDG) No.

17K0876

Client Project ID

100674401 460 West 41st St.

Matrix

Soil

Collection Date/Time

November 21, 2017 9:05 am

Date Received

11/21/2017

SVOA, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
218-01-9	Chrysene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
206-44-0	Fluoranthene	0.0544	J	mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
86-73-7	Fluorene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
85-01-8	Phenanthrene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR
108-95-2	Phenol	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:18	SR



Sample Information

Client Sample ID: LSB-5 (1-3)

York Sample ID: 17K0876-08

York Project (SDG) No.

17K0876

Client Project ID

100674401 460 West 41st St.

Matrix

Soil

Collection Date/Time

November 21, 2017 9:05 am

Date Received

11/21/2017

SVOA, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
129-00-0	Pyrene	0.0569	J	mg/kg dry	0.0517	0.103	2	EPA 8270D	11/28/2017 06:42	11/28/2017 16:18	SR
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	67.6 %	20-108								
4165-62-2	Surrogate: Phenol-d5	66.7 %	23-114								
4165-60-0	Surrogate: Nitrobenzene-d5	64.2 %	22-108								
321-60-8	Surrogate: 2-Fluorobiphenyl	60.8 %	21-113								
118-79-6	Surrogate: 2,4,6-Tribromophenol	63.8 %	19-110								
1718-51-0	Surrogate: Terphenyl-d14	51.1 %	24-116								

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	10700		mg/kg dry	6.18	1	EPA 6010C	11/28/2017 11:35	11/28/2017 23:03	BML
		Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP								
7440-36-0	Antimony	1.90		mg/kg dry	0.618	1	EPA 6010C	11/28/2017 11:35	11/28/2017 23:03	BML
		Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP								
7440-38-2	Arsenic	3.08		mg/kg dry	1.24	1	EPA 6010C	11/28/2017 11:35	11/28/2017 23:03	BML
		Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP								
7440-39-3	Barium	100		mg/kg dry	1.24	1	EPA 6010C	11/28/2017 11:35	11/28/2017 23:03	BML
		Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP								
7440-41-7	Beryllium	ND		mg/kg dry	0.124	1	EPA 6010C	11/28/2017 11:35	11/28/2017 23:03	BML
		Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP								
7440-43-9	Cadmium	ND		mg/kg dry	0.371	1	EPA 6010C	11/28/2017 11:35	11/28/2017 23:03	BML
		Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP								
7440-70-2	Calcium	42300		mg/kg dry	6.18	1	EPA 6010C	11/28/2017 11:35	11/28/2017 23:03	BML
		Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP								
7440-47-3	Chromium	21.5		mg/kg dry	0.618	1	EPA 6010C	11/28/2017 11:35	11/28/2017 23:03	BML
		Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP								
7440-48-4	Cobalt	7.53		mg/kg dry	0.618	1	EPA 6010C	11/28/2017 11:35	11/28/2017 23:03	BML
		Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP								
7440-50-8	Copper	37.4	B	mg/kg dry	0.618	1	EPA 6010C	11/28/2017 11:35	11/28/2017 23:03	BML
		Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP								
7439-89-6	Iron	13600		mg/kg dry	2.47	1	EPA 6010C	11/28/2017 11:35	11/28/2017 23:03	BML
		Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP								
7439-92-1	Lead	153	B	mg/kg dry	0.618	1	EPA 6010C	11/28/2017 11:35	11/28/2017 23:03	BML
		Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP								
7439-95-4	Magnesium	5320		mg/kg dry	6.18	1	EPA 6010C	11/28/2017 11:35	11/28/2017 23:03	BML
		Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP								
7439-96-5	Manganese	277		mg/kg dry	0.618	1	EPA 6010C	11/28/2017 11:35	11/28/2017 23:03	BML
		Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP								



Sample Information

Client Sample ID: LSB-5 (1-3)

York Sample ID: 17K0876-08

York Project (SDG) No.

17K0876

Client Project ID

100674401 460 West 41st St.

Matrix

Soil

Collection Date/Time

November 21, 2017 9:05 am

Date Received

11/21/2017

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	Nickel	ND		mg/kg dry	0.618	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:03	BML
7440-09-7	Potassium	1730		mg/kg dry	6.18	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:03	BML
7782-49-2	Selenium	11.2	B	mg/kg dry	1.24	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:03	BML
7440-22-4	Silver	ND		mg/kg dry	0.618	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:03	BML
7440-23-5	Sodium	663		mg/kg dry	12.4	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/28/2017 11:35	11/28/2017 23:03	BML
7440-28-0	Thallium	ND		mg/kg dry	1.24	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:03	BML
7440-62-2	Vanadium	20.0		mg/kg dry	1.24	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:03	BML
7440-66-6	Zinc	76.0		mg/kg dry	1.85	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:03	BML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.255		mg/kg dry	0.0371	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	11/28/2017 15:38	11/28/2017 18:12	SY

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	80.9		%	0.100	1	SM 2540G Certifications: CTDOH	11/22/2017 11:27	11/22/2017 14:35	TJM

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.618	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	11/27/2017 08:03	11/27/2017 13:58	DM1



Sample Information

Client Sample ID: DUP-1

York Sample ID: 17K0876-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Soil

November 21, 2017 9:20 am

11/21/2017

VOA, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058	11/29/2017 07:30	11/29/2017 17:37	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058	11/29/2017 07:30	11/29/2017 17:37	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.046	0.091	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS



Sample Information

Client Sample ID: DUP-1

York Sample ID: 17K0876-09

York Project (SDG) No.

17K0876

Client Project ID

100674401 460 West 41st St.

Matrix

Soil

Collection Date/Time

November 21, 2017 9:20 am

Date Received

11/21/2017

VOA, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	ND		mg/kg dry	0.0046	0.0091	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 17:37	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0046	0.0091	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 17:37	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 17:37	SS
71-43-2	Benzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 17:37	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	11/29/2017 07:30 NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 17:37	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 17:37	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 17:37	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 17:37	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 17:37	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 17:37	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 17:37	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 17:37	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 17:37	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 17:37	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 17:37	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 17:37	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	11/29/2017 07:30 NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 17:37	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	11/29/2017 07:30 NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 17:37	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	11/29/2017 07:30 NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 17:37	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	11/29/2017 07:30 NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 17:37	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 17:37	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	11/29/2017 07:30 NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 17:37	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 17:37	SS



Sample Information

Client Sample ID: DUP-1

York Sample ID: 17K0876-09

York Project (SDG) No.

17K0876

Client Project ID

100674401 460 West 41st St.

Matrix

Soil

Collection Date/Time

November 21, 2017 9:20 am

Date Received

11/21/2017

VOA, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-20-9	Methyl acetate	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0046	0.0091	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0046	0.0091	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
100-42-5	Styrene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
108-88-3	Toluene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 17:37	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0069	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058	11/29/2017 07:30	11/29/2017 17:37	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	99.1 %	77-125								
2037-26-5	Surrogate: Toluene-d8	97.3 %	85-120								
460-00-4	Surrogate: p-Bromofluorobenzene	95.7 %	76-130								



Sample Information

Client Sample ID: DUP-1

York Sample ID: 17K0876-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Soil

November 21, 2017 9:20 am

11/21/2017

SVOA, 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		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.103	0.207	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.103	0.207	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.103	0.207	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.103	0.207	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR



Sample Information

Client Sample ID: DUP-1

York Sample ID: 17K0876-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Soil

November 21, 2017 9:20 am

11/21/2017

SVOA, 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
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.103	0.207	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 16:48	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.103	0.207	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 16:48	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 16:48	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 16:48	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 16:48	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 16:48	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.103	0.207	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 16:48	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.103	0.207	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 16:48	SR
83-32-9	Acenaphthene	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 16:48	SR
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 16:48	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications:	11/28/2017 06:42 NELAC-NY10854,NJDEP,PADEP	11/28/2017 16:48	SR
62-53-3	Aniline	ND		mg/kg dry	0.207	0.414	2	EPA 8270D Certifications:	11/28/2017 06:42 NELAC-NY10854,NJDEP,PADEP	11/28/2017 16:48	SR
120-12-7	Anthracene	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 16:48	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications:	11/28/2017 06:42 NELAC-NY10854,NJDEP,PADEP	11/28/2017 16:48	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications:	11/28/2017 06:42 NELAC-NY10854,NJDEP,PADEP	11/28/2017 16:48	SR
92-87-5	Benzidine	ND		mg/kg dry	0.207	0.414	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,PADEP	11/28/2017 16:48	SR
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 16:48	SR
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 16:48	SR
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 16:48	SR
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 16:48	SR
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications:	11/28/2017 06:42 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 16:48	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications:	11/28/2017 06:42 NELAC-NY10854,NJDEP,PADEP	11/28/2017 16:48	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications:	11/28/2017 06:42 NELAC-NY10854,NJDEP,PADEP	11/28/2017 16:48	SR



Sample Information

Client Sample ID: DUP-1

York Sample ID: 17K0876-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Soil

November 21, 2017 9:20 am

11/21/2017

SVOA, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.103	0.207	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
86-74-8	Carbazole	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
218-01-9	Chrysene	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
206-44-0	Fluoranthene	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
86-73-7	Fluorene	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR



Sample Information

Client Sample ID: DUP-1

York Sample ID: 17K0876-09

York Project (SDG) No.

17K0876

Client Project ID

100674401 460 West 41st St.

Matrix

Soil

Collection Date/Time

November 21, 2017 9:20 am

Date Received

11/21/2017

SVOA, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
85-01-8	Phenanthrene	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
108-95-2	Phenol	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
129-00-0	Pyrene	ND		mg/kg dry	0.0519	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 06:42	11/28/2017 16:48	SR
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	71.4 %	20-108								
4165-62-2	Surrogate: Phenol-d5	74.7 %	23-114								
4165-60-0	Surrogate: Nitrobenzene-d5	57.7 %	22-108								
321-60-8	Surrogate: 2-Fluorobiphenyl	55.3 %	21-113								
118-79-6	Surrogate: 2,4,6-Tribromophenol	63.5 %	19-110								
1718-51-0	Surrogate: Terphenyl-d14	45.9 %	24-116								

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	9940		mg/kg dry	6.22	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:08	BML
7440-36-0	Antimony	1.76		mg/kg dry	0.622	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:08	BML
7440-38-2	Arsenic	1.91		mg/kg dry	1.24	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:08	BML
7440-39-3	Barium	97.7		mg/kg dry	1.24	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:08	BML
7440-41-7	Beryllium	ND		mg/kg dry	0.124	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:08	BML
7440-43-9	Cadmium	ND		mg/kg dry	0.373	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:08	BML
7440-70-2	Calcium	10200		mg/kg dry	6.22	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:08	BML
7440-47-3	Chromium	19.4		mg/kg dry	0.622	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:08	BML



Sample Information

Client Sample ID: DUP-1

York Sample ID: 17K0876-09

York Project (SDG) No.

17K0876

Client Project ID

100674401 460 West 41st St.

Matrix

Soil

Collection Date/Time

November 21, 2017 9:20 am

Date Received

11/21/2017

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-48-4	Cobalt	8.42		mg/kg dry	0.622	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:08	BML
7440-50-8	Copper	30.9	B	mg/kg dry	0.622	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:08	BML
7439-89-6	Iron	15900		mg/kg dry	2.49	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:08	BML
7439-92-1	Lead	123	B	mg/kg dry	0.622	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:08	BML
7439-95-4	Magnesium	3090		mg/kg dry	6.22	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:08	BML
7439-96-5	Manganese	256		mg/kg dry	0.622	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:08	BML
7440-02-0	Nickel	ND		mg/kg dry	0.622	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:08	BML
7440-09-7	Potassium	1570		mg/kg dry	6.22	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:08	BML
7782-49-2	Selenium	13.1	B	mg/kg dry	1.24	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:08	BML
7440-22-4	Silver	ND		mg/kg dry	0.622	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:08	BML
7440-23-5	Sodium	455		mg/kg dry	12.4	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/28/2017 11:35	11/28/2017 23:08	BML
7440-28-0	Thallium	ND		mg/kg dry	1.24	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:08	BML
7440-62-2	Vanadium	20.9		mg/kg dry	1.24	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:08	BML
7440-66-6	Zinc	66.6		mg/kg dry	1.87	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:08	BML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.218		mg/kg dry	0.0373	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	11/28/2017 15:38	11/28/2017 18:21	SY

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	80.3		%	0.100	1	SM 2540G Certifications: CTDOH	11/22/2017 11:27	11/22/2017 14:35	TJM



Sample Information

Client Sample ID: DUP-1

York Sample ID: 17K0876-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Soil

November 21, 2017 9:20 am

11/21/2017

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.622	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	11/27/2017 08:03	11/27/2017 13:58	DM1

Sample Information

Client Sample ID: LSB-6 (1-3)

York Sample ID: 17K0876-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Soil

November 21, 2017 9:55 am

11/21/2017

VOA, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:09	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:09	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:09	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058	11/29/2017 07:30	11/29/2017 18:09	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:09	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:09	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:09	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:09	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058	11/29/2017 07:30	11/29/2017 18:09	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:09	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:09	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:09	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:09	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:09	SS



Sample Information

Client Sample ID: LSB-6 (1-3)

York Sample ID: 17K0876-10

York Project (SDG) No.

17K0876

Client Project ID

100674401 460 West 41st St.

Matrix

Soil

Collection Date/Time

November 21, 2017 9:55 am

Date Received

11/21/2017

VOA, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:09	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:09	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:09	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:09	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:09	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.046	0.092	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:09	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:09	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:09	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:09	SS
67-64-1	Acetone	0.010	CCV-E, SCAL- E	mg/kg dry	0.0046	0.0092	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:09	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0046	0.0092	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:09	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:09	SS
71-43-2	Benzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:09	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:09	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:09	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:09	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:09	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:09	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:09	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:09	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:09	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:09	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:09	SS



Sample Information

Client Sample ID: LSB-6 (1-3)

York Sample ID: 17K0876-10

York Project (SDG) No.

17K0876

Client Project ID

100674401 460 West 41st St.

Matrix

Soil

Collection Date/Time

November 21, 2017 9:55 am

Date Received

11/21/2017

VOA, 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
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 18:09	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 18:09	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	11/29/2017 07:30 NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 18:09	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	11/29/2017 07:30 NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 18:09	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	11/29/2017 07:30 NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 18:09	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	11/29/2017 07:30 NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 18:09	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 18:09	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	11/29/2017 07:30 NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 18:09	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 18:09	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	11/29/2017 07:30 NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 18:09	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 18:09	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	11/29/2017 07:30 NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 18:09	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0046	0.0092	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 18:09	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 18:09	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 18:09	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/29/2017 18:09	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0046	0.0092	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/29/2017 18:09	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 18:09	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 18:09	SS
100-42-5	Styrene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 18:09	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	11/29/2017 07:30 NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 18:09	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 18:09	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 18:09	SS



Sample Information

Client Sample ID: LSB-6 (1-3)

York Sample ID: 17K0876-10

York Project (SDG) No.

17K0876

Client Project ID

100674401 460 West 41st St.

Matrix

Soil

Collection Date/Time

November 21, 2017 9:55 am

Date Received

11/21/2017

VOA, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-88-3	Toluene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:09	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:09	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:09	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:09	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:09	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:09	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0069	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058	11/29/2017 07:30	11/29/2017 18:09	SS
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	102 %		77-125							
2037-26-5	Surrogate: Toluene-d8	99.7 %		85-120							
460-00-4	Surrogate: p-Bromofluorobenzene	111 %		76-130							

SVOA, 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		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0964	0.193	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0964	0.193	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH



Sample Information

Client Sample ID: LSB-6 (1-3)

York Sample ID: 17K0876-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Soil

November 21, 2017 9:55 am

11/21/2017

SVOA, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications:	11/27/2017 07:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 14:32	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0964	0.193	2	EPA 8270D Certifications:	11/27/2017 07:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 14:32	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications:	11/27/2017 07:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 14:32	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications:	11/27/2017 07:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 14:32	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications:	11/27/2017 07:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 14:32	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications:	11/27/2017 07:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 14:32	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications:	11/27/2017 07:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 14:32	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications:	11/27/2017 07:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 14:32	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0964	0.193	2	EPA 8270D Certifications:	11/27/2017 07:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 14:32	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications:	11/27/2017 07:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 14:32	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications:	11/27/2017 07:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 14:32	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications:	11/27/2017 07:21 NELAC-NY10854,NJDEP,PADEP	11/27/2017 14:32	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0964	0.193	2	EPA 8270D Certifications:	11/27/2017 07:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 14:32	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0964	0.193	2	EPA 8270D Certifications:	11/27/2017 07:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 14:32	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications:	11/27/2017 07:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 14:32	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications:	11/27/2017 07:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 14:32	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications:	11/27/2017 07:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 14:32	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications:	11/27/2017 07:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 14:32	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0964	0.193	2	EPA 8270D Certifications:	11/27/2017 07:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 14:32	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0964	0.193	2	EPA 8270D Certifications:	11/27/2017 07:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 14:32	KH
83-32-9	Acenaphthene	0.0879	J	mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications:	11/27/2017 07:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 14:32	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications:	11/27/2017 07:21 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 14:32	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications:	11/27/2017 07:21 NELAC-NY10854,NJDEP,PADEP	11/27/2017 14:32	KH



Sample Information

Client Sample ID: LSB-6 (1-3)

York Sample ID: 17K0876-10

York Project (SDG) No.

17K0876

Client Project ID

100674401 460 West 41st St.

Matrix

Soil

Collection Date/Time

November 21, 2017 9:55 am

Date Received

11/21/2017

SVOA, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
62-53-3	Aniline	ND		mg/kg dry	0.193	0.386	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
120-12-7	Anthracene	0.0817	J	mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
92-87-5	Benzidine	ND		mg/kg dry	0.193	0.386	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
56-55-3	Benzo(a)anthracene	0.0909	J	mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
50-32-8	Benzo(a)pyrene	0.0948	J	mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
205-99-2	Benzo(b)fluoranthene	0.103		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
191-24-2	Benzo(g,h,i)perylene	0.0578	J	mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
207-08-9	Benzo(k)fluoranthene	0.0709	J	mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
85-68-7	Benzyl butyl phthalate	0.0987		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
117-81-7	Bis(2-ethylhexyl)phthalate	0.0778	J	mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0964	0.193	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
218-01-9	Chrysene	0.0840	J	mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH



Sample Information

Client Sample ID: LSB-6 (1-3)

York Sample ID: 17K0876-10

York Project (SDG) No.

17K0876

Client Project ID

100674401 460 West 41st St.

Matrix

Soil

Collection Date/Time

November 21, 2017 9:55 am

Date Received

11/21/2017

SVOA, 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
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
206-44-0	Fluoranthene	0.193		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
86-73-7	Fluorene	0.0971		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
193-39-5	Indeno(1,2,3-cd)pyrene	0.0524	J	mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
85-01-8	Phenanthrene	0.199		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
108-95-2	Phenol	ND		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
129-00-0	Pyrene	0.187		mg/kg dry	0.0483	0.0964	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 14:32	KH
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	60.6 %	20-108								
4165-62-2	Surrogate: Phenol-d5	62.8 %	23-114								
4165-60-0	Surrogate: Nitrobenzene-d5	75.1 %	22-108								
321-60-8	Surrogate: 2-Fluorobiphenyl	68.5 %	21-113								



Sample Information

Client Sample ID: LSB-6 (1-3)

York Sample ID: 17K0876-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Soil

November 21, 2017 9:55 am

11/21/2017

SVOA, 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
118-79-6	Surrogate: 2,4,6-Tribromophenol	98.7 %			19-110						
1718-51-0	Surrogate: Terphenyl-d14	55.0 %			24-116						

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	9460		mg/kg dry	5.78	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:26	BML
7440-36-0	Antimony	1.47		mg/kg dry	0.578	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:26	BML
7440-38-2	Arsenic	ND		mg/kg dry	1.16	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:26	BML
7440-39-3	Barium	63.8		mg/kg dry	1.16	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:26	BML
7440-41-7	Beryllium	ND		mg/kg dry	0.116	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:26	BML
7440-43-9	Cadmium	ND		mg/kg dry	0.347	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:26	BML
7440-70-2	Calcium	2200		mg/kg dry	5.78	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:26	BML
7440-47-3	Chromium	13.5		mg/kg dry	0.578	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:26	BML
7440-48-4	Cobalt	6.29		mg/kg dry	0.578	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:26	BML
7440-50-8	Copper	21.1	B	mg/kg dry	0.578	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:26	BML
7439-89-6	Iron	13500		mg/kg dry	2.31	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:26	BML
7439-92-1	Lead	89.4	B	mg/kg dry	0.578	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:26	BML
7439-95-4	Magnesium	2610		mg/kg dry	5.78	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:26	BML
7439-96-5	Manganese	170		mg/kg dry	0.578	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:26	BML
7440-02-0	Nickel	ND		mg/kg dry	0.578	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:26	BML
7440-09-7	Potassium	893		mg/kg dry	5.78	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:26	BML
7782-49-2	Selenium	10.9	B	mg/kg dry	1.16	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:26	BML
7440-22-4	Silver	ND		mg/kg dry	0.578	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:26	BML



Sample Information

Client Sample ID: LSB-6 (1-3)

York Sample ID: 17K0876-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Soil

November 21, 2017 9:55 am

11/21/2017

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	Sodium	304		mg/kg dry	11.6	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/28/2017 11:35	11/28/2017 23:26	BML
7440-28-0	Thallium	ND		mg/kg dry	1.16	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:26	BML
7440-62-2	Vanadium	17.5		mg/kg dry	1.16	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:26	BML
7440-66-6	Zinc	45.4		mg/kg dry	1.73	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:26	BML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.345		mg/kg dry	0.0347	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	11/28/2017 15:38	11/28/2017 18:30	SY

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	86.5		%	0.100	1	SM 2540G Certifications: CTDOH	11/22/2017 11:27	11/22/2017 14:35	TJM

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.578	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	11/27/2017 08:03	11/27/2017 13:58	DM1

Sample Information

Client Sample ID: LSB-11 (1-3)

York Sample ID: 17K0876-11

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Soil

November 21, 2017 11:00 am

11/21/2017

VOA, 8260 Comprehensive

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: LSB-11 (1-3)

York Sample ID: 17K0876-11

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Soil

November 21, 2017 11:00 am

11/21/2017

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058	11/29/2017 07:30	11/29/2017 18:41	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058	11/29/2017 07:30	11/29/2017 18:41	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.047	0.094	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS



Sample Information

Client Sample ID: LSB-11 (1-3)

York Sample ID: 17K0876-11

York Project (SDG) No.

17K0876

Client Project ID

100674401 460 West 41st St.

Matrix

Soil

Collection Date/Time

November 21, 2017 11:00 am

Date Received

11/21/2017

VOA, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	0.0064	CCV-E, SCAL- E, J	mg/kg dry	0.0047	0.0094	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 18:41	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0047	0.0094	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 18:41	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 18:41	SS
71-43-2	Benzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 18:41	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	11/29/2017 07:30 NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 18:41	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 18:41	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 18:41	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 18:41	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 18:41	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 18:41	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 18:41	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 18:41	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 18:41	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 18:41	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 18:41	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 18:41	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	11/29/2017 07:30 NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 18:41	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	11/29/2017 07:30 NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 18:41	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	11/29/2017 07:30 NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 18:41	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	11/29/2017 07:30 NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 18:41	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 18:41	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	11/29/2017 07:30 NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 18:41	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 18:41	SS



Sample Information

Client Sample ID: LSB-11 (1-3)

York Sample ID: 17K0876-11

York Project (SDG) No.

17K0876

Client Project ID

100674401 460 West 41st St.

Matrix

Soil

Collection Date/Time

November 21, 2017 11:00 am

Date Received

11/21/2017

VOA, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-20-9	Methyl acetate	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0047	0.0094	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0047	0.0094	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
100-42-5	Styrene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
108-88-3	Toluene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 18:41	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0071	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058	11/29/2017 07:30	11/29/2017 18:41	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	102 %	77-125
2037-26-5	Surrogate: Toluene-d8	102 %	85-120
460-00-4	Surrogate: p-Bromofluorobenzene	94.7 %	76-130



Sample Information

Client Sample ID: LSB-11 (1-3)

York Sample ID: 17K0876-11

York Project (SDG) No.

17K0876

Client Project ID

100674401 460 West 41st St.

Matrix

Soil

Collection Date/Time

November 21, 2017 11:00 am

Date Received

11/21/2017

SVOA, 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		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0935	0.187	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0935	0.187	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0935	0.187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0935	0.187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH



Sample Information

Client Sample ID: LSB-11 (1-3)

York Sample ID: 17K0876-11

York Project (SDG) No.

17K0876

Client Project ID

100674401 460 West 41st St.

Matrix

Soil

Collection Date/Time

November 21, 2017 11:00 am

Date Received

11/21/2017

SVOA, 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
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0935	0.187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0935	0.187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0935	0.187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0935	0.187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
62-53-3	Aniline	ND		mg/kg dry	0.187	0.374	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
120-12-7	Anthracene	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
92-87-5	Benzidine	ND		mg/kg dry	0.187	0.374	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
56-55-3	Benzo(a)anthracene	0.111		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
50-32-8	Benzo(a)pyrene	0.111		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
205-99-2	Benzo(b)fluoranthene	0.111		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
191-24-2	Benzo(g,h,i)perylene	0.105		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
207-08-9	Benzo(k)fluoranthene	0.0971		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH



Sample Information

Client Sample ID: LSB-11 (1-3)

York Sample ID: 17K0876-11

York Project (SDG) No.

17K0876

Client Project ID

100674401 460 West 41st St.

Matrix

Soil

Collection Date/Time

November 21, 2017 11:00 am

Date Received

11/21/2017

SVOA, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
117-81-7	Bis(2-ethylhexyl)phthalate	0.0628	J	mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0935	0.187	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
218-01-9	Chrysene	0.104		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
206-44-0	Fluoranthene	0.181		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
193-39-5	Indeno(1,2,3-cd)pyrene	0.101		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH



Sample Information

Client Sample ID: LSB-11 (1-3)

York Sample ID: 17K0876-11

York Project (SDG) No.

17K0876

Client Project ID

100674401 460 West 41st St.

Matrix

Soil

Collection Date/Time

November 21, 2017 11:00 am

Date Received

11/21/2017

SVOA, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
85-01-8	Phenanthrene	0.0964		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
108-95-2	Phenol	ND		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
129-00-0	Pyrene	0.170		mg/kg dry	0.0468	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:03	KH
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	61.7 %	20-108								
4165-62-2	Surrogate: Phenol-d5	73.5 %	23-114								
4165-60-0	Surrogate: Nitrobenzene-d5	75.7 %	22-108								
321-60-8	Surrogate: 2-Fluorobiphenyl	71.2 %	21-113								
118-79-6	Surrogate: 2,4,6-Tribromophenol	73.1 %	19-110								
1718-51-0	Surrogate: Terphenyl-d14	62.4 %	24-116								

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	8100		mg/kg dry	5.62	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:30	BML
7440-36-0	Antimony	ND		mg/kg dry	0.562	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:30	BML
7440-38-2	Arsenic	2.83		mg/kg dry	1.12	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:30	BML
7440-39-3	Barium	107		mg/kg dry	1.12	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:30	BML
7440-41-7	Beryllium	ND		mg/kg dry	0.112	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:30	BML
7440-43-9	Cadmium	ND		mg/kg dry	0.337	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:30	BML
7440-70-2	Calcium	16200		mg/kg dry	5.62	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:30	BML



Sample Information

Client Sample ID: LSB-11 (1-3)

York Sample ID: 17K0876-11

York Project (SDG) No.

17K0876

Client Project ID

100674401 460 West 41st St.

Matrix

Soil

Collection Date/Time

November 21, 2017 11:00 am

Date Received

11/21/2017

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-47-3	Chromium	12.2		mg/kg dry	0.562	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:30	BML
7440-48-4	Cobalt	7.02		mg/kg dry	0.562	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:30	BML
7440-50-8	Copper	28.8	B	mg/kg dry	0.562	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:30	BML
7439-89-6	Iron	18000		mg/kg dry	2.25	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:30	BML
7439-92-1	Lead	60.0	B	mg/kg dry	0.562	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:30	BML
7439-95-4	Magnesium	3070		mg/kg dry	5.62	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:30	BML
7439-96-5	Manganese	317		mg/kg dry	0.562	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:30	BML
7440-02-0	Nickel	ND		mg/kg dry	0.562	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:30	BML
7440-09-7	Potassium	1330		mg/kg dry	5.62	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:30	BML
7782-49-2	Selenium	14.0	B	mg/kg dry	1.12	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:30	BML
7440-22-4	Silver	ND		mg/kg dry	0.562	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:30	BML
7440-23-5	Sodium	219		mg/kg dry	11.2	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/28/2017 11:35	11/28/2017 23:30	BML
7440-28-0	Thallium	ND		mg/kg dry	1.12	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:30	BML
7440-62-2	Vanadium	15.8		mg/kg dry	1.12	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:30	BML
7440-66-6	Zinc	74.9		mg/kg dry	1.69	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:30	BML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.0957		mg/kg dry	0.0337	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	11/28/2017 15:38	11/28/2017 18:38	SY

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

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



Sample Information

Client Sample ID: LSB-11 (1-3)

York Sample ID: 17K0876-11

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Soil

November 21, 2017 11:00 am

11/21/2017

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	88.9		%	0.100	1	SM 2540G Certifications: CTDOH	11/27/2017 11:14	11/27/2017 13:10	TAJ

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.562	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	11/27/2017 08:03	11/27/2017 13:58	DM1

Sample Information

Client Sample ID: LSB-10 (1-3)

York Sample ID: 17K0876-12

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Soil

November 21, 2017 11:50 am

11/21/2017

VOA, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 19:13	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 19:13	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 19:13	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058	11/29/2017 07:30	11/29/2017 19:13	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 19:13	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 19:13	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 19:13	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 19:13	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058	11/29/2017 07:30	11/29/2017 19:13	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 19:13	SS



Sample Information

Client Sample ID: LSB-10 (1-3)

York Sample ID: 17K0876-12

York Project (SDG) No.

17K0876

Client Project ID

100674401 460 West 41st St.

Matrix

Soil

Collection Date/Time

November 21, 2017 11:50 am

Date Received

11/21/2017

VOA, 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		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 19:13	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 19:13	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 19:13	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 19:13	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 19:13	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 19:13	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 19:13	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 19:13	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 19:13	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.046	0.092	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 19:13	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 19:13	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 19:13	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 19:13	SS
67-64-1	Acetone	ND		mg/kg dry	0.0046	0.0092	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 19:13	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0046	0.0092	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 19:13	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 19:13	SS
71-43-2	Benzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 19:13	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 19:13	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 19:13	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 19:13	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 19:13	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 19:13	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 19:13	SS



Sample Information

Client Sample ID: LSB-10 (1-3)

York Sample ID: 17K0876-12

York Project (SDG) No.

17K0876

Client Project ID

100674401 460 West 41st St.

Matrix

Soil

Collection Date/Time

November 21, 2017 11:50 am

Date Received

11/21/2017

VOA, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 19:13	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 19:13	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 19:13	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 19:13	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 19:13	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 19:13	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	11/29/2017 07:30 NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 19:13	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	11/29/2017 07:30 NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 19:13	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	11/29/2017 07:30 NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 19:13	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	11/29/2017 07:30 NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 19:13	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 19:13	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	11/29/2017 07:30 NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 19:13	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 19:13	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	11/29/2017 07:30 NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 19:13	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 19:13	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	11/29/2017 07:30 NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 19:13	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0046	0.0092	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 19:13	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 19:13	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 19:13	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/29/2017 19:13	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0046	0.0092	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/29/2017 19:13	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 19:13	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 19:13	SS



Sample Information

Client Sample ID: LSB-10 (1-3)

York Sample ID: 17K0876-12

York Project (SDG) No.

17K0876

Client Project ID

100674401 460 West 41st St.

Matrix

Soil

Collection Date/Time

November 21, 2017 11:50 am

Date Received

11/21/2017

VOA, 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
100-42-5	Styrene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 19:13	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 19:13	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 19:13	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 19:13	SS
108-88-3	Toluene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 19:13	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 19:13	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 19:13	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 19:13	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 19:13	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 19:13	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0069	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058	11/29/2017 07:30	11/29/2017 19:13	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	98.8 %	77-125								
2037-26-5	Surrogate: Toluene-d8	98.1 %	85-120								
460-00-4	Surrogate: p-Bromofluorobenzene	94.5 %	76-130								

SVOA, 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		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0842	0.168	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH



Sample Information

Client Sample ID: LSB-10 (1-3)

York Sample ID: 17K0876-12

York Project (SDG) No.

17K0876

Client Project ID

100674401 460 West 41st St.

Matrix

Soil

Collection Date/Time

November 21, 2017 11:50 am

Date Received

11/21/2017

SVOA, 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
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0842	0.168	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0842	0.168	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0842	0.168	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0842	0.168	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0842	0.168	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0842	0.168	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH



Sample Information

Client Sample ID: LSB-10 (1-3)

York Sample ID: 17K0876-12

York Project (SDG) No.

17K0876

Client Project ID

100674401 460 West 41st St.

Matrix

Soil

Collection Date/Time

November 21, 2017 11:50 am

Date Received

11/21/2017

SVOA, 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
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0842	0.168	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
62-53-3	Aniline	ND		mg/kg dry	0.169	0.337	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
120-12-7	Anthracene	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
92-87-5	Benzidine	ND		mg/kg dry	0.169	0.337	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0842	0.168	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH



Sample Information

Client Sample ID: LSB-10 (1-3)

York Sample ID: 17K0876-12

York Project (SDG) No.

17K0876

Client Project ID

100674401 460 West 41st St.

Matrix

Soil

Collection Date/Time

November 21, 2017 11:50 am

Date Received

11/21/2017

SVOA, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
218-01-9	Chrysene	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
206-44-0	Fluoranthene	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
85-01-8	Phenanthrene	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
108-95-2	Phenol	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH



Sample Information

Client Sample ID: LSB-10 (1-3)

York Sample ID: 17K0876-12

York Project (SDG) No.

17K0876

Client Project ID

100674401 460 West 41st St.

Matrix

Soil

Collection Date/Time

November 21, 2017 11:50 am

Date Received

11/21/2017

SVOA, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
129-00-0	Pyrene	ND		mg/kg dry	0.0422	0.0842	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:21	11/27/2017 15:33	KH
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: 2-Fluorophenol	66.6 %			20-108						
4165-62-2	Surrogate: Phenol-d5	70.9 %			23-114						
4165-60-0	Surrogate: Nitrobenzene-d5	73.6 %			22-108						
321-60-8	Surrogate: 2-Fluorobiphenyl	73.8 %			21-113						
118-79-6	Surrogate: 2,4,6-Tribromophenol	81.0 %			19-110						
1718-51-0	Surrogate: Terphenyl-d14	63.5 %			24-116						

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	1210		mg/kg dry	5.05	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:35	BML
7440-36-0	Antimony	0.914		mg/kg dry	0.505	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:35	BML
7440-38-2	Arsenic	ND		mg/kg dry	1.01	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:35	BML
7440-39-3	Barium	11.3		mg/kg dry	1.01	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:35	BML
7440-41-7	Beryllium	ND		mg/kg dry	0.101	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:35	BML
7440-43-9	Cadmium	ND		mg/kg dry	0.303	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:35	BML
7440-70-2	Calcium	688		mg/kg dry	5.05	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:35	BML
7440-47-3	Chromium	10.8		mg/kg dry	0.505	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:35	BML
7440-48-4	Cobalt	1.40		mg/kg dry	0.505	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:35	BML
7440-50-8	Copper	5.08	B	mg/kg dry	0.505	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:35	BML
7439-89-6	Iron	4820		mg/kg dry	2.02	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:35	BML
7439-92-1	Lead	3.57	B	mg/kg dry	0.505	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:35	BML
7439-95-4	Magnesium	457		mg/kg dry	5.05	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:35	BML
7439-96-5	Manganese	108		mg/kg dry	0.505	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:35	BML



Sample Information

Client Sample ID: LSB-10 (1-3)

York Sample ID: 17K0876-12

York Project (SDG) No.

17K0876

Client Project ID

100674401 460 West 41st St.

Matrix

Soil

Collection Date/Time

November 21, 2017 11:50 am

Date Received

11/21/2017

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	Nickel	ND		mg/kg dry	0.505	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:35	BML
7440-09-7	Potassium	367		mg/kg dry	5.05	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:35	BML
7782-49-2	Selenium	4.24	B	mg/kg dry	1.01	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:35	BML
7440-22-4	Silver	ND		mg/kg dry	0.505	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:35	BML
7440-23-5	Sodium	200		mg/kg dry	10.1	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	11/28/2017 11:35	11/28/2017 23:35	BML
7440-28-0	Thallium	ND		mg/kg dry	1.01	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:35	BML
7440-62-2	Vanadium	5.01		mg/kg dry	1.01	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:35	BML
7440-66-6	Zinc	5.81		mg/kg dry	1.52	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 11:35	11/28/2017 23:35	BML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0303	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	11/28/2017 15:38	11/28/2017 18:47	SY

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	99.0		%	0.100	1	SM 2540G Certifications: CTDOH	11/27/2017 11:14	11/27/2017 13:10	TAJ

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.505	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	11/27/2017 08:03	11/27/2017 13:58	DM1



Sample Information

Client Sample ID: FB-1

York Sample ID: 17K0876-13

York Project (SDG) No.

17K0876

Client Project ID

100674401 460 West 41st St.

Matrix

Water

Collection Date/Time

November 21, 2017 12:40 pm

Date Received

11/21/2017

VOA, 8260 Low 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	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR



Sample Information

Client Sample ID: FB-1

York Sample ID: 17K0876-13

York Project (SDG) No.

17K0876

Client Project ID

100674401 460 West 41st St.

Matrix

Water

Collection Date/Time

November 21, 2017 12:40 pm

Date Received

11/21/2017

VOA, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
67-64-1	Acetone	1.07		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR



Sample Information

Client Sample ID: FB-1

York Sample ID: 17K0876-13

York Project (SDG) No.

17K0876

Client Project ID

100674401 460 West 41st St.

Matrix

Water

Collection Date/Time

November 21, 2017 12:40 pm

Date Received

11/21/2017

VOA, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
105-05-5	* p-Diethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 12:00	SR
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 12:00	SR
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:00	SR
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058	11/29/2017 07:30	11/29/2017 12:00	SR

Surrogate Recoveries

Result

Acceptance Range



Sample Information

Client Sample ID: FB-1

York Sample ID: 17K0876-13

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Water

November 21, 2017 12:40 pm

11/21/2017

VOA, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	102 %			69-130						
2037-26-5	Surrogate: Toluene-d8	99.7 %			81-117						
460-00-4	Surrogate: p-Bromofluorobenzene	108 %			79-122						

Sample Information

Client Sample ID: TB-1

York Sample ID: 17K0876-14

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0876

100674401 460 West 41st St.

Water

November 21, 2017 1:00 pm

11/21/2017

VOA, 8260 Low 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	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR



Sample Information

Client Sample ID: TB-1

York Sample ID: 17K0876-14

York Project (SDG) No.

17K0876

Client Project ID

100674401 460 West 41st St.

Matrix

Water

Collection Date/Time

November 21, 2017 1:00 pm

Date Received

11/21/2017

VOA, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR



Sample Information

Client Sample ID: TB-1

York Sample ID: 17K0876-14

York Project (SDG) No.

17K0876

Client Project ID

100674401 460 West 41st St.

Matrix

Water

Collection Date/Time

November 21, 2017 1:00 pm

Date Received

11/21/2017

VOA, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 12:27	SR
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 12:27	SR
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 12:27	SR
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 12:27	SR
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 12:27	SR
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 12:27	SR
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 12:27	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 12:27	SR
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 12:27	SR
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 12:27	SR
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 12:27	SR
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 12:27	SR
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 12:27	SR
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 12:27	SR
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 12:27	SR
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 12:27	SR
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 12:27	SR
105-05-5	* p-Diethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 12:27	SR
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 12:27	SR
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 12:27	SR
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 12:27	SR
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 12:27	SR
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 12:27	SR



Sample Information

Client Sample ID: TB-1

York Sample ID: 17K0876-14

York Project (SDG) No.

17K0876

Client Project ID

100674401 460 West 41st St.

Matrix

Water

Collection Date/Time

November 21, 2017 1:00 pm

Date Received

11/21/2017

VOA, 8260 Low 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
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 12:27	SR
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058	11/29/2017 07:30	11/29/2017 12:27	SR
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	100 %	69-130								
2037-26-5	Surrogate: Toluene-d8	101 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	111 %	79-122								



Analytical Batch Summary

Batch ID: BK71113 **Preparation Method:** % Solids Prep **Prepared By:** TJM

YORK Sample ID	Client Sample ID	Preparation Date
17K0876-01	LSB-4 (15-17)	11/22/17
17K0876-02	LSB-3 (15-17)	11/22/17
17K0876-03	LSB-1 (15-17)	11/22/17
17K0876-04	LSB-2 (15-17)	11/22/17
17K0876-05	LSB-9 (0-2)	11/22/17
17K0876-06	LSB-8 (0-2)	11/22/17
17K0876-07	LSB-7 (0-2)	11/22/17
17K0876-08	LSB-5 (1-3)	11/22/17
17K0876-09	DUP-1	11/22/17
17K0876-10	LSB-6 (1-3)	11/22/17

Batch ID: BK71149 **Preparation Method:** EPA 3550C **Prepared By:** AB

YORK Sample ID	Client Sample ID	Preparation Date
17K0876-10	LSB-6 (1-3)	11/27/17
17K0876-11	LSB-11 (1-3)	11/27/17
17K0876-12	LSB-10 (1-3)	11/27/17
BK71149-BLK1	Blank	11/27/17
BK71149-BS1	LCS	11/27/17
BK71149-MS1	Matrix Spike	11/27/17
BK71149-MSD1	Matrix Spike Dup	11/27/17

Batch ID: BK71157 **Preparation Method:** EPA SW846-3060 **Prepared By:** DM1

YORK Sample ID	Client Sample ID	Preparation Date
17K0876-01	LSB-4 (15-17)	11/27/17
17K0876-02	LSB-3 (15-17)	11/27/17
17K0876-03	LSB-1 (15-17)	11/27/17
17K0876-04	LSB-2 (15-17)	11/27/17
17K0876-05	LSB-9 (0-2)	11/27/17
17K0876-06	LSB-8 (0-2)	11/27/17
17K0876-07	LSB-7 (0-2)	11/27/17
17K0876-08	LSB-5 (1-3)	11/27/17
17K0876-09	DUP-1	11/27/17
17K0876-10	LSB-6 (1-3)	11/27/17
17K0876-11	LSB-11 (1-3)	11/27/17
17K0876-12	LSB-10 (1-3)	11/27/17
BK71157-BLK1	Blank	11/27/17
BK71157-SRM1	Reference	11/27/17

Batch ID: BK71181 **Preparation Method:** % Solids Prep **Prepared By:** TAJ

YORK Sample ID	Client Sample ID	Preparation Date
17K0876-11	LSB-11 (1-3)	11/27/17



17K0876-12

LSB-10 (1-3)

11/27/17

Batch ID: BK71216**Preparation Method:** EPA 3550C**Prepared By:** SGM

YORK Sample ID	Client Sample ID	Preparation Date
17K0876-01	LSB-4 (15-17)	11/28/17
17K0876-02	LSB-3 (15-17)	11/28/17
17K0876-03	LSB-1 (15-17)	11/28/17
17K0876-04	LSB-2 (15-17)	11/28/17
17K0876-05	LSB-9 (0-2)	11/28/17
17K0876-06	LSB-8 (0-2)	11/28/17
17K0876-07	LSB-7 (0-2)	11/28/17
17K0876-08	LSB-5 (1-3)	11/28/17
17K0876-09	DUP-1	11/28/17
BK71216-BLK1	Blank	11/28/17
BK71216-BS1	LCS	11/28/17

Batch ID: BK71263**Preparation Method:** EPA 3050B**Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
17K0876-01	LSB-4 (15-17)	11/28/17
17K0876-02	LSB-3 (15-17)	11/28/17
17K0876-03	LSB-1 (15-17)	11/28/17
17K0876-04	LSB-2 (15-17)	11/28/17
17K0876-05	LSB-9 (0-2)	11/28/17
17K0876-06	LSB-8 (0-2)	11/28/17
17K0876-07	LSB-7 (0-2)	11/28/17
17K0876-08	LSB-5 (1-3)	11/28/17
17K0876-09	DUP-1	11/28/17
17K0876-10	LSB-6 (1-3)	11/28/17
17K0876-11	LSB-11 (1-3)	11/28/17
17K0876-12	LSB-10 (1-3)	11/28/17
BK71263-BLK1	Blank	11/28/17
BK71263-SRM1	Reference	11/28/17

Batch ID: BK71278**Preparation Method:** EPA 7473 soil**Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
17K0876-01	LSB-4 (15-17)	11/28/17
17K0876-02	LSB-3 (15-17)	11/28/17
17K0876-03	LSB-1 (15-17)	11/28/17
17K0876-04	LSB-2 (15-17)	11/28/17
17K0876-05	LSB-9 (0-2)	11/28/17
17K0876-06	LSB-8 (0-2)	11/28/17
17K0876-07	LSB-7 (0-2)	11/28/17
17K0876-08	LSB-5 (1-3)	11/28/17
17K0876-09	DUP-1	11/28/17
17K0876-10	LSB-6 (1-3)	11/28/17
17K0876-11	LSB-11 (1-3)	11/28/17
17K0876-12	LSB-10 (1-3)	11/28/17



BK71278-BLK1	Blank	11/28/17
BK71278-DUP1	Duplicate	11/28/17
BK71278-MS1	Matrix Spike	11/28/17
BK71278-SRM1	Reference	11/28/17

Batch ID: BK71301 **Preparation Method:** EPA 5035A **Prepared By:** RDS

YORK Sample ID	Client Sample ID	Preparation Date
17K0876-01	LSB-4 (15-17)	11/29/17
17K0876-02	LSB-3 (15-17)	11/29/17
17K0876-03	LSB-1 (15-17)	11/29/17
17K0876-04	LSB-2 (15-17)	11/29/17
17K0876-05	LSB-9 (0-2)	11/29/17
17K0876-06	LSB-8 (0-2)	11/29/17
17K0876-07	LSB-7 (0-2)	11/29/17
17K0876-08	LSB-5 (1-3)	11/29/17
17K0876-09	DUP-1	11/29/17
17K0876-10	LSB-6 (1-3)	11/29/17
17K0876-11	LSB-11 (1-3)	11/29/17
17K0876-12	LSB-10 (1-3)	11/29/17
BK71301-BLK1	Blank	11/29/17
BK71301-BS1	LCS	11/29/17
BK71301-BSD1	LCS Dup	11/29/17

Batch ID: BK71304 **Preparation Method:** EPA 5030B **Prepared By:** RDS

YORK Sample ID	Client Sample ID	Preparation Date
17K0876-13	FB-1	11/29/17
17K0876-14	TB-1	11/29/17
BK71304-BLK1	Blank	11/29/17
BK71304-BS1	LCS	11/29/17
BK71304-BSD1	LCS Dup	11/29/17



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK71301 - EPA 5035A											
Blank (BK71301-BLK1)										Prepared & Analyzed: 11/29/2017	
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BK71301 - EPA 5035A

Blank (BK71301-BLK1)

Prepared & Analyzed: 11/29/2017

n-Butylbenzene	ND	0.0050	mg/kg wet
n-Propylbenzene	ND	0.0050	"
o-Xylene	ND	0.0050	"
p- & m- Xylenes	ND	0.010	"
p-Isopropyltoluene	ND	0.0050	"
sec-Butylbenzene	ND	0.0050	"
Styrene	ND	0.0050	"
tert-Butyl alcohol (TBA)	ND	0.0050	"
tert-Butylbenzene	ND	0.0050	"
Tetrachloroethylene	ND	0.0050	"
Toluene	ND	0.0050	"
trans-1,2-Dichloroethylene	ND	0.0050	"
trans-1,3-Dichloropropylene	ND	0.0050	"
Trichloroethylene	ND	0.0050	"
Trichlorofluoromethane	ND	0.0050	"
Vinyl Chloride	ND	0.0050	"
Xylenes, Total	ND	0.015	"

Surrogate: 1,2-Dichloroethane-d4	49.8	ug/L	50.0	99.5	77-125
Surrogate: Toluene-d8	49.3	"	50.0	98.6	85-120
Surrogate: p-Bromofluorobenzene	46.6	"	50.0	93.2	76-130

LCS (BK71301-BS1)

Prepared & Analyzed: 11/29/2017

1,1,1,2-Tetrachloroethane	52.4	ug/L	50.0	105	75-129
1,1,1-Trichloroethane	55.8	"	50.0	112	71-137
1,1,2,2-Tetrachloroethane	50.1	"	50.0	100	79-129
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	37.2	"	50.0	74.5	58-146
1,1,2-Trichloroethane	51.4	"	50.0	103	83-123
1,1-Dichloroethane	55.3	"	50.0	111	75-130
1,1-Dichloroethylene	35.0	"	50.0	70.1	64-137
1,2,3-Trichlorobenzene	58.2	"	50.0	116	81-140
1,2,3-Trichloropropane	49.3	"	50.0	98.6	81-126
1,2,4-Trichlorobenzene	58.0	"	50.0	116	80-141
1,2,4-Trimethylbenzene	48.4	"	50.0	96.8	84-125
1,2-Dibromo-3-chloropropane	51.4	"	50.0	103	74-142
1,2-Dibromoethane	51.8	"	50.0	104	86-123
1,2-Dichlorobenzene	51.1	"	50.0	102	85-122
1,2-Dichloroethane	49.1	"	50.0	98.2	71-133
1,2-Dichloropropane	51.1	"	50.0	102	81-122
1,3,5-Trimethylbenzene	49.7	"	50.0	99.5	82-126
1,3-Dichlorobenzene	51.1	"	50.0	102	84-124
1,4-Dichlorobenzene	50.9	"	50.0	102	84-124
1,4-Dioxane	1290	"	1000	129	10-228
2-Butanone	50.4	"	50.0	101	58-147
2-Hexanone	48.9	"	50.0	97.8	70-139
4-Methyl-2-pentanone	47.5	"	50.0	95.0	72-132
Acetone	28.7	"	50.0	57.4	36-155
Acrolein	28.7	"	50.0	57.3	10-238
Acrylonitrile	55.5	"	50.0	111	66-141
Benzene	54.5	"	50.0	109	77-127
Bromochloromethane	49.8	"	50.0	99.5	74-129
Bromodichloromethane	54.4	"	50.0	109	81-124



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BK71301 - EPA 5035A

LCS (BK71301-BS1)

Prepared & Analyzed: 11/29/2017

Bromoform	59.8		ug/L	50.0		120	80-136				
Bromomethane	29.7		"	50.0		59.3	32-177				
Carbon disulfide	34.6		"	50.0		69.2	10-136				
Carbon tetrachloride	56.0		"	50.0		112	66-143				
Chlorobenzene	52.0		"	50.0		104	86-120				
Chloroethane	30.0		"	50.0		60.1	51-142				
Chloroform	55.2		"	50.0		110	76-131				
Chloromethane	40.5		"	50.0		81.0	49-132				
cis-1,2-Dichloroethylene	55.0		"	50.0		110	74-132				
cis-1,3-Dichloropropylene	55.0		"	50.0		110	81-129				
Cyclohexane	52.1		"	50.0		104	70-130				
Dibromochloromethane	53.6		"	50.0		107	10-200				
Dibromomethane	51.0		"	50.0		102	83-124				
Dichlorodifluoromethane	56.5		"	50.0		113	28-158				
Ethyl Benzene	49.5		"	50.0		98.9	84-125				
Hexachlorobutadiene	60.2		"	50.0		120	83-133				
Isopropylbenzene	51.1		"	50.0		102	81-127				
Methyl acetate	26.8		"	50.0		53.6	41-143				
Methyl tert-butyl ether (MTBE)	56.6		"	50.0		113	74-131				
Methylcyclohexane	53.7		"	50.0		107	70-130				
Methylene chloride	32.3		"	50.0		64.6	57-141				
n-Butylbenzene	46.7		"	50.0		93.4	80-130				
n-Propylbenzene	49.4		"	50.0		98.8	74-136				
o-Xylene	50.2		"	50.0		100	83-123				
p- & m- Xylenes	97.2		"	100		97.2	82-128				
p-Isopropyltoluene	50.4		"	50.0		101	85-125				
sec-Butylbenzene	50.0		"	50.0		99.9	83-125				
Styrene	48.2		"	50.0		96.4	86-126				
tert-Butyl alcohol (TBA)	53.5		"	50.0		107	70-130				
tert-Butylbenzene	51.7		"	50.0		103	80-127				
Tetrachloroethylene	55.7		"	50.0		111	80-129				
Toluene	50.7		"	50.0		101	85-121				
trans-1,2-Dichloroethylene	56.0		"	50.0		112	72-132				
trans-1,3-Dichloropropylene	53.9		"	50.0		108	78-132				
Trichloroethylene	53.0		"	50.0		106	84-123				
Trichlorofluoromethane	39.6		"	50.0		79.3	62-140				
Vinyl Chloride	32.0		"	50.0		64.0	52-130				
Surrogate: 1,2-Dichloroethane-d4	44.3		"	50.0		88.5	77-125				
Surrogate: Toluene-d8	47.0		"	50.0		94.1	85-120				
Surrogate: p-Bromofluorobenzene	54.8		"	50.0		110	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK71301 - EPA 5035A											
LCS Dup (BK71301-BSD1)						Prepared & Analyzed: 11/29/2017					
1,1,1,2-Tetrachloroethane	52.2		ug/L	50.0		104	75-129		0.440	30	
1,1,1-Trichloroethane	58.2		"	50.0		116	71-137		4.14	30	
1,1,2,2-Tetrachloroethane	51.9		"	50.0		104	79-129		3.41	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	38.4		"	50.0		76.8	58-146		3.09	30	
1,1,2-Trichloroethane	52.3		"	50.0		105	83-123		1.77	30	
1,1-Dichloroethane	58.3		"	50.0		117	75-130		5.33	30	
1,1-Dichloroethylene	37.7		"	50.0		75.3	64-137		7.26	30	
1,2,3-Trichlorobenzene	61.0		"	50.0		122	81-140		4.75	30	
1,2,3-Trichloropropane	50.6		"	50.0		101	81-126		2.66	30	
1,2,4-Trichlorobenzene	59.4		"	50.0		119	80-141		2.35	30	
1,2,4-Trimethylbenzene	49.4		"	50.0		98.7	84-125		1.96	30	
1,2-Dibromo-3-chloropropane	53.8		"	50.0		108	74-142		4.49	30	
1,2-Dibromoethane	52.3		"	50.0		105	86-123		0.845	30	
1,2-Dichlorobenzene	52.2		"	50.0		104	85-122		2.23	30	
1,2-Dichloroethane	51.7		"	50.0		103	71-133		5.24	30	
1,2-Dichloropropane	52.4		"	50.0		105	81-122		2.40	30	
1,3,5-Trimethylbenzene	50.5		"	50.0		101	82-126		1.46	30	
1,3-Dichlorobenzene	52.3		"	50.0		105	84-124		2.32	30	
1,4-Dichlorobenzene	52.6		"	50.0		105	84-124		3.25	30	
1,4-Dioxane	1380		"	1000		138	10-228		6.45	30	
2-Butanone	52.3		"	50.0		105	58-147		3.82	30	
2-Hexanone	49.8		"	50.0		99.6	70-139		1.88	30	
4-Methyl-2-pentanone	46.8		"	50.0		93.6	72-132		1.53	30	
Acetone	26.5		"	50.0		53.0	36-155		8.04	30	
Acrolein	31.6		"	50.0		63.2	10-238		9.73	30	
Acrylonitrile	58.9		"	50.0		118	66-141		5.91	30	
Benzene	57.4		"	50.0		115	77-127		5.31	30	
Bromochloromethane	52.3		"	50.0		105	74-129		5.00	30	
Bromodichloromethane	55.2		"	50.0		110	81-124		1.48	30	
Bromoform	60.9		"	50.0		122	80-136		1.76	30	
Bromomethane	31.3		"	50.0		62.7	32-177		5.44	30	
Carbon disulfide	36.3		"	50.0		72.6	10-136		4.83	30	
Carbon tetrachloride	60.3		"	50.0		121	66-143		7.43	30	
Chlorobenzene	53.4		"	50.0		107	86-120		2.64	30	
Chloroethane	31.1		"	50.0		62.2	51-142		3.40	30	
Chloroform	58.0		"	50.0		116	76-131		4.99	30	
Chloromethane	41.8		"	50.0		83.7	49-132		3.28	30	
cis-1,2-Dichloroethylene	57.6		"	50.0		115	74-132		4.65	30	
cis-1,3-Dichloropropylene	55.0		"	50.0		110	81-129		0.0364	30	
Cyclohexane	55.4		"	50.0		111	70-130		6.07	30	
Dibromochloromethane	55.2		"	50.0		110	10-200		2.92	30	
Dibromomethane	51.6		"	50.0		103	83-124		1.05	30	
Dichlorodifluoromethane	60.6		"	50.0		121	28-158		7.12	30	
Ethyl Benzene	50.5		"	50.0		101	84-125		2.08	30	
Hexachlorobutadiene	61.4		"	50.0		123	83-133		2.01	30	
Isopropylbenzene	52.2		"	50.0		104	81-127		1.99	30	
Methyl acetate	28.6		"	50.0		57.3	41-143		6.57	30	
Methyl tert-butyl ether (MTBE)	58.8		"	50.0		118	74-131		3.95	30	
Methylcyclohexane	53.4		"	50.0		107	70-130		0.598	30	
Methylene chloride	36.2		"	50.0		72.4	57-141		11.3	30	
n-Butylbenzene	48.4		"	50.0		96.8	80-130		3.60	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BK71301 - EPA 5035A

LCS Dup (BK71301-BSD1)

Prepared & Analyzed: 11/29/2017

n-Propylbenzene	51.6		ug/L	50.0		103	74-136		4.34	30	
o-Xylene	52.0		"	50.0		104	83-123		3.47	30	
p- & m- Xylenes	98.5		"	100		98.5	82-128		1.31	30	
p-Isopropyltoluene	50.2		"	50.0		100	85-125		0.298	30	
sec-Butylbenzene	50.5		"	50.0		101	83-125		1.08	30	
Styrene	50.0		"	50.0		99.9	86-126		3.54	30	
tert-Butyl alcohol (TBA)	61.2		"	50.0		122	70-130		13.4	30	
tert-Butylbenzene	52.8		"	50.0		106	80-127		2.07	30	
Tetrachloroethylene	56.7		"	50.0		113	80-129		1.80	30	
Toluene	52.2		"	50.0		104	85-121		2.88	30	
trans-1,2-Dichloroethylene	58.7		"	50.0		117	72-132		4.59	30	
trans-1,3-Dichloropropylene	54.4		"	50.0		109	78-132		0.960	30	
Trichloroethylene	53.2		"	50.0		106	84-123		0.377	30	
Trichlorofluoromethane	40.3		"	50.0		80.6	62-140		1.63	30	
Vinyl Chloride	33.6		"	50.0		67.1	52-130		4.73	30	
Surrogate: 1,2-Dichloroethane-d4	46.6		"	50.0		93.1	77-125				
Surrogate: Toluene-d8	47.2		"	50.0		94.3	85-120				
Surrogate: p-Bromofluorobenzene	53.8		"	50.0		108	76-130				

Batch BK71304 - EPA 5030B

Blank (BK71304-BLK1)

Prepared & Analyzed: 11/29/2017

1,1,1,2-Tetrachloroethane	ND	0.500	ug/L
1,1,1-Trichloroethane	ND	0.500	"
1,1,2,2-Tetrachloroethane	ND	0.500	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"
1,1,2-Trichloroethane	ND	0.500	"
1,1-Dichloroethane	ND	0.500	"
1,1-Dichloroethylene	ND	0.500	"
1,2,3-Trichlorobenzene	ND	0.500	"
1,2,3-Trichloropropane	ND	0.500	"
1,2,4-Trichlorobenzene	ND	0.500	"
1,2,4-Trimethylbenzene	ND	0.500	"
1,2-Dibromo-3-chloropropane	ND	0.500	"
1,2-Dibromoethane	ND	0.500	"
1,2-Dichlorobenzene	ND	0.500	"
1,2-Dichloroethane	ND	0.500	"
1,2-Dichloropropane	ND	0.500	"
1,3,5-Trimethylbenzene	ND	0.500	"
1,3-Dichlorobenzene	ND	0.500	"
1,3-Dichloropropane	ND	0.500	"
1,4-Dichlorobenzene	ND	0.500	"
1,4-Dioxane	ND	80.0	"
2-Butanone	ND	0.500	"
2-Hexanone	ND	0.500	"
4-Methyl-2-pentanone	ND	0.500	"
Acetone	ND	2.00	"
Acrolein	ND	0.500	"
Acrylonitrile	ND	0.500	"
Benzene	ND	0.500	"
Bromochloromethane	ND	0.500	"



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BK71304 - EPA 5030B

Blank (BK71304-BLK1)

Prepared & Analyzed: 11/29/2017

Bromodichloromethane	ND	0.500	ug/L								
Bromoform	ND	0.500	"								
Bromomethane	ND	0.500	"								
Carbon disulfide	ND	0.500	"								
Carbon tetrachloride	ND	0.500	"								
Chlorobenzene	ND	0.500	"								
Chloroethane	ND	0.500	"								
Chloroform	ND	0.500	"								
Chloromethane	ND	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
cis-1,3-Dichloropropylene	ND	0.500	"								
Cyclohexane	ND	0.500	"								
Dibromochloromethane	ND	0.500	"								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								
Hexachlorobutadiene	ND	0.500	"								
Isopropylbenzene	ND	0.500	"								
Methyl acetate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylcyclohexane	ND	0.500	"								
Methylene chloride	ND	2.00	"								
n-Butylbenzene	ND	0.500	"								
n-Propylbenzene	ND	0.500	"								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Diethylbenzene	ND	0.500	"								
p-Ethyltoluene	ND	0.500	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Butyl alcohol (TBA)	ND	1.00	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								
Surrogate: 1,2-Dichloroethane-d4	9.63		"	10.0		96.3	69-130				
Surrogate: Toluene-d8	10.2		"	10.0		102	81-117				
Surrogate: p-Bromofluorobenzene	11.5		"	10.0		115	79-122				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK71304 - EPA 5030B											
LCS (BK71304-BS1)						Prepared & Analyzed: 11/29/2017					
1,1,1,2-Tetrachloroethane	10.1		ug/L	10.0		101	82-126				
1,1,1-Trichloroethane	10.7		"	10.0		107	78-136				
1,1,2,2-Tetrachloroethane	10.2		"	10.0		102	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.9		"	10.0		109	54-165				
1,1,2-Trichloroethane	9.72		"	10.0		97.2	82-123				
1,1-Dichloroethane	10.9		"	10.0		109	82-129				
1,1-Dichloroethylene	11.2		"	10.0		112	68-138				
1,2,3-Trichlorobenzene	3.18		"	10.0		31.8	76-136	Low Bias			
1,2,3-Trichloropropane	10.1		"	10.0		101	77-128				
1,2,4-Trichlorobenzene	6.58		"	10.0		65.8	76-137	Low Bias			
1,2,4-Trimethylbenzene	11.2		"	10.0		112	82-132				
1,2-Dibromo-3-chloropropane	8.62		"	10.0		86.2	45-147				
1,2-Dibromoethane	9.45		"	10.0		94.5	83-124				
1,2-Dichlorobenzene	9.62		"	10.0		96.2	79-123				
1,2-Dichloroethane	10.7		"	10.0		107	73-132				
1,2-Dichloropropane	10.3		"	10.0		103	78-126				
1,3,5-Trimethylbenzene	11.1		"	10.0		111	80-131				
1,3-Dichlorobenzene	10.5		"	10.0		105	86-122				
1,3-Dichloropropane	9.84		"	10.0		98.4	81-125				
1,4-Dichlorobenzene	10.5		"	10.0		105	85-124				
1,4-Dioxane	114		"	200		56.9	10-349				
2-Butanone	10.4		"	10.0		104	49-152				
2-Hexanone	10.1		"	10.0		101	51-146				
4-Methyl-2-pentanone	10.4		"	10.0		104	57-145				
Acetone	9.91		"	10.0		99.1	14-150				
Acrolein	10.2		"	10.0		102	10-153				
Acrylonitrile	10.7		"	10.0		107	51-150				
Benzene	10.5		"	10.0		105	85-126				
Bromochloromethane	11.6		"	10.0		116	77-128				
Bromodichloromethane	10.1		"	10.0		101	79-128				
Bromoform	8.15		"	10.0		81.5	78-133				
Bromomethane	10.2		"	10.0		102	43-168				
Carbon disulfide	10.5		"	10.0		105	68-146				
Carbon tetrachloride	10.8		"	10.0		108	77-141				
Chlorobenzene	10.2		"	10.0		102	88-120				
Chloroethane	10.6		"	10.0		106	65-136				
Chloroform	10.2		"	10.0		102	82-128				
Chloromethane	12.2		"	10.0		122	43-155				
cis-1,2-Dichloroethylene	11.2		"	10.0		112	83-129				
cis-1,3-Dichloropropylene	10.0		"	10.0		100	80-131				
Cyclohexane	11.8		"	10.0		118	63-149				
Dibromochloromethane	9.30		"	10.0		93.0	80-130				
Dibromomethane	9.82		"	10.0		98.2	72-134				
Dichlorodifluoromethane	10.8		"	10.0		108	44-144				
Hexachlorobutadiene	9.22		"	10.0		92.2	67-146				
Isopropylbenzene	11.3		"	10.0		113	76-140				
Methyl acetate	11.2		"	10.0		112	51-139				
Methyl tert-butyl ether (MTBE)	9.55		"	10.0		95.5	76-135				
Methylcyclohexane	11.0		"	10.0		110	72-143				
Methylene chloride	11.4		"	10.0		114	55-137				
n-Butylbenzene	11.6		"	10.0		116	79-132				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BK71304 - EPA 5030B

LCS (BK71304-BS1)

Prepared & Analyzed: 11/29/2017

n-Propylbenzene	11.4		ug/L	10.0		114	78-133				
o-Xylene	10.6		"	10.0		106	78-130				
p- & m- Xylenes	22.1		"	20.0		110	77-133				
p-Diethylbenzene	11.2		"	10.0		112	84-134				
p-Ethyltoluene	11.1		"	10.0		111	88-129				
p-Isopropyltoluene	11.2		"	10.0		112	81-136				
sec-Butylbenzene	11.3		"	10.0		113	79-137				
Styrene	10.5		"	10.0		105	67-132				
tert-Butyl alcohol (TBA)	7.32		"	10.0		73.2	25-162				
tert-Butylbenzene	11.0		"	10.0		110	77-138				
Tetrachloroethylene	9.19		"	10.0		91.9	82-131				
Toluene	10.5		"	10.0		105	80-127				
trans-1,2-Dichloroethylene	11.0		"	10.0		110	80-132				
trans-1,3-Dichloropropylene	9.51		"	10.0		95.1	78-131				
Trichloroethylene	10.1		"	10.0		101	82-128				
Trichlorofluoromethane	10.8		"	10.0		108	67-139				
Vinyl Chloride	11.6		"	10.0		116	58-145				
Surrogate: 1,2-Dichloroethane-d4	10.3		"	10.0		103	69-130				
Surrogate: Toluene-d8	10.0		"	10.0		100	81-117				
Surrogate: p-Bromofluorobenzene	10.5		"	10.0		105	79-122				

LCS Dup (BK71304-BS1)

Prepared & Analyzed: 11/29/2017

1,1,1,2-Tetrachloroethane	10.3		ug/L	10.0		103	82-126		2.36	30	
1,1,1-Trichloroethane	10.8		"	10.0		108	78-136		1.12	30	
1,1,2,2-Tetrachloroethane	10.8		"	10.0		108	76-129		5.64	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.2		"	10.0		112	54-165		2.35	30	
1,1,2-Trichloroethane	9.93		"	10.0		99.3	82-123		2.14	30	
1,1-Dichloroethane	11.1		"	10.0		111	82-129		2.19	30	
1,1-Dichloroethylene	11.4		"	10.0		114	68-138		1.77	30	
1,2,3-Trichlorobenzene	6.63		"	10.0		66.3	76-136	Low Bias	70.3	30	Non-dir.
1,2,3-Trichloropropane	10.8		"	10.0		108	77-128		6.59	30	
1,2,4-Trichlorobenzene	7.24		"	10.0		72.4	76-137	Low Bias	9.55	30	
1,2,4-Trimethylbenzene	11.5		"	10.0		115	82-132		3.18	30	
1,2-Dibromo-3-chloropropane	9.05		"	10.0		90.5	45-147		4.87	30	
1,2-Dibromoethane	9.78		"	10.0		97.8	83-124		3.43	30	
1,2-Dichlorobenzene	10.0		"	10.0		100	79-123		3.97	30	
1,2-Dichloroethane	10.6		"	10.0		106	73-132		0.842	30	
1,2-Dichloropropane	10.8		"	10.0		108	78-126		4.46	30	
1,3,5-Trimethylbenzene	11.4		"	10.0		114	80-131		3.11	30	
1,3-Dichlorobenzene	10.8		"	10.0		108	86-122		3.38	30	
1,3-Dichloropropane	10.2		"	10.0		102	81-125		3.40	30	
1,4-Dichlorobenzene	10.5		"	10.0		105	85-124		0.190	30	
1,4-Dioxane	216		"	200		108	10-349		62.0	30	Non-dir.
2-Butanone	7.06		"	10.0		70.6	49-152		38.4	30	Non-dir.
2-Hexanone	10.7		"	10.0		107	51-146		6.44	30	
4-Methyl-2-pentanone	11.3		"	10.0		113	57-145		7.82	30	
Acetone	9.78		"	10.0		97.8	14-150		1.32	30	
Acrolein	9.93		"	10.0		99.3	10-153		2.39	30	
Acrylonitrile	10.6		"	10.0		106	51-150		0.281	30	
Benzene	10.7		"	10.0		107	85-126		2.17	30	
Bromochloromethane	11.8		"	10.0		118	77-128		1.11	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK71304 - EPA 5030B											
LCS Dup (BK71304-BSD1)						Prepared & Analyzed: 11/29/2017					
Bromodichloromethane	10.4		ug/L	10.0		104	79-128		3.61	30	
Bromoform	8.50		"	10.0		85.0	78-133		4.20	30	
Bromomethane	10.1		"	10.0		101	43-168		0.394	30	
Carbon disulfide	10.6		"	10.0		106	68-146		1.32	30	
Carbon tetrachloride	10.8		"	10.0		108	77-141		0.371	30	
Chlorobenzene	10.6		"	10.0		106	88-120		3.18	30	
Chloroethane	10.6		"	10.0		106	65-136		0.376	30	
Chloroform	10.4		"	10.0		104	82-128		2.24	30	
Chloromethane	12.4		"	10.0		124	43-155		1.79	30	
cis-1,2-Dichloroethylene	11.4		"	10.0		114	83-129		1.69	30	
cis-1,3-Dichloropropylene	10.6		"	10.0		106	80-131		5.44	30	
Cyclohexane	12.2		"	10.0		122	63-149		3.42	30	
Dibromochloromethane	9.57		"	10.0		95.7	80-130		2.86	30	
Dibromomethane	10.1		"	10.0		101	72-134		2.81	30	
Dichlorodifluoromethane	10.8		"	10.0		108	44-144		0.277	30	
Hexachlorobutadiene	10.4		"	10.0		104	67-146		12.0	30	
Isopropylbenzene	11.7		"	10.0		117	76-140		3.13	30	
Methyl acetate	11.4		"	10.0		114	51-139		1.86	30	
Methyl tert-butyl ether (MTBE)	10.0		"	10.0		100	76-135		4.60	30	
Methylcyclohexane	11.5		"	10.0		115	72-143		4.36	30	
Methylene chloride	11.6		"	10.0		116	55-137		1.82	30	
n-Butylbenzene	12.1		"	10.0		121	79-132		4.04	30	
n-Propylbenzene	11.8		"	10.0		118	78-133		3.70	30	
o-Xylene	10.9		"	10.0		109	78-130		2.23	30	
p- & m- Xylenes	22.7		"	20.0		113	77-133		2.50	30	
p-Diethylbenzene	11.7		"	10.0		117	84-134		4.10	30	
p-Ethyltoluene	11.4		"	10.0		114	88-129		3.11	30	
p-Isopropyltoluene	11.6		"	10.0		116	81-136		3.41	30	
sec-Butylbenzene	11.7		"	10.0		117	79-137		3.22	30	
Styrene	10.8		"	10.0		108	67-132		2.72	30	
tert-Butyl alcohol (TBA)	7.32		"	10.0		73.2	25-162		0.00	30	
tert-Butylbenzene	11.4		"	10.0		114	77-138		3.40	30	
Tetrachloroethylene	9.44		"	10.0		94.4	82-131		2.68	30	
Toluene	10.9		"	10.0		109	80-127		3.18	30	
trans-1,2-Dichloroethylene	11.1		"	10.0		111	80-132		1.09	30	
trans-1,3-Dichloropropylene	10.0		"	10.0		100	78-131		5.02	30	
Trichloroethylene	10.5		"	10.0		105	82-128		3.88	30	
Trichlorofluoromethane	10.7		"	10.0		107	67-139		0.744	30	
Vinyl Chloride	11.4		"	10.0		114	58-145		0.870	30	
Surrogate: 1,2-Dichloroethane-d4	9.89		"	10.0		98.9	69-130				
Surrogate: Toluene-d8	10.1		"	10.0		101	81-117				
Surrogate: p-Bromofluorobenzene	10.7		"	10.0		107	79-122				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BK71149 - EPA 3550C

Blank (BK71149-BLK1)

Prepared & Analyzed: 11/27/2017

1,1-Biphenyl	ND	0.0417	mg/kg wet
1,2,4,5-Tetrachlorobenzene	ND	0.0833	"
1,2,4-Trichlorobenzene	ND	0.0417	"
1,2-Dichlorobenzene	ND	0.0417	"
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.0417	"
1,3-Dichlorobenzene	ND	0.0417	"
1,4-Dichlorobenzene	ND	0.0417	"
2,3,4,6-Tetrachlorophenol	ND	0.0833	"
2,4,5-Trichlorophenol	ND	0.0417	"
2,4,6-Trichlorophenol	ND	0.0417	"
2,4-Dichlorophenol	ND	0.0417	"
2,4-Dimethylphenol	ND	0.0417	"
2,4-Dinitrophenol	ND	0.0833	"
2,4-Dinitrotoluene	ND	0.0417	"
2,6-Dinitrotoluene	ND	0.0417	"
2-Chloronaphthalene	ND	0.0417	"
2-Chlorophenol	ND	0.0417	"
2-Methylnaphthalene	ND	0.0417	"
2-Methylphenol	ND	0.0417	"
2-Nitroaniline	ND	0.0833	"
2-Nitrophenol	ND	0.0417	"
3- & 4-Methylphenols	ND	0.0417	"
3,3-Dichlorobenzidine	ND	0.0417	"
3-Nitroaniline	ND	0.0833	"
4,6-Dinitro-2-methylphenol	ND	0.0833	"
4-Bromophenyl phenyl ether	ND	0.0417	"
4-Chloro-3-methylphenol	ND	0.0417	"
4-Chloroaniline	ND	0.0417	"
4-Chlorophenyl phenyl ether	ND	0.0417	"
4-Nitroaniline	ND	0.0833	"
4-Nitrophenol	ND	0.0833	"
Acenaphthene	ND	0.0417	"
Acenaphthylene	ND	0.0417	"
Acetophenone	ND	0.0417	"
Aniline	ND	0.167	"
Anthracene	ND	0.0417	"
Atrazine	ND	0.0417	"
Benzaldehyde	ND	0.0417	"
Benzidine	ND	0.167	"
Benzo(a)anthracene	ND	0.0417	"
Benzo(a)pyrene	ND	0.0417	"
Benzo(b)fluoranthene	ND	0.0417	"
Benzo(g,h,i)perylene	ND	0.0417	"
Benzo(k)fluoranthene	ND	0.0417	"
Benzoic acid	ND	0.0417	"
Benzyl alcohol	ND	0.0417	"
Benzyl butyl phthalate	ND	0.0417	"
Bis(2-chloroethoxy)methane	ND	0.0417	"
Bis(2-chloroethyl)ether	ND	0.0417	"
Bis(2-chloroisopropyl)ether	ND	0.0417	"
Bis(2-ethylhexyl)phthalate	ND	0.0417	"



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BK71149 - EPA 3550C

Blank (BK71149-BLK1)

Prepared & Analyzed: 11/27/2017

Caprolactam	ND	0.0833	mg/kg wet
Carbazole	ND	0.0417	"
Chrysene	ND	0.0417	"
Dibenzo(a,h)anthracene	ND	0.0417	"
Dibenzofuran	ND	0.0417	"
Diethyl phthalate	ND	0.0417	"
Dimethyl phthalate	ND	0.0417	"
Di-n-butyl phthalate	ND	0.0417	"
Di-n-octyl phthalate	ND	0.0417	"
Fluoranthene	ND	0.0417	"
Fluorene	ND	0.0417	"
Hexachlorobenzene	ND	0.0417	"
Hexachlorobutadiene	ND	0.0417	"
Hexachlorocyclopentadiene	ND	0.0417	"
Hexachloroethane	ND	0.0417	"
Indeno(1,2,3-cd)pyrene	ND	0.0417	"
Isophorone	ND	0.0417	"
Naphthalene	ND	0.0417	"
Nitrobenzene	ND	0.0417	"
N-Nitrosodimethylamine	ND	0.0417	"
N-nitroso-di-n-propylamine	ND	0.0417	"
N-Nitrosodiphenylamine	ND	0.0417	"
Pentachlorophenol	ND	0.0417	"
Phenanthrene	ND	0.0417	"
Phenol	ND	0.0417	"
Pyrene	ND	0.0417	"

Surrogate: 2-Fluorophenol	1.73	"	2.52	68.9	20-108
Surrogate: Phenol-d5	1.85	"	2.55	72.4	23-114
Surrogate: Nitrobenzene-d5	1.37	"	1.69	81.4	22-108
Surrogate: 2-Fluorobiphenyl	1.36	"	1.83	74.6	21-113
Surrogate: 2,4,6-Tribromophenol	2.61	"	2.53	103	19-110
Surrogate: Terphenyl-d14	1.09	"	1.77	61.7	24-116



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK71149 - EPA 3550C											
LCS (BK71149-BS1)						Prepared & Analyzed: 11/27/2017					
1,1-Biphenyl	0.645	0.0417	mg/kg wet	0.833		77.4	18-111				
1,2,4,5-Tetrachlorobenzene	0.763	0.0833	"	0.833		91.6	21-131				
1,2,4-Trichlorobenzene	0.638	0.0417	"	0.833		76.6	10-140				
1,2-Dichlorobenzene	0.586	0.0417	"	0.833		70.3	34-108				
1,2-Diphenylhydrazine (as Azobenzene)	0.519	0.0417	"	0.833		62.3	17-137				
1,3-Dichlorobenzene	0.568	0.0417	"	0.833		68.2	33-110				
1,4-Dichlorobenzene	0.572	0.0417	"	0.833		68.6	32-104				
2,3,4,6-Tetrachlorophenol	1.42	0.0833	"	0.833		170	30-130	High Bias			
2,4,5-Trichlorophenol	0.726	0.0417	"	0.833		87.1	27-118				
2,4,6-Trichlorophenol	0.725	0.0417	"	0.833		87.0	31-120				
2,4-Dichlorophenol	0.735	0.0417	"	0.833		88.2	20-127				
2,4-Dimethylphenol	0.744	0.0417	"	0.833		89.2	14-132				
2,4-Dinitrophenol	0.955	0.0833	"	0.833		115	10-171				
2,4-Dinitrotoluene	0.972	0.0417	"	0.833		117	34-131				
2,6-Dinitrotoluene	0.985	0.0417	"	0.833		118	31-128				
2-Chloronaphthalene	0.623	0.0417	"	0.833		74.7	31-117				
2-Chlorophenol	0.639	0.0417	"	0.833		76.7	33-113				
2-Methylnaphthalene	0.695	0.0417	"	0.833		83.4	12-138				
2-Methylphenol	0.628	0.0417	"	0.833		75.4	10-136				
2-Nitroaniline	0.795	0.0833	"	0.833		95.4	27-132				
2-Nitrophenol	0.958	0.0417	"	0.833		115	17-129				
3- & 4-Methylphenols	0.584	0.0417	"	0.833		70.0	29-103				
3,3-Dichlorobenzidine	0.667	0.0417	"	0.833		80.0	22-149				
3-Nitroaniline	0.706	0.0833	"	0.833		84.8	20-133				
4,6-Dinitro-2-methylphenol	1.07	0.0833	"	0.833		128	10-143				
4-Bromophenyl phenyl ether	0.783	0.0417	"	0.833		93.9	29-120				
4-Chloro-3-methylphenol	0.677	0.0417	"	0.833		81.2	24-129				
4-Chloroaniline	0.419	0.0417	"	0.833		50.3	10-132				
4-Chlorophenyl phenyl ether	0.710	0.0417	"	0.833		85.2	27-124				
4-Nitroaniline	0.748	0.0833	"	0.833		89.7	16-128				
4-Nitrophenol	0.647	0.0833	"	0.833		77.7	10-141				
Acenaphthene	0.671	0.0417	"	0.833		80.5	30-121				
Acenaphthylene	0.629	0.0417	"	0.833		75.4	30-115				
Acetophenone	0.583	0.0417	"	0.833		70.0	20-112				
Aniline	0.318	0.167	"	0.833		38.1	10-119				
Anthracene	0.744	0.0417	"	0.833		89.3	34-118				
Atrazine	0.765	0.0417	"	0.833		91.8	26-112				
Benzaldehyde	0.652	0.0417	"	0.833		78.2	21-100				
Benzo(a)anthracene	0.744	0.0417	"	0.833		89.2	32-122				
Benzo(a)pyrene	0.746	0.0417	"	0.833		89.5	29-133				
Benzo(b)fluoranthene	0.765	0.0417	"	0.833		91.8	25-133				
Benzo(g,h,i)perylene	0.757	0.0417	"	0.833		90.9	10-143				
Benzo(k)fluoranthene	0.699	0.0417	"	0.833		83.9	25-128				
Benzoic acid	0.717	0.0417	"	0.833		86.0	10-140				
Benzyl alcohol	0.582	0.0417	"	0.833		69.9	30-115				
Benzyl butyl phthalate	0.720	0.0417	"	0.833		86.4	26-126				
Bis(2-chloroethoxy)methane	0.688	0.0417	"	0.833		82.6	19-132				
Bis(2-chloroethyl)ether	0.784	0.0417	"	0.833		94.1	19-125				
Bis(2-chloroisopropyl)ether	0.498	0.0417	"	0.833		59.8	20-135				
Bis(2-ethylhexyl)phthalate	0.683	0.0417	"	0.833		81.9	10-155				
Caprolactam	0.664	0.0833	"	0.833		79.7	10-127				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BK71149 - EPA 3550C

LCS (BK71149-BS1)

Prepared & Analyzed: 11/27/2017

Carbazole	0.714	0.0417	mg/kg wet	0.833		85.6	35-123				
Chrysene	0.703	0.0417	"	0.833		84.3	32-123				
Dibenzo(a,h)anthracene	0.794	0.0417	"	0.833		95.3	10-136				
Dibenzofuran	0.634	0.0417	"	0.833		76.1	29-121				
Diethyl phthalate	0.649	0.0417	"	0.833		77.8	34-116				
Dimethyl phthalate	0.657	0.0417	"	0.833		78.9	35-124				
Di-n-butyl phthalate	0.716	0.0417	"	0.833		86.0	31-116				
Di-n-octyl phthalate	0.814	0.0417	"	0.833		97.7	26-136				
Fluoranthene	0.776	0.0417	"	0.833		93.1	33-122				
Fluorene	0.695	0.0417	"	0.833		83.4	29-123				
Hexachlorobenzene	0.516	0.0417	"	0.833		61.9	21-124				
Hexachlorobutadiene	0.667	0.0417	"	0.833		80.0	10-149				
Hexachlorocyclopentadiene	0.255	0.0417	"	0.833		30.6	10-129				
Hexachloroethane	0.538	0.0417	"	0.833		64.6	28-108				
Indeno(1,2,3-cd)pyrene	0.792	0.0417	"	0.833		95.1	10-135				
Isophorone	0.590	0.0417	"	0.833		70.8	20-132				
Naphthalene	0.644	0.0417	"	0.833		77.2	23-124				
Nitrobenzene	0.622	0.0417	"	0.833		74.6	13-132				
N-Nitrosodimethylamine	0.495	0.0417	"	0.833		59.4	11-129				
N-nitroso-di-n-propylamine	0.527	0.0417	"	0.833		63.2	24-119				
N-Nitrosodiphenylamine	0.775	0.0417	"	0.833		93.0	22-152				
Pentachlorophenol	0.821	0.0417	"	0.833		98.5	10-139				
Phenanthrene	0.725	0.0417	"	0.833		87.0	33-123				
Phenol	0.654	0.0417	"	0.833		78.5	23-115				
Pyrene	0.728	0.0417	"	0.833		87.4	32-130				
Surrogate: 2-Fluorophenol	1.81		"	2.52		71.9	20-108				
Surrogate: Phenol-d5	1.91		"	2.55		74.8	23-114				
Surrogate: Nitrobenzene-d5	1.41		"	1.69		83.4	22-108				
Surrogate: 2-Fluorobiphenyl	1.33		"	1.83		73.0	21-113				
Surrogate: 2,4,6-Tribromophenol	2.98		"	2.53		118	19-110				
Surrogate: Terphenyl-d14	1.19		"	1.77		67.4	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK71149 - EPA 3550C											
Matrix Spike (BK71149-MS1)	*Source sample: 17K0876-12 (LSB-10 (1-3))						Prepared & Analyzed: 11/27/2017				
1,1-Biphenyl	0.715	0.0842	mg/kg dry	0.842	ND	85.0	10-130				
1,2,4,5-Tetrachlorobenzene	0.862	0.168	"	0.842	ND	102	10-133				
1,2,4-Trichlorobenzene	0.695	0.0842	"	0.842	ND	82.6	10-127				
1,2-Dichlorobenzene	0.614	0.0842	"	0.842	ND	72.9	14-111				
1,2-Diphenylhydrazine (as Azobenzene)	0.579	0.0842	"	0.842	ND	68.8	10-144				
1,3-Dichlorobenzene	0.599	0.0842	"	0.842	ND	71.2	11-111				
1,4-Dichlorobenzene	0.583	0.0842	"	0.842	ND	69.2	10-106				
2,3,4,6-Tetrachlorophenol	1.13	0.168	"	0.842	ND	134	30-130	High Bias			
2,4,5-Trichlorophenol	0.895	0.0842	"	0.842	ND	106	10-127				
2,4,6-Trichlorophenol	0.722	0.0842	"	0.842	ND	85.8	10-132				
2,4-Dichlorophenol	0.760	0.0842	"	0.842	ND	90.2	10-128				
2,4-Dimethylphenol	0.779	0.0842	"	0.842	ND	92.6	10-137				
2,4-Dinitrophenol	0.455	0.168	"	0.842	ND	54.0	10-171				
2,4-Dinitrotoluene	1.01	0.0842	"	0.842	ND	120	16-135				
2,6-Dinitrotoluene	1.06	0.0842	"	0.842	ND	125	18-131				
2-Chloronaphthalene	0.709	0.0842	"	0.842	ND	84.2	10-129				
2-Chlorophenol	0.638	0.0842	"	0.842	ND	75.8	15-116				
2-Methylnaphthalene	0.787	0.0842	"	0.842	ND	93.5	10-147				
2-Methylphenol	0.710	0.0842	"	0.842	ND	84.3	10-136				
2-Nitroaniline	0.881	0.168	"	0.842	ND	105	10-137				
2-Nitrophenol	0.937	0.0842	"	0.842	ND	111	10-129				
3- & 4-Methylphenols	0.641	0.0842	"	0.842	ND	76.2	10-123				
3,3-Dichlorobenzidine	0.686	0.0842	"	0.842	ND	81.4	10-155				
3-Nitroaniline	0.878	0.168	"	0.842	ND	104	12-133				
4,6-Dinitro-2-methylphenol	0.808	0.168	"	0.842	ND	96.0	10-155				
4-Bromophenyl phenyl ether	0.857	0.0842	"	0.842	ND	102	14-128				
4-Chloro-3-methylphenol	0.772	0.0842	"	0.842	ND	91.8	10-134				
4-Chloroaniline	0.413	0.0842	"	0.842	ND	49.0	10-145				
4-Chlorophenyl phenyl ether	0.804	0.0842	"	0.842	ND	95.5	14-130				
4-Nitroaniline	0.903	0.168	"	0.842	ND	107	10-147				
4-Nitrophenol	0.628	0.168	"	0.842	ND	74.6	10-137				
Acenaphthene	0.789	0.0842	"	0.842	ND	93.7	10-146				
Acenaphthylene	0.723	0.0842	"	0.842	ND	85.9	10-134				
Acetophenone	0.613	0.0842	"	0.842	ND	72.8	10-116				
Aniline	0.335	0.337	"	0.842	ND	39.8	10-123				
Anthracene	0.840	0.0842	"	0.842	ND	99.8	10-142				
Atrazine	0.824	0.0842	"	0.842	ND	97.8	19-115				
Benzaldehyde	0.690	0.0842	"	0.842	ND	82.0	10-125				
Benzo(a)anthracene	0.828	0.0842	"	0.842	ND	98.3	10-158				
Benzo(a)pyrene	0.813	0.0842	"	0.842	ND	96.6	10-180				
Benzo(b)fluoranthene	0.803	0.0842	"	0.842	ND	95.4	10-200				
Benzo(g,h,i)perylene	0.881	0.0842	"	0.842	ND	105	10-138				
Benzo(k)fluoranthene	0.741	0.0842	"	0.842	ND	88.1	10-197				
Benzoic acid	0.0875	0.0842	"	0.842	ND	10.4	10-166				
Benzyl alcohol	0.650	0.0842	"	0.842	ND	77.2	12-124				
Benzyl butyl phthalate	0.788	0.0842	"	0.842	ND	93.6	10-154				
Bis(2-chloroethoxy)methane	0.739	0.0842	"	0.842	ND	87.8	10-132				
Bis(2-chloroethyl)ether	0.656	0.0842	"	0.842	ND	77.9	10-119				
Bis(2-chloroisopropyl)ether	0.518	0.0842	"	0.842	ND	61.5	10-139				
Bis(2-ethylhexyl)phthalate	0.755	0.0842	"	0.842	ND	89.7	10-167				
Caprolactam	0.651	0.168	"	0.842	ND	77.4	10-132				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BK71149 - EPA 3550C

Matrix Spike (BK71149-MS1)		*Source sample: 17K0876-12 (LSB-10 (1-3))					Prepared & Analyzed: 11/27/2017				
Carbazole	0.802	0.0842	mg/kg dry	0.842	ND	95.3	10-167				
Chrysene	0.758	0.0842	"	0.842	ND	90.0	10-156				
Dibenzo(a,h)anthracene	0.892	0.0842	"	0.842	ND	106	10-137				
Dibenzofuran	0.752	0.0842	"	0.842	ND	89.4	10-147				
Diethyl phthalate	0.743	0.0842	"	0.842	ND	88.3	20-120				
Dimethyl phthalate	0.756	0.0842	"	0.842	ND	89.8	18-131				
Di-n-butyl phthalate	0.787	0.0842	"	0.842	ND	93.4	10-137				
Di-n-octyl phthalate	0.905	0.0842	"	0.842	ND	108	10-180				
Fluoranthene	0.856	0.0842	"	0.842	ND	102	10-160				
Fluorene	0.840	0.0842	"	0.842	ND	99.8	10-157				
Hexachlorobenzene	0.562	0.0842	"	0.842	ND	66.7	10-137				
Hexachlorobutadiene	0.694	0.0842	"	0.842	ND	82.4	10-132				
Hexachlorocyclopentadiene	0.165	0.0842	"	0.842	ND	19.6	10-106				
Hexachloroethane	0.543	0.0842	"	0.842	ND	64.5	10-110				
Indeno(1,2,3-cd)pyrene	0.903	0.0842	"	0.842	ND	107	10-144				
Isophorone	0.653	0.0842	"	0.842	ND	77.5	10-132				
Naphthalene	0.717	0.0842	"	0.842	ND	85.2	10-141				
Nitrobenzene	0.699	0.0842	"	0.842	ND	83.0	10-131				
N-Nitrosodimethylamine	0.515	0.0842	"	0.842	ND	61.2	10-126				
N-nitroso-di-n-propylamine	0.554	0.0842	"	0.842	ND	65.8	10-125				
N-Nitrosodiphenylamine	0.851	0.0842	"	0.842	ND	101	10-177				
Pentachlorophenol	0.517	0.0842	"	0.842	ND	61.4	10-153				
Phenanthrene	0.798	0.0842	"	0.842	ND	94.8	10-148				
Phenol	0.704	0.0842	"	0.842	ND	83.7	10-126				
Pyrene	0.804	0.0842	"	0.842	ND	95.5	10-165				
Surrogate: 2-Fluorophenol	1.83		"	2.54		71.8	20-108				
Surrogate: Phenol-d5	2.03		"	2.58		78.7	23-114				
Surrogate: Nitrobenzene-d5	1.51		"	1.70		88.4	22-108				
Surrogate: 2-Fluorobiphenyl	1.54		"	1.85		83.7	21-113				
Surrogate: 2,4,6-Tribromophenol	2.63		"	2.56		103	19-110				
Surrogate: Terphenyl-d14	1.27		"	1.78		71.3	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK71149 - EPA 3550C											
Matrix Spike Dup (BK71149-MSD1)		*Source sample: 17K0876-12 (LSB-10 (1-3))					Prepared & Analyzed: 11/27/2017				
1,1-Biphenyl	0.676	0.0842	mg/kg dry	0.842	ND	80.3	10-130		5.61	30	
1,2,4,5-Tetrachlorobenzene	0.774	0.168	"	0.842	ND	91.9	10-133		10.8	30	
1,2,4-Trichlorobenzene	0.629	0.0842	"	0.842	ND	74.7	10-127		9.97	30	
1,2-Dichlorobenzene	0.583	0.0842	"	0.842	ND	69.2	14-111		5.18	30	
1,2-Diphenylhydrazine (as Azobenzene)	0.542	0.0842	"	0.842	ND	64.4	10-144		6.61	30	
1,3-Dichlorobenzene	0.546	0.0842	"	0.842	ND	64.9	11-111		9.29	30	
1,4-Dichlorobenzene	0.572	0.0842	"	0.842	ND	67.9	10-106		1.87	30	
2,3,4,6-Tetrachlorophenol	0.999	0.168	"	0.842	ND	119	30-130		12.4	30	
2,4,5-Trichlorophenol	0.772	0.0842	"	0.842	ND	91.7	10-127		14.8	30	
2,4,6-Trichlorophenol	0.708	0.0842	"	0.842	ND	84.1	10-132		1.98	30	
2,4-Dichlorophenol	0.719	0.0842	"	0.842	ND	85.4	10-128		5.46	30	
2,4-Dimethylphenol	0.705	0.0842	"	0.842	ND	83.8	10-137		9.98	30	
2,4-Dinitrophenol	0.339	0.168	"	0.842	ND	40.2	10-171		29.2	30	
2,4-Dinitrotoluene	0.986	0.0842	"	0.842	ND	117	16-135		2.63	30	
2,6-Dinitrotoluene	0.950	0.0842	"	0.842	ND	113	18-131		10.5	30	
2-Chloronaphthalene	0.659	0.0842	"	0.842	ND	78.2	10-129		7.39	30	
2-Chlorophenol	0.640	0.0842	"	0.842	ND	76.0	15-116		0.316	30	
2-Methylnaphthalene	0.706	0.0842	"	0.842	ND	83.9	10-147		10.8	30	
2-Methylphenol	0.657	0.0842	"	0.842	ND	78.1	10-136		7.68	30	
2-Nitroaniline	0.805	0.168	"	0.842	ND	95.6	10-137		9.03	30	
2-Nitrophenol	0.915	0.0842	"	0.842	ND	109	10-129		2.47	30	
3- & 4-Methylphenols	0.597	0.0842	"	0.842	ND	71.0	10-123		7.07	30	
3,3-Dichlorobenzidine	0.651	0.0842	"	0.842	ND	77.4	10-155		5.14	30	
3-Nitroaniline	0.783	0.168	"	0.842	ND	93.0	12-133		11.4	30	
4,6-Dinitro-2-methylphenol	0.741	0.168	"	0.842	ND	88.1	10-155		8.60	30	
4-Bromophenyl phenyl ether	0.799	0.0842	"	0.842	ND	95.0	14-128		6.99	30	
4-Chloro-3-methylphenol	0.685	0.0842	"	0.842	ND	81.4	10-134		12.0	30	
4-Chloroaniline	0.406	0.0842	"	0.842	ND	48.2	10-145		1.64	30	
4-Chlorophenyl phenyl ether	0.743	0.0842	"	0.842	ND	88.3	14-130		7.83	30	
4-Nitroaniline	0.764	0.168	"	0.842	ND	90.7	10-147		16.7	30	
4-Nitrophenol	0.737	0.168	"	0.842	ND	87.6	10-137		16.1	30	
Acenaphthene	0.690	0.0842	"	0.842	ND	82.0	10-146		13.3	30	
Acenaphthylene	0.663	0.0842	"	0.842	ND	78.7	10-134		8.75	30	
Acetophenone	0.574	0.0842	"	0.842	ND	68.2	10-116		6.58	30	
Aniline	0.339	0.337	"	0.842	ND	40.2	10-123		1.20	30	
Anthracene	0.764	0.0842	"	0.842	ND	90.7	10-142		9.49	30	
Atrazine	0.736	0.0842	"	0.842	ND	87.4	19-115		11.2	30	
Benzaldehyde	0.627	0.0842	"	0.842	ND	74.5	10-125		9.61	30	
Benzo(a)anthracene	0.770	0.0842	"	0.842	ND	91.4	10-158		7.25	30	
Benzo(a)pyrene	0.781	0.0842	"	0.842	ND	92.8	10-180		3.97	30	
Benzo(b)fluoranthene	0.780	0.0842	"	0.842	ND	92.6	10-200		2.89	30	
Benzo(g,h,i)perylene	0.834	0.0842	"	0.842	ND	99.0	10-138		5.50	30	
Benzo(k)fluoranthene	0.735	0.0842	"	0.842	ND	87.3	10-197		0.912	30	
Benzoic acid	0.0869	0.0842	"	0.842	ND	10.3	10-166		0.772	30	
Benzyl alcohol	0.611	0.0842	"	0.842	ND	72.6	12-124		6.09	30	
Benzyl butyl phthalate	0.727	0.0842	"	0.842	ND	86.3	10-154		8.09	30	
Bis(2-chloroethoxy)methane	0.665	0.0842	"	0.842	ND	79.0	10-132		10.5	30	
Bis(2-chloroethyl)ether	0.599	0.0842	"	0.842	ND	71.2	10-119		9.01	30	
Bis(2-chloroisopropyl)ether	0.478	0.0842	"	0.842	ND	56.8	10-139		7.98	30	
Bis(2-ethylhexyl)phthalate	0.695	0.0842	"	0.842	ND	82.6	10-167		8.27	30	
Caprolactam	0.616	0.168	"	0.842	ND	73.1	10-132		5.64	30	



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BK71149 - EPA 3550C

Matrix Spike Dup (BK71149-MSD1)	*Source sample: 17K0876-12 (LSB-10 (1-3))						Prepared & Analyzed: 11/27/2017				
Carbazole	0.710	0.0842	mg/kg dry	0.842	ND	84.3	10-167		12.2	30	
Chrysene	0.706	0.0842	"	0.842	ND	83.9	10-156		6.99	30	
Dibenzo(a,h)anthracene	0.829	0.0842	"	0.842	ND	98.5	10-137		7.36	30	
Dibenzofuran	0.688	0.0842	"	0.842	ND	81.7	10-147		8.98	30	
Diethyl phthalate	0.676	0.0842	"	0.842	ND	80.3	20-120		9.49	30	
Dimethyl phthalate	0.680	0.0842	"	0.842	ND	80.8	18-131		10.5	30	
Di-n-butyl phthalate	0.696	0.0842	"	0.842	ND	82.7	10-137		12.2	30	
Di-n-octyl phthalate	0.834	0.0842	"	0.842	ND	99.1	10-180		8.13	30	
Fluoranthene	0.783	0.0842	"	0.842	ND	93.0	10-160		8.96	30	
Fluorene	0.737	0.0842	"	0.842	ND	87.6	10-157		13.1	30	
Hexachlorobenzene	0.558	0.0842	"	0.842	ND	66.2	10-137		0.722	30	
Hexachlorobutadiene	0.612	0.0842	"	0.842	ND	72.7	10-132		12.5	30	
Hexachlorocyclopentadiene	0.138	0.0842	"	0.842	ND	16.4	10-106		17.8	30	
Hexachloroethane	0.506	0.0842	"	0.842	ND	60.1	10-110		7.06	30	
Indeno(1,2,3-cd)pyrene	0.829	0.0842	"	0.842	ND	98.5	10-144		8.55	30	
Isophorone	0.607	0.0842	"	0.842	ND	72.2	10-132		7.16	30	
Naphthalene	0.667	0.0842	"	0.842	ND	79.2	10-141		7.30	30	
Nitrobenzene	0.664	0.0842	"	0.842	ND	78.9	10-131		5.14	30	
N-Nitrosodimethylamine	0.489	0.0842	"	0.842	ND	58.1	10-126		5.23	30	
N-nitroso-di-n-propylamine	0.523	0.0842	"	0.842	ND	62.1	10-125		5.76	30	
N-Nitrosodiphenylamine	0.787	0.0842	"	0.842	ND	93.5	10-177		7.81	30	
Pentachlorophenol	0.468	0.0842	"	0.842	ND	55.6	10-153		9.98	30	
Phenanthrene	0.741	0.0842	"	0.842	ND	88.1	10-148		7.35	30	
Phenol	0.615	0.0842	"	0.842	ND	73.0	10-126		13.6	30	
Pyrene	0.746	0.0842	"	0.842	ND	88.6	10-165		7.56	30	
<i>Surrogate: 2-Fluorophenol</i>	<i>1.73</i>		<i>"</i>	<i>2.54</i>		<i>68.0</i>	<i>20-108</i>				
<i>Surrogate: Phenol-d5</i>	<i>1.96</i>		<i>"</i>	<i>2.58</i>		<i>76.1</i>	<i>23-114</i>				
<i>Surrogate: Nitrobenzene-d5</i>	<i>1.40</i>		<i>"</i>	<i>1.70</i>		<i>82.2</i>	<i>22-108</i>				
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>1.46</i>		<i>"</i>	<i>1.85</i>		<i>79.1</i>	<i>21-113</i>				
<i>Surrogate: 2,4,6-Tribromophenol</i>	<i>2.62</i>		<i>"</i>	<i>2.56</i>		<i>102</i>	<i>19-110</i>				
<i>Surrogate: Terphenyl-d14</i>	<i>1.15</i>		<i>"</i>	<i>1.78</i>		<i>64.5</i>	<i>24-116</i>				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BK71216 - EPA 3550C

Blank (BK71216-BLK1)

Prepared & Analyzed: 11/28/2017

1,1-Biphenyl	ND	0.0417	mg/kg wet
1,2,4,5-Tetrachlorobenzene	ND	0.0833	"
1,2,4-Trichlorobenzene	ND	0.0417	"
1,2-Dichlorobenzene	ND	0.0417	"
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.0417	"
1,3-Dichlorobenzene	ND	0.0417	"
1,4-Dichlorobenzene	ND	0.0417	"
2,3,4,6-Tetrachlorophenol	ND	0.0833	"
2,4,5-Trichlorophenol	ND	0.0417	"
2,4,6-Trichlorophenol	ND	0.0417	"
2,4-Dichlorophenol	ND	0.0417	"
2,4-Dimethylphenol	ND	0.0417	"
2,4-Dinitrophenol	ND	0.0833	"
2,4-Dinitrotoluene	ND	0.0417	"
2,6-Dinitrotoluene	ND	0.0417	"
2-Chloronaphthalene	ND	0.0417	"
2-Chlorophenol	ND	0.0417	"
2-Methylnaphthalene	ND	0.0417	"
2-Methylphenol	ND	0.0417	"
2-Nitroaniline	ND	0.0833	"
2-Nitrophenol	ND	0.0417	"
3- & 4-Methylphenols	ND	0.0417	"
3,3-Dichlorobenzidine	ND	0.0417	"
3-Nitroaniline	ND	0.0833	"
4,6-Dinitro-2-methylphenol	ND	0.0833	"
4-Bromophenyl phenyl ether	ND	0.0417	"
4-Chloro-3-methylphenol	ND	0.0417	"
4-Chloroaniline	ND	0.0417	"
4-Chlorophenyl phenyl ether	ND	0.0417	"
4-Nitroaniline	ND	0.0833	"
4-Nitrophenol	ND	0.0833	"
Acenaphthene	ND	0.0417	"
Acenaphthylene	ND	0.0417	"
Acetophenone	ND	0.0417	"
Aniline	ND	0.167	"
Anthracene	ND	0.0417	"
Atrazine	ND	0.0417	"
Benzaldehyde	ND	0.0417	"
Benzidine	ND	0.167	"
Benzo(a)anthracene	ND	0.0417	"
Benzo(a)pyrene	ND	0.0417	"
Benzo(b)fluoranthene	ND	0.0417	"
Benzo(g,h,i)perylene	ND	0.0417	"
Benzo(k)fluoranthene	ND	0.0417	"
Benzoic acid	ND	0.0417	"
Benzyl alcohol	ND	0.0417	"
Benzyl butyl phthalate	ND	0.0417	"
Bis(2-chloroethoxy)methane	ND	0.0417	"
Bis(2-chloroethyl)ether	ND	0.0417	"
Bis(2-chloroisopropyl)ether	ND	0.0417	"
Bis(2-ethylhexyl)phthalate	ND	0.0417	"



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BK71216 - EPA 3550C

Blank (BK71216-BLK1)

Prepared & Analyzed: 11/28/2017

Caprolactam	ND	0.0833	mg/kg wet
Carbazole	ND	0.0417	"
Chrysene	ND	0.0417	"
Dibenzo(a,h)anthracene	ND	0.0417	"
Dibenzofuran	ND	0.0417	"
Diethyl phthalate	ND	0.0417	"
Dimethyl phthalate	ND	0.0417	"
Di-n-butyl phthalate	ND	0.0417	"
Di-n-octyl phthalate	ND	0.0417	"
Fluoranthene	ND	0.0417	"
Fluorene	ND	0.0417	"
Hexachlorobenzene	ND	0.0417	"
Hexachlorobutadiene	ND	0.0417	"
Hexachlorocyclopentadiene	ND	0.0417	"
Hexachloroethane	ND	0.0417	"
Indeno(1,2,3-cd)pyrene	ND	0.0417	"
Isophorone	ND	0.0417	"
Naphthalene	ND	0.0417	"
Nitrobenzene	ND	0.0417	"
N-Nitrosodimethylamine	ND	0.0417	"
N-nitroso-di-n-propylamine	ND	0.0417	"
N-Nitrosodiphenylamine	ND	0.0417	"
Pentachlorophenol	ND	0.0417	"
Phenanthrene	ND	0.0417	"
Phenol	ND	0.0417	"
Pyrene	ND	0.0417	"

Surrogate: 2-Fluorophenol	2.04	"	2.52	80.9	20-108
Surrogate: Phenol-d5	2.02	"	2.55	79.2	23-114
Surrogate: Nitrobenzene-d5	1.29	"	1.69	76.6	22-108
Surrogate: 2-Fluorobiphenyl	1.30	"	1.83	71.1	21-113
Surrogate: 2,4,6-Tribromophenol	1.92	"	2.53	75.8	19-110
Surrogate: Terphenyl-d14	1.08	"	1.77	61.2	24-116



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK71216 - EPA 3550C											
LCS (BK71216-BS1)						Prepared & Analyzed: 11/28/2017					
1,1-Biphenyl	0.648	0.0417	mg/kg wet	0.833		77.7	18-111				
1,2,4,5-Tetrachlorobenzene	0.802	0.0833	"	0.833		96.2	21-131				
1,2,4-Trichlorobenzene	0.672	0.0417	"	0.833		80.7	10-140				
1,2-Dichlorobenzene	0.638	0.0417	"	0.833		76.6	34-108				
1,2-Diphenylhydrazine (as Azobenzene)	0.165	0.0417	"	0.833		19.8	17-137				
1,3-Dichlorobenzene	0.608	0.0417	"	0.833		72.9	33-110				
1,4-Dichlorobenzene	0.626	0.0417	"	0.833		75.2	32-104				
2,3,4,6-Tetrachlorophenol	1.48	0.0833	"	0.833		178	30-130	High Bias			
2,4,5-Trichlorophenol	0.612	0.0417	"	0.833		73.4	27-118				
2,4,6-Trichlorophenol	0.663	0.0417	"	0.833		79.6	31-120				
2,4-Dichlorophenol	0.716	0.0417	"	0.833		85.9	20-127				
2,4-Dimethylphenol	0.757	0.0417	"	0.833		90.9	14-132				
2,4-Dinitrophenol	0.528	0.0833	"	0.833		63.4	10-171				
2,4-Dinitrotoluene	0.730	0.0417	"	0.833		87.6	34-131				
2,6-Dinitrotoluene	0.764	0.0417	"	0.833		91.7	31-128				
2-Chloronaphthalene	0.663	0.0417	"	0.833		79.6	31-117				
2-Chlorophenol	0.709	0.0417	"	0.833		85.1	33-113				
2-Methylnaphthalene	0.738	0.0417	"	0.833		88.6	12-138				
2-Methylphenol	0.622	0.0417	"	0.833		74.6	10-136				
2-Nitroaniline	0.761	0.0833	"	0.833		91.3	27-132				
2-Nitrophenol	0.729	0.0417	"	0.833		87.5	17-129				
3- & 4-Methylphenols	0.544	0.0417	"	0.833		65.2	29-103				
3,3-Dichlorobenzidine	0.542	0.0417	"	0.833		65.0	22-149				
3-Nitroaniline	0.586	0.0833	"	0.833		70.4	20-133				
4,6-Dinitro-2-methylphenol	0.636	0.0833	"	0.833		76.3	10-143				
4-Bromophenyl phenyl ether	0.699	0.0417	"	0.833		83.8	29-120				
4-Chloro-3-methylphenol	0.719	0.0417	"	0.833		86.3	24-129				
4-Chloroaniline	0.438	0.0417	"	0.833		52.5	10-132				
4-Chlorophenyl phenyl ether	0.674	0.0417	"	0.833		80.9	27-124				
4-Nitroaniline	0.680	0.0833	"	0.833		81.6	16-128				
4-Nitrophenol	0.698	0.0833	"	0.833		83.8	10-141				
Acenaphthene	0.718	0.0417	"	0.833		86.1	30-121				
Acenaphthylene	0.671	0.0417	"	0.833		80.6	30-115				
Acetophenone	0.594	0.0417	"	0.833		71.2	20-112				
Aniline	0.373	0.167	"	0.833		44.8	10-119				
Anthracene	0.744	0.0417	"	0.833		89.3	34-118				
Atrazine	0.717	0.0417	"	0.833		86.0	26-112				
Benzaldehyde	0.628	0.0417	"	0.833		75.4	21-100				
Benzo(a)anthracene	0.764	0.0417	"	0.833		91.6	32-122				
Benzo(a)pyrene	0.765	0.0417	"	0.833		91.8	29-133				
Benzo(b)fluoranthene	0.749	0.0417	"	0.833		89.8	25-133				
Benzo(g,h,i)perylene	0.748	0.0417	"	0.833		89.7	10-143				
Benzo(k)fluoranthene	0.759	0.0417	"	0.833		91.1	25-128				
Benzoic acid	0.630	0.0417	"	0.833		75.6	10-140				
Benzyl alcohol	0.659	0.0417	"	0.833		79.1	30-115				
Benzyl butyl phthalate	0.781	0.0417	"	0.833		93.7	26-126				
Bis(2-chloroethoxy)methane	0.765	0.0417	"	0.833		91.8	19-132				
Bis(2-chloroethyl)ether	0.761	0.0417	"	0.833		91.3	19-125				
Bis(2-chloroisopropyl)ether	0.726	0.0417	"	0.833		87.1	20-135				
Bis(2-ethylhexyl)phthalate	0.745	0.0417	"	0.833		89.4	10-155				
Caprolactam	0.633	0.0833	"	0.833		75.9	10-127				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK71216 - EPA 3550C										
LCS (BK71216-BS1)						Prepared & Analyzed: 11/28/2017				
Carbazole	0.725	0.0417	mg/kg wet	0.833		87.0			35-123	
Chrysene	0.763	0.0417	"	0.833		91.6			32-123	
Dibenzo(a,h)anthracene	0.749	0.0417	"	0.833		89.9			10-136	
Dibenzofuran	0.678	0.0417	"	0.833		81.3			29-121	
Diethyl phthalate	0.667	0.0417	"	0.833		80.1			34-116	
Dimethyl phthalate	0.648	0.0417	"	0.833		77.8			35-124	
Di-n-butyl phthalate	0.710	0.0417	"	0.833		85.2			31-116	
Di-n-octyl phthalate	0.760	0.0417	"	0.833		91.2			26-136	
Fluoranthene	0.763	0.0417	"	0.833		91.5			33-122	
Fluorene	0.703	0.0417	"	0.833		84.4			29-123	
Hexachlorobenzene	0.675	0.0417	"	0.833		81.0			21-124	
Hexachlorobutadiene	0.659	0.0417	"	0.833		79.1			10-149	
Hexachlorocyclopentadiene	0.210	0.0417	"	0.833		25.2			10-129	
Hexachloroethane	0.638	0.0417	"	0.833		76.5			28-108	
Indeno(1,2,3-cd)pyrene	0.745	0.0417	"	0.833		89.4			10-135	
Isophorone	0.689	0.0417	"	0.833		82.6			20-132	
Naphthalene	0.706	0.0417	"	0.833		84.8			23-124	
Nitrobenzene	0.672	0.0417	"	0.833		80.6			13-132	
N-Nitrosodimethylamine	0.620	0.0417	"	0.833		74.4			11-129	
N-nitroso-di-n-propylamine	0.608	0.0417	"	0.833		72.9			24-119	
N-Nitrosodiphenylamine	0.846	0.0417	"	0.833		102			22-152	
Pentachlorophenol	0.509	0.0417	"	0.833		61.1			10-139	
Phenanthrene	0.755	0.0417	"	0.833		90.6			33-123	
Phenol	0.809	0.0417	"	0.833		97.0			23-115	
Pyrene	0.789	0.0417	"	0.833		94.6			32-130	
<i>Surrogate: 2-Fluorophenol</i>	<i>2.13</i>		<i>"</i>	<i>2.52</i>		<i>84.5</i>			<i>20-108</i>	
<i>Surrogate: Phenol-d5</i>	<i>2.18</i>		<i>"</i>	<i>2.55</i>		<i>85.7</i>			<i>23-114</i>	
<i>Surrogate: Nitrobenzene-d5</i>	<i>1.41</i>		<i>"</i>	<i>1.69</i>		<i>83.8</i>			<i>22-108</i>	
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>1.36</i>		<i>"</i>	<i>1.83</i>		<i>74.5</i>			<i>21-113</i>	
<i>Surrogate: 2,4,6-Tribromophenol</i>	<i>2.18</i>		<i>"</i>	<i>2.53</i>		<i>86.1</i>			<i>19-110</i>	
<i>Surrogate: Terphenyl-d14</i>	<i>1.15</i>		<i>"</i>	<i>1.77</i>		<i>64.8</i>			<i>24-116</i>	



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

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

Batch BK71263 - EPA 3050B

Blank (BK71263-BLK1)

Prepared & Analyzed: 11/28/2017

Aluminum	ND	5.00	mg/kg wet
Antimony	ND	0.500	"
Arsenic	ND	1.00	"
Barium	ND	1.00	"
Beryllium	ND	0.100	"
Cadmium	ND	0.300	"
Calcium	ND	5.00	"
Chromium	ND	0.500	"
Cobalt	ND	0.500	"
Copper	1.65	0.500	"
Iron	ND	2.00	"
Lead	0.813	0.500	"
Magnesium	ND	5.00	"
Manganese	ND	0.500	"
Nickel	ND	0.500	"
Potassium	ND	5.00	"
Selenium	1.37	1.00	"
Silver	ND	0.500	"
Sodium	ND	10.0	"
Thallium	ND	1.00	"
Vanadium	ND	1.00	"
Zinc	ND	1.50	"

Reference (BK71263-SRM1)

Prepared & Analyzed: 11/28/2017

Aluminum	7700	5.00	mg/kg wet	8090	95.2	49.8-149.6
Antimony	93.4	0.500	"	99.3	94.0	0.5-207.5
Arsenic	98.3	1.00	"	100	98.3	80.9-120
Barium	212	1.00	"	217	97.7	81.6-118.4
Beryllium	148	0.100	"	147	101	81.6-119.1
Cadmium	82.3	0.300	"	83.7	98.3	81.2-118.9
Calcium	5840	5.00	"	6010	97.1	80.9-119
Chromium	101	0.500	"	107	94.3	77.5-121.5
Cobalt	124	0.500	"	123	101	82.1-117.9
Copper	178	0.500	"	166	107	80.7-118.7
Iron	12900	2.00	"	14600	88.2	45.1-154.8
Lead	87.6	0.500	"	88.4	99.1	81.2-118.8
Magnesium	2840	5.00	"	2930	96.8	74.7-125.3
Manganese	320	0.500	"	311	103	80.1-119.9
Nickel	34.9	0.500	"	49.8	70.0	80.9-118.9
Potassium	2570	5.00	"	2620	98.2	69.1-130.9
Selenium	93.4	1.00	"	87.7	107	76.1-124.3
Silver	35.3	0.500	"	41.4	85.2	73.7-126.1
Sodium	248	10.0	"	252	98.6	69.1-131.4
Thallium	59.2	1.00	"	58.1	102	77.6-122.6
Vanadium	133	1.00	"	140	95.1	76.4-122.9
Zinc	140	1.50	"	145	96.5	82.1-117.9

Low Bias



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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK71278 - EPA 7473 soil											
Blank (BK71278-BLK1)								Prepared & Analyzed: 11/28/2017			
Mercury	ND	0.0300	mg/kg wet								
Duplicate (BK71278-DUP1)								Prepared & Analyzed: 11/28/2017			
Mercury	ND	0.0363	mg/kg dry		0.0450					35	
Matrix Spike (BK71278-MS1)								Prepared & Analyzed: 11/28/2017			
Mercury	0.508		mg/kg	0.500	0.0372	94.2	75-125				
Reference (BK71278-SRM1)								Prepared & Analyzed: 11/28/2017			
Mercury	14.107		mg/kg	13.8		102	51.4-168.8				



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

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

Batch BK71157 - EPA SW846-3060

Blank (BK71157-BLK1)

Prepared & Analyzed: 11/27/2017

Chromium, Hexavalent ND 0.500 mg/kg wet

Reference (BK71157-SRM1)

Prepared & Analyzed: 11/27/2017

Chromium, Hexavalent 95.2 mg/L 207 46.0 25.6-116.9



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
17K0876-01	LSB-4 (15-17)	40mL Vial with Stir Bar-Cool 4° C
17K0876-02	LSB-3 (15-17)	40mL Vial with Stir Bar-Cool 4° C
17K0876-03	LSB-1 (15-17)	40mL Vial with Stir Bar-Cool 4° C
17K0876-04	LSB-2 (15-17)	40mL Vial with Stir Bar-Cool 4° C
17K0876-05	LSB-9 (0-2)	40mL Vial with Stir Bar-Cool 4° C
17K0876-06	LSB-8 (0-2)	40mL Vial with Stir Bar-Cool 4° C
17K0876-07	LSB-7 (0-2)	40mL Vial with Stir Bar-Cool 4° C
17K0876-08	LSB-5 (1-3)	40mL Vial with Stir Bar-Cool 4° C
17K0876-09	DUP-1	40mL Vial with Stir Bar-Cool 4° C
17K0876-10	LSB-6 (1-3)	40mL Vial with Stir Bar-Cool 4° C
17K0876-11	LSB-11 (1-3)	40mL Vial with Stir Bar-Cool 4° C
17K0876-12	LSB-10 (1-3)	40mL Vial with Stir Bar-Cool 4° C
17K0876-13	FB-1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
17K0876-14	TB-1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

SCAL-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%).
S-09	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect confirmed by re-extraction and re-analysis of the sample.
S-08	The recovery of this surrogate was outside of QC limits.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

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



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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

Revision Description: This report has been revised to correct Project ID.



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



Field Chain-of-Custody Record

YORK Project No.

17K0876

Page 1 of 2

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

YOUR INFORMATION		Report To:		Invoice To:		YOUR Project Number		Turn-Around Time	
Company	LABORAN	Company		Company		100674401		RUSH - Next Day	
Address	300 KIMBALL DRIVE 4TH FL	Address		Address		YOUR Project Name		RUSH - Two Day	
Phone	PARSONS NJ 07054	Phone		Phone		100674401 - 460 WEST		RUSH - Three Day	
Contact	973 560 4574	Contact		Contact		YOUR PO#:		RUSH - Four Day	
E-mail	AMANDA.FORSBERG@parsons.com	E-mail		E-mail				Standard (5-7 Day)	
Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.		Matrix Codes		Samples From		Report / EDD Type (circle selections)		YORK Reg. Comp.	
Samples Collected by: (print your name above and sign below) MATT O'ESKE 22602		S - soil / solid		New York		Summary Report		Compared to the following Regulation(s): (please fill in)	
		GW - groundwater		New Jersey		QA Report			
		DW - drinking water		Connecticut		NY ASP A Package			
		WW - wastewater		Pennsylvania		NY ASP B Package			
		O - Oil / Other		Other					
Sample Identification		Sample Matrix	Date/Time Sampled	Analysis Requested		Container Description			
LSB-4 (15-17)		S	11/20/17 9:15	VOC, SVOC, TAL Metals, Hexavalent Chromium		4.04, 1.802			
LSB-3 (15-17)		S	11/20/17 10:00						
LSB-1 (15-17)		S	11/20/17 10:25						
LSB-2 (15-17)		S	11/20/17 10:45						
LSB-9 (0-2)		S	11/20/17 12:50						
LSB-8 (0-2)		S	11/20/17 14:20						
LSB-7 (0-2)		S	11/20/17 14:50						
LSB-5 (1-3)		S	11/21/17 9:05						
DOP-1		S	11/21/17 9:20						
LSB-6 (1-3)		S	11/21/17 9:55						
Comments:		Preservation: (check all that apply)		Special Instruction					
		HCl MeOH HNO ₃ H ₂ SO ₄ NaOH ZnAc		Field Filtered Lab to Filter					
Samples Retransmitted by / Company		Date/Time	Samples Retransmitted by / Company		Date/Time				
2000		11/21/17 16:45	11/21/17 16:45		11/21/17 16:45				
MATT O'ESKE (LABORAN)									
Samples Received by / Company		Date/Time	Samples Received by / Company		Date/Time				
Samples Retransmitted by / Company		Date/Time	Samples Retransmitted by / Company		Date/Time				
Samples Received by / Company		Date/Time	Samples Received by / Company		Date/Time				
Temp. Received at Lab		1.1		1948					



Technical Report

prepared for:

Langan Engineering & Environmental Services (NJ)

300 Kimball Drive

Parsipanny NJ, 07054

Attention: Amanda Forsburg

Report Date: 11/30/2017

Client Project ID: 100674401

York Project (SDG) No.: 17K0877

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

120 RESEARCH DRIVE
www.YORKLAB.com

STRATFORD, CT 06615
(203) 325-1371



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

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 11/30/2017
Client Project ID: 100674401
York Project (SDG) No.: 17K0877

Langan Engineering & Environmental Services (NJ)
300 Kimball Drive
Parsipanny NJ, 07054
Attention: Amanda Forsburg

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 November 21, 2017 and listed below. The project was identified as your project: **100674401**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

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

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

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
17K0877-01	TW-2	Water	11/21/2017	11/21/2017
17K0877-02	TW-1	Water	11/21/2017	11/21/2017
17K0877-03	FB-2	Water	11/21/2017	11/21/2017
17K0877-04	TB-2	Water	11/21/2017	11/21/2017
17K0877-05	DUP-2	Water	11/21/2017	11/21/2017
17K0877-06	TW-3	Water	11/21/2017	11/21/2017

General Notes for York Project (SDG) No.: 17K0877

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

Approved By:



Benjamin Gulizia
Laboratory Director

Date: 11/30/2017





Sample Information

Client Sample ID: TW-2

York Sample ID: 17K0877-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0877

100674401

Water

November 21, 2017 9:30 am

11/21/2017

VOA, 8260 Low 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	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 13:50	SR
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 13:50	SR
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 13:50	SR
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 13:50	SR
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 13:50	SR
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 13:50	SR
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 13:50	SR
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 13:50	SR
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 13:50	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 13:50	SR
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 13:50	SR
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 13:50	SR
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 13:50	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 13:50	SR
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 13:50	SR
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 13:50	SR
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 13:50	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 13:50	SR
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 13:50	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 13:50	SR
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 13:50	SR
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 13:50	SR



Sample Information

Client Sample ID: TW-2

York Sample ID: 17K0877-01

York Project (SDG) No.

17K0877

Client Project ID

100674401

Matrix

Water

Collection Date/Time

November 21, 2017 9:30 am

Date Received

11/21/2017

VOA, 8260 Low 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	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 13:50	SR
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 13:50	SR
67-64-1	Acetone	1.92		ug/L	1.00	2.00	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 13:50	SR
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 13:50	SR
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 13:50	SR
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 13:50	SR
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30 NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 13:50	SR
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 13:50	SR
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 13:50	SR
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 13:50	SR
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 13:50	SR
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 13:50	SR
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 13:50	SR
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 13:50	SR
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 13:50	SR
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 13:50	SR
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 13:50	SR
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 13:50	SR
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30 NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 13:50	SR
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 13:50	SR
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30 NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 13:50	SR
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30 NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 13:50	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30 NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 13:50	SR



Sample Information

Client Sample ID: TW-2

York Sample ID: 17K0877-01

York Project (SDG) No.

17K0877

Client Project ID

100674401

Matrix

Water

Collection Date/Time

November 21, 2017 9:30 am

Date Received

11/21/2017

VOA, 8260 Low 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
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 13:50	SR
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 13:50	SR
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 13:50	SR
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 13:50	SR
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 13:50	SR
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 13:50	SR
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 13:50	SR
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 13:50	SR
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 13:50	SR
105-05-5	* p-Diethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 13:50	SR
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 13:50	SR
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 13:50	SR
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 13:50	SR
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 13:50	SR
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 13:50	SR
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 13:50	SR
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 13:50	SR
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 13:50	SR
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 13:50	SR
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 13:50	SR
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 13:50	SR
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 13:50	SR
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 13:50	SR



Sample Information

Client Sample ID: TW-2

York Sample ID: 17K0877-01

York Project (SDG) No.

17K0877

Client Project ID

100674401

Matrix

Water

Collection Date/Time

November 21, 2017 9:30 am

Date Received

11/21/2017

VOA, 8260 Low 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
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/29/2017 07:30	11/29/2017 13:50	SR
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	104 %		69-130							
2037-26-5	Surrogate: Toluene-d8	99.3 %		81-117							
460-00-4	Surrogate: p-Bromofluorobenzene	97.1 %		79-122							

SVOA, 8270 Low 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	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:03	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:03	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:03	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/27/2017 07:55	11/27/2017 14:03	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:03	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/27/2017 07:55	11/27/2017 14:03	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/27/2017 07:55	11/27/2017 14:03	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:03	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:03	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:03	SR
120-83-2	2,4-Dichlorophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:03	SR
105-67-9	2,4-Dimethylphenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:03	SR
51-28-5	2,4-Dinitrophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:03	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:03	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:03	SR
91-58-7	2-Chloronaphthalene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:03	SR
95-57-8	2-Chlorophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:03	SR



Sample Information

Client Sample ID: TW-2

York Sample ID: 17K0877-01

York Project (SDG) No.

17K0877

Client Project ID

100674401

Matrix

Water

Collection Date/Time

November 21, 2017 9:30 am

Date Received

11/21/2017

SVOA, 8270 Low 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	1.92	3.85	1	EPA 8270D Certifications:	11/27/2017 07:55 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 14:03	SR
95-48-7	2-Methylphenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	11/27/2017 07:55 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 14:03	SR
88-74-4	2-Nitroaniline	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	11/27/2017 07:55 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 14:03	SR
88-75-5	2-Nitrophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	11/27/2017 07:55 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 14:03	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	11/27/2017 07:55 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 14:03	SR
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	11/27/2017 07:55 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 14:03	SR
99-09-2	3-Nitroaniline	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	11/27/2017 07:55 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 14:03	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	11/27/2017 07:55 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 14:03	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	11/27/2017 07:55 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 14:03	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	11/27/2017 07:55 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 14:03	SR
106-47-8	4-Chloroaniline	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	11/27/2017 07:55 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 14:03	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	11/27/2017 07:55 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 14:03	SR
100-01-6	4-Nitroaniline	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	11/27/2017 07:55 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 14:03	SR
100-02-7	4-Nitrophenol	ND		ug/L	3.85	3.85	1	EPA 8270D Certifications:	11/27/2017 07:55 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 14:03	SR
98-86-2	Acetophenone	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	11/27/2017 07:55 NELAC-NY10854,NJDEP,PADEP	11/27/2017 14:03	SR
98-55-5	* Alpha Terpineol	ND		ug/L	3.85	7.69	1	EPA 8270D Certifications:	11/27/2017 07:55 PADEP	11/27/2017 14:03	SR
62-53-3	Aniline	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	11/27/2017 07:55 NELAC-NY10854,NJDEP,PADEP	11/27/2017 14:03	SR
100-52-7	Benzaldehyde	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	11/27/2017 07:55 NELAC-NY10854,NJDEP,PADEP	11/27/2017 14:03	SR
92-87-5	Benzidine	ND		ug/L	3.85	3.85	1	EPA 8270D Certifications:	11/27/2017 07:55 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 14:03	SR
65-85-0	Benzoic acid	ND		ug/L	19.2	38.5	1	EPA 8270D Certifications:	11/27/2017 07:55 NELAC-NY10854,NJDEP,PADEP	11/27/2017 14:03	SR
100-51-6	Benzyl alcohol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	11/27/2017 07:55 NELAC-NY10854,NJDEP,PADEP	11/27/2017 14:03	SR
85-68-7	Benzyl butyl phthalate	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	11/27/2017 07:55 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 14:03	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	11/27/2017 07:55 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 14:03	SR



Sample Information

Client Sample ID: TW-2

York Sample ID: 17K0877-01

York Project (SDG) No.

17K0877

Client Project ID

100674401

Matrix

Water

Collection Date/Time

November 21, 2017 9:30 am

Date Received

11/21/2017

SVOA, 8270 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	0.769	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:03	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:03	SR
105-60-2	Caprolactam	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:03	SR
86-74-8	Carbazole	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:03	SR
132-64-9	Dibenzofuran	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:03	SR
84-66-2	Diethyl phthalate	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:03	SR
131-11-3	Dimethyl phthalate	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:03	SR
84-74-2	Di-n-butyl phthalate	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:03	SR
117-84-0	Di-n-octyl phthalate	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:03	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	3.85	7.69	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:03	SR
78-59-1	Isophorone	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:03	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:03	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:03	SR
108-95-2	Phenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:03	SR
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	31.4 %	15-110								
4165-62-2	Surrogate: Phenol-d5	21.3 %	15-110								
4165-60-0	Surrogate: Nitrobenzene-d5	75.0 %	30-130								
321-60-8	Surrogate: 2-Fluorobiphenyl	71.1 %	30-130								
118-79-6	Surrogate: 2,4,6-Tribromophenol	92.9 %	15-110								
1718-51-0	Surrogate: Terphenyl-d14	58.2 %	30-130								

SVOA, 8270 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	1.17		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 13:59	SR
208-96-8	Acenaphthylene	0.0385		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 13:59	SR



Sample Information

Client Sample ID: TW-2

York Sample ID: 17K0877-01

York Project (SDG) No.

17K0877

Client Project ID

100674401

Matrix

Water

Collection Date/Time

November 21, 2017 9:30 am

Date Received

11/21/2017

SVOA, 8270 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-12-7	Anthracene	0.338		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 13:59	SR
1912-24-9	* Atrazine	ND		ug/L	0.385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 13:59	SR
56-55-3	Benzo(a)anthracene	0.115		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 13:59	SR
50-32-8	Benzo(a)pyrene	0.0615		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 13:59	SR
205-99-2	Benzo(b)fluoranthene	0.0385		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 13:59	SR
191-24-2	Benzo(g,h,i)perylene	0.0385		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 13:59	SR
207-08-9	Benzo(k)fluoranthene	0.0385		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 13:59	SR
117-81-7	* Bis(2-ethylhexyl)phthalate	ND		ug/L	0.385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 13:59	SR
218-01-9	Chrysene	0.108		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 13:59	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 13:59	SR
206-44-0	Fluoranthene	0.623		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 13:59	SR
86-73-7	Fluorene	0.292		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 13:59	SR
118-74-1	Hexachlorobenzene	ND		ug/L	0.0154	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	11/27/2017 07:55	11/27/2017 13:59	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	11/27/2017 07:55	11/27/2017 13:59	SR
67-72-1	* Hexachloroethane	ND		ug/L	0.385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	11/27/2017 07:55	11/27/2017 13:59	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 13:59	SR
91-20-3	Naphthalene	0.115		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 13:59	SR
98-95-3	* Nitrobenzene	ND		ug/L	0.192	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	11/27/2017 07:55	11/27/2017 13:59	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	11/27/2017 07:55	11/27/2017 13:59	SR
87-86-5	Pentachlorophenol	ND		ug/L	0.192	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	11/27/2017 07:55	11/27/2017 13:59	SR
85-01-8	Phenanthrene	1.02		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 13:59	SR
129-00-0	Pyrene	0.731		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 13:59	SR



Sample Information

Client Sample ID: TW-2

York Sample ID: 17K0877-01

York Project (SDG) No.

17K0877

Client Project ID

100674401

Matrix

Water

Collection Date/Time

November 21, 2017 9:30 am

Date Received

11/21/2017

Metals, Target Analyte, ICP

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	23.6		mg/L	0.556	10	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/29/2017 13:27	BML
7440-39-3	Barium	1.93		mg/L	0.111	10	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/29/2017 13:27	BML
7440-70-2	Calcium	400		mg/L	0.556	10	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/29/2017 13:27	BML
7440-47-3	Chromium	ND		mg/L	0.0556	10	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/29/2017 13:27	BML
7440-50-8	Copper	ND		mg/L	0.0333	10	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/29/2017 13:27	BML
7439-89-6	Iron	93.1		mg/L	0.222	10	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/29/2017 13:27	BML
7439-92-1	Lead	0.0928		mg/L	0.0556	10	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/29/2017 13:27	BML
7439-95-4	Magnesium	27.1		mg/L	0.556	10	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/29/2017 13:27	BML
7439-96-5	Manganese	7.47		mg/L	0.0556	10	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/29/2017 13:27	BML
7440-02-0	Nickel	ND		mg/L	0.0556	10	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/29/2017 13:27	BML
7440-09-7	Potassium	29.8	B	mg/L	0.556	10	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/29/2017 13:27	BML
7440-22-4	Silver	ND		mg/L	0.0556	10	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/29/2017 13:27	BML
7440-23-5	Sodium	779	B	mg/L	1.11	10	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/29/2017 13:27	BML
7440-62-2	Vanadium	0.217		mg/L	0.111	10	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/29/2017 13:27	BML
7440-66-6	Zinc	0.730		mg/L	0.167	10	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/29/2017 13:27	BML

Metals, Target Analyte, ICPMS

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		ug/L	1.11	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/30/2017 09:38	11/30/2017 13:19	BML
7440-38-2	Arsenic	10.7		ug/L	1.11	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/30/2017 09:38	11/30/2017 13:19	BML
7440-41-7	Beryllium	4.81		ug/L	0.333	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/30/2017 09:38	11/30/2017 13:19	BML
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/30/2017 09:38	11/30/2017 13:19	BML



Sample Information

Client Sample ID: TW-2

York Sample ID: 17K0877-01

York Project (SDG) No.

17K0877

Client Project ID

100674401

Matrix

Water

Collection Date/Time

November 21, 2017 9:30 am

Date Received

11/21/2017

Metals, Target Analyte, ICPMS

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-98-7	Molybdenum	1.13		ug/L	1.11	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/30/2017 09:38	11/30/2017 13:19	BML
7782-49-2	Selenium	28.7		ug/L	1.11	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/30/2017 09:38	11/30/2017 13:19	BML
7440-28-0	Thallium	ND		ug/L	1.11	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/30/2017 09:38	11/30/2017 13:19	BML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		ug/L	0.20	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/30/2017 09:48	11/30/2017 12:11	SY

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/L	0.0100	1	EPA 7196A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	11/21/2017 20:38	11/21/2017 20:38	TJM

Sample Information

Client Sample ID: TW-1

York Sample ID: 17K0877-02

York Project (SDG) No.

17K0877

Client Project ID

100674401

Matrix

Water

Collection Date/Time

November 21, 2017 2:00 pm

Date Received

11/21/2017

VOA, 8260 Low 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	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR



Sample Information

Client Sample ID: TW-1

York Sample ID: 17K0877-02

York Project (SDG) No.

17K0877

Client Project ID

100674401

Matrix

Water

Collection Date/Time

November 21, 2017 2:00 pm

Date Received

11/21/2017

VOA, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
67-64-1	Acetone	3.11		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR



Sample Information

Client Sample ID: TW-1

York Sample ID: 17K0877-02

York Project (SDG) No.

17K0877

Client Project ID

100674401

Matrix

Water

Collection Date/Time

November 21, 2017 2:00 pm

Date Received

11/21/2017

VOA, 8260 Low 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
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
1634-04-4	Methyl tert-butyl ether (MTBE)	1.50		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR



Sample Information

Client Sample ID: TW-1

York Sample ID: 17K0877-02

York Project (SDG) No.

17K0877

Client Project ID

100674401

Matrix

Water

Collection Date/Time

November 21, 2017 2:00 pm

Date Received

11/21/2017

VOA, 8260 Low 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
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:17	SR
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:17	SR
105-05-5	* p-Diethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 14:17	SR
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 14:17	SR
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	11/29/2017 07:30	11/29/2017 14:17	SR
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	103 %	69-130								
2037-26-5	Surrogate: Toluene-d8	99.6 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	98.0 %	79-122								

SVOA, 8270 Low Comprehensive

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: TW-1

York Sample ID: 17K0877-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0877

100674401

Water

November 21, 2017 2:00 pm

11/21/2017

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	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:32	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:32	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:32	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/27/2017 07:55	11/27/2017 14:32	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:32	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/27/2017 07:55	11/27/2017 14:32	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/27/2017 07:55	11/27/2017 14:32	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:32	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:32	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:32	SR
120-83-2	2,4-Dichlorophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:32	SR
105-67-9	2,4-Dimethylphenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:32	SR
51-28-5	2,4-Dinitrophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:32	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:32	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:32	SR
91-58-7	2-Chloronaphthalene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:32	SR
95-57-8	2-Chlorophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:32	SR
91-57-6	2-Methylnaphthalene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:32	SR
95-48-7	2-Methylphenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:32	SR
88-74-4	2-Nitroaniline	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:32	SR
88-75-5	2-Nitrophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:32	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:32	SR
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:32	SR
99-09-2	3-Nitroaniline	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:32	SR



Sample Information

Client Sample ID: TW-1

York Sample ID: 17K0877-02

York Project (SDG) No.

17K0877

Client Project ID

100674401

Matrix

Water

Collection Date/Time

November 21, 2017 2:00 pm

Date Received

11/21/2017

SVOA, 8270 Low 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
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	11/27/2017 07:55 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 14:32	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	11/27/2017 07:55 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 14:32	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	11/27/2017 07:55 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 14:32	SR
106-47-8	4-Chloroaniline	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	11/27/2017 07:55 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 14:32	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	11/27/2017 07:55 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 14:32	SR
100-01-6	4-Nitroaniline	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	11/27/2017 07:55 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 14:32	SR
100-02-7	4-Nitrophenol	ND		ug/L	3.85	3.85	1	EPA 8270D Certifications:	11/27/2017 07:55 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 14:32	SR
98-86-2	Acetophenone	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	11/27/2017 07:55 NELAC-NY10854,NJDEP,PADEP	11/27/2017 14:32	SR
98-55-5	* Alpha Terpineol	ND		ug/L	3.85	7.69	1	EPA 8270D Certifications:	11/27/2017 07:55 PADEP	11/27/2017 14:32	SR
62-53-3	Aniline	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	11/27/2017 07:55 NELAC-NY10854,NJDEP,PADEP	11/27/2017 14:32	SR
100-52-7	Benzaldehyde	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	11/27/2017 07:55 NELAC-NY10854,NJDEP,PADEP	11/27/2017 14:32	SR
92-87-5	Benzidine	ND		ug/L	3.85	3.85	1	EPA 8270D Certifications:	11/27/2017 07:55 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 14:32	SR
65-85-0	Benzoic acid	ND		ug/L	19.2	38.5	1	EPA 8270D Certifications:	11/27/2017 07:55 NELAC-NY10854,NJDEP,PADEP	11/27/2017 14:32	SR
100-51-6	Benzyl alcohol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	11/27/2017 07:55 NELAC-NY10854,NJDEP,PADEP	11/27/2017 14:32	SR
85-68-7	Benzyl butyl phthalate	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	11/27/2017 07:55 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 14:32	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	11/27/2017 07:55 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 14:32	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	0.769	3.85	1	EPA 8270D Certifications:	11/27/2017 07:55 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 14:32	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	11/27/2017 07:55 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 14:32	SR
105-60-2	Caprolactam	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	11/27/2017 07:55 NELAC-NY10854,NJDEP,PADEP	11/27/2017 14:32	SR
86-74-8	Carbazole	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	11/27/2017 07:55 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 14:32	SR
132-64-9	Dibenzofuran	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	11/27/2017 07:55 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 14:32	SR
84-66-2	Diethyl phthalate	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	11/27/2017 07:55 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 14:32	SR
131-11-3	Dimethyl phthalate	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	11/27/2017 07:55 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 14:32	SR



Sample Information

Client Sample ID: TW-1

York Sample ID: 17K0877-02

York Project (SDG) No.

17K0877

Client Project ID

100674401

Matrix

Water

Collection Date/Time

November 21, 2017 2:00 pm

Date Received

11/21/2017

SVOA, 8270 Low 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	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:32	SR
117-84-0	Di-n-octyl phthalate	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:32	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	3.85	7.69	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:32	SR
78-59-1	Isophorone	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:32	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:32	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:32	SR
108-95-2	Phenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:32	SR
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: 2-Fluorophenol	27.0 %			15-110						
4165-62-2	Surrogate: Phenol-d5	18.5 %			15-110						
4165-60-0	Surrogate: Nitrobenzene-d5	71.5 %			30-130						
321-60-8	Surrogate: 2-Fluorobiphenyl	63.9 %			30-130						
118-79-6	Surrogate: 2,4,6-Tribromophenol	76.6 %			15-110						
1718-51-0	Surrogate: Terphenyl-d14	45.5 %			30-130						

SVOA, 8270 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:30	SR
208-96-8	Acenaphthylene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:30	SR
120-12-7	Anthracene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:30	SR
1912-24-9	* Atrazine	ND		ug/L	0.385	1	EPA 8270D SIM Certifications:	11/27/2017 07:55	11/27/2017 14:30	SR
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:30	SR
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:30	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:30	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:30	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:30	SR
117-81-7	* Bis(2-ethylhexyl)phthalate	ND		ug/L	0.385	1	EPA 8270D SIM Certifications:	11/27/2017 07:55	11/27/2017 14:30	SR



Sample Information

Client Sample ID: TW-1

York Sample ID: 17K0877-02

York Project (SDG) No.

17K0877

Client Project ID

100674401

Matrix

Water

Collection Date/Time

November 21, 2017 2:00 pm

Date Received

11/21/2017

SVOA, 8270 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
218-01-9	Chrysene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:30	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:30	SR
206-44-0	Fluoranthene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:30	SR
86-73-7	Fluorene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:30	SR
118-74-1	Hexachlorobenzene	ND		ug/L	0.0154	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	11/27/2017 07:55	11/27/2017 14:30	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	11/27/2017 07:55	11/27/2017 14:30	SR
67-72-1	* Hexachloroethane	ND		ug/L	0.385	1	EPA 8270D SIM Certifications:	11/27/2017 07:55	11/27/2017 14:30	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:30	SR
91-20-3	Naphthalene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:30	SR
98-95-3	* Nitrobenzene	ND		ug/L	0.192	1	EPA 8270D SIM Certifications:	11/27/2017 07:55	11/27/2017 14:30	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	11/27/2017 07:55	11/27/2017 14:30	SR
87-86-5	Pentachlorophenol	ND		ug/L	0.192	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	11/27/2017 07:55	11/27/2017 14:30	SR
85-01-8	Phenanthrene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:30	SR
129-00-0	Pyrene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 14:30	SR

Metals, Target Analyte, ICP

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	26.4		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/28/2017 17:38	BML
7440-39-3	Barium	1.43		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/28/2017 17:38	BML
7440-70-2	Calcium	624		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/28/2017 17:38	BML
7440-47-3	Chromium	0.0952		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/28/2017 17:38	BML
7440-50-8	Copper	0.00351	B	mg/L	0.00333	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/28/2017 17:38	BML
7439-89-6	Iron	257		mg/L	0.0222	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/28/2017 17:38	BML



Sample Information

Client Sample ID: TW-1

York Sample ID: 17K0877-02

York Project (SDG) No.

17K0877

Client Project ID

100674401

Matrix

Water

Collection Date/Time

November 21, 2017 2:00 pm

Date Received

11/21/2017

Metals, Target Analyte, ICP

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	0.277		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/28/2017 17:38	BML
7439-95-4	Magnesium	87.5		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/28/2017 17:38	BML
7439-96-5	Manganese	16.1		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/28/2017 17:38	BML
7440-02-0	Nickel	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/28/2017 17:38	BML
7440-09-7	Potassium	70.8	B	mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/28/2017 17:38	BML
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/28/2017 17:38	BML
7440-23-5	Sodium	339	B	mg/L	0.111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/28/2017 17:38	BML
7440-62-2	Vanadium	0.250		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/28/2017 17:38	BML
7440-66-6	Zinc	0.507		mg/L	0.0167	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/28/2017 17:38	BML

Metals, Target Analyte, ICPMS

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		ug/L	1.11	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/30/2017 09:38	11/30/2017 13:38	BML
7440-38-2	Arsenic	13.9		ug/L	1.11	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/30/2017 09:38	11/30/2017 13:38	BML
7440-41-7	Beryllium	7.45		ug/L	0.333	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/30/2017 09:38	11/30/2017 13:38	BML
7440-43-9	Cadmium	0.667		ug/L	0.556	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/30/2017 09:38	11/30/2017 13:38	BML
7439-98-7	Molybdenum	ND		ug/L	1.11	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/30/2017 09:38	11/30/2017 13:38	BML
7782-49-2	Selenium	38.6		ug/L	1.11	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/30/2017 09:38	11/30/2017 13:38	BML
7440-28-0	Thallium	ND		ug/L	1.11	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/30/2017 09:38	11/30/2017 13:38	BML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

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



Sample Information

Client Sample ID: TW-1

York Sample ID: 17K0877-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0877

100674401

Water

November 21, 2017 2:00 pm

11/21/2017

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		ug/L	0.20	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/30/2017 09:48	11/30/2017 12:38	SY

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/L	0.0100	1	EPA 7196A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	11/21/2017 20:38	11/21/2017 20:38	TJM

Sample Information

Client Sample ID: FB-2

York Sample ID: 17K0877-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0877

100674401

Water

November 21, 2017 10:10 am

11/21/2017

VOA, 8260 Low 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	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR



Sample Information

Client Sample ID: FB-2

York Sample ID: 17K0877-03

York Project (SDG) No.

17K0877

Client Project ID

100674401

Matrix

Water

Collection Date/Time

November 21, 2017 10:10 am

Date Received

11/21/2017

VOA, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 14:45	SR
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 14:45	SR
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 14:45	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 14:45	SR
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 14:45	SR
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 14:45	SR
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 14:45	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 14:45	SR
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 14:45	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 14:45	SR
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 14:45	SR
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 14:45	SR
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 14:45	SR
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 14:45	SR
67-64-1	Acetone	1.25		ug/L	1.00	2.00	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 14:45	SR
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 14:45	SR
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 14:45	SR
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 14:45	SR
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 14:45	SR
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 14:45	SR
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 14:45	SR
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 14:45	SR
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 14:45	SR



Sample Information

Client Sample ID: FB-2

York Sample ID: 17K0877-03

York Project (SDG) No.

17K0877

Client Project ID

100674401

Matrix

Water

Collection Date/Time

November 21, 2017 10:10 am

Date Received

11/21/2017

VOA, 8260 Low 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
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:45	SR
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/29/2017 07:30	11/29/2017 14:45	SR
105-05-5	* p-Diethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 14:45	SR
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 14:45	SR



Sample Information

Client Sample ID: FB-2

York Sample ID: 17K0877-03

York Project (SDG) No.

17K0877

Client Project ID

100674401

Matrix

Water

Collection Date/Time

November 21, 2017 10:10 am

Date Received

11/21/2017

VOA, 8260 Low 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
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	11/29/2017 07:30	11/29/2017 14:45	SR
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	112 %	69-130								
2037-26-5	Surrogate: Toluene-d8	96.7 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	97.2 %	79-122								

SVOA, 8270 Low 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	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR



Sample Information

Client Sample ID: FB-2

York Sample ID: 17K0877-03

York Project (SDG) No.

17K0877

Client Project ID

100674401

Matrix

Water

Collection Date/Time

November 21, 2017 10:10 am

Date Received

11/21/2017

SVOA, 8270 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
541-73-1	1,3-Dichlorobenzene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
120-83-2	2,4-Dichlorophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
105-67-9	2,4-Dimethylphenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
51-28-5	2,4-Dinitrophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
91-58-7	2-Chloronaphthalene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
95-57-8	2-Chlorophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
91-57-6	2-Methylnaphthalene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
95-48-7	2-Methylphenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
88-74-4	2-Nitroaniline	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
88-75-5	2-Nitrophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
99-09-2	3-Nitroaniline	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
106-47-8	4-Chloroaniline	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR



Sample Information

Client Sample ID: FB-2

York Sample ID: 17K0877-03

York Project (SDG) No.

17K0877

Client Project ID

100674401

Matrix

Water

Collection Date/Time

November 21, 2017 10:10 am

Date Received

11/21/2017

SVOA, 8270 Low 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
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
100-01-6	4-Nitroaniline	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
100-02-7	4-Nitrophenol	ND		ug/L	3.85	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
98-86-2	Acetophenone	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
98-55-5	* Alpha Terpineol	ND		ug/L	3.85	7.69	1	EPA 8270D Certifications: PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
62-53-3	Aniline	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
100-52-7	Benzaldehyde	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
92-87-5	Benzidine	ND		ug/L	3.85	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
65-85-0	Benzoic acid	ND		ug/L	19.2	38.5	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
100-51-6	Benzyl alcohol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
85-68-7	Benzyl butyl phthalate	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	0.769	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
105-60-2	Caprolactam	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
86-74-8	Carbazole	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
132-64-9	Dibenzofuran	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
84-66-2	Diethyl phthalate	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
131-11-3	Dimethyl phthalate	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
84-74-2	Di-n-butyl phthalate	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
117-84-0	Di-n-octyl phthalate	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	3.85	7.69	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
78-59-1	Isophorone	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR



Sample Information

Client Sample ID: FB-2

York Sample ID: 17K0877-03

York Project (SDG) No.

17K0877

Client Project ID

100674401

Matrix

Water

Collection Date/Time

November 21, 2017 10:10 am

Date Received

11/21/2017

SVOA, 8270 Low 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
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
108-95-2	Phenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:03	SR
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: 2-Fluorophenol	31.5 %			15-110						
4165-62-2	Surrogate: Phenol-d5	19.4 %			15-110						
4165-60-0	Surrogate: Nitrobenzene-d5	74.8 %			30-130						
321-60-8	Surrogate: 2-Fluorobiphenyl	69.2 %			30-130						
118-79-6	Surrogate: 2,4,6-Tribromophenol	78.5 %			15-110						
1718-51-0	Surrogate: Terphenyl-d14	57.4 %			30-130						

SVOA, 8270 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:01	SR
208-96-8	Acenaphthylene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:01	SR
120-12-7	Anthracene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:01	SR
1912-24-9	* Atrazine	ND		ug/L	0.385	1	EPA 8270D SIM Certifications:	11/27/2017 07:55	11/27/2017 15:01	SR
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:01	SR
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:01	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:01	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:01	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:01	SR
117-81-7	* Bis(2-ethylhexyl)phthalate	ND		ug/L	0.385	1	EPA 8270D SIM Certifications:	11/27/2017 07:55	11/27/2017 15:01	SR
218-01-9	Chrysene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:01	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:01	SR
206-44-0	Fluoranthene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:01	SR
86-73-7	Fluorene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:01	SR



Sample Information

Client Sample ID: FB-2

York Sample ID: 17K0877-03

York Project (SDG) No.

17K0877

Client Project ID

100674401

Matrix

Water

Collection Date/Time

November 21, 2017 10:10 am

Date Received

11/21/2017

SVOA, 8270 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
118-74-1	Hexachlorobenzene	ND		ug/L	0.0154	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	11/27/2017 07:55	11/27/2017 15:01	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	11/27/2017 07:55	11/27/2017 15:01	SR
67-72-1	* Hexachloroethane	ND		ug/L	0.385	1	EPA 8270D SIM Certifications:	11/27/2017 07:55	11/27/2017 15:01	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:01	SR
91-20-3	Naphthalene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:01	SR
98-95-3	* Nitrobenzene	ND		ug/L	0.192	1	EPA 8270D SIM Certifications:	11/27/2017 07:55	11/27/2017 15:01	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	11/27/2017 07:55	11/27/2017 15:01	SR
87-86-5	Pentachlorophenol	ND		ug/L	0.192	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	11/27/2017 07:55	11/27/2017 15:01	SR
85-01-8	Phenanthrene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:01	SR
129-00-0	Pyrene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:01	SR

Metals, Target Analyte, ICP

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/28/2017 17:43	BML
7440-39-3	Barium	ND		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/28/2017 17:43	BML
7440-70-2	Calcium	ND		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/28/2017 17:43	BML
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/28/2017 17:43	BML
7440-50-8	Copper	0.0116	B	mg/L	0.00333	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/28/2017 17:43	BML
7439-89-6	Iron	0.0446		mg/L	0.0222	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/28/2017 17:43	BML
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/28/2017 17:43	BML
7439-95-4	Magnesium	ND		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/28/2017 17:43	BML
7439-96-5	Manganese	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/28/2017 17:43	BML
7440-02-0	Nickel	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/28/2017 17:43	BML



Sample Information

Client Sample ID: FB-2

York Sample ID: 17K0877-03

York Project (SDG) No.

17K0877

Client Project ID

100674401

Matrix

Water

Collection Date/Time

November 21, 2017 10:10 am

Date Received

11/21/2017

Metals, Target Analyte, ICP

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-09-7	Potassium	0.0955	B	mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/28/2017 17:43	BML
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/28/2017 17:43	BML
7440-23-5	Sodium	0.448	B	mg/L	0.111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/28/2017 17:43	BML
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/28/2017 17:43	BML
7440-66-6	Zinc	ND		mg/L	0.0167	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/28/2017 17:43	BML

Metals, Target Analyte, ICPMS

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		ug/L	1.11	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/30/2017 09:38	11/30/2017 13:42	BML
7440-38-2	Arsenic	ND		ug/L	1.11	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/30/2017 09:38	11/30/2017 13:42	BML
7440-41-7	Beryllium	ND		ug/L	0.333	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/30/2017 09:38	11/30/2017 13:42	BML
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/30/2017 09:38	11/30/2017 13:42	BML
7439-98-7	Molybdenum	ND		ug/L	1.11	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/30/2017 09:38	11/30/2017 13:42	BML
7782-49-2	Selenium	ND		ug/L	1.11	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/30/2017 09:38	11/30/2017 13:42	BML
7440-28-0	Thallium	ND		ug/L	1.11	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/30/2017 09:38	11/30/2017 13:42	BML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		ug/L	0.20	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/30/2017 09:48	11/30/2017 12:45	SY

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/L	0.0100	1	EPA 7196A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	11/21/2017 20:38	11/21/2017 20:38	TJM



Sample Information

Client Sample ID: FB-2

York Sample ID: 17K0877-03

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
17K0877	100674401	Water	November 21, 2017 10:10 am	11/21/2017

Sample Information

Client Sample ID: TB-2

York Sample ID: 17K0877-04

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
17K0877	100674401	Water	November 21, 2017 5:00 pm	11/21/2017

VOA, 8260 Low 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	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR



Sample Information

Client Sample ID: TB-2

York Sample ID: 17K0877-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0877

100674401

Water

November 21, 2017 5:00 pm

11/21/2017

VOA, 8260 Low 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
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR



Sample Information

Client Sample ID: TB-2

York Sample ID: 17K0877-04

York Project (SDG) No.

17K0877

Client Project ID

100674401

Matrix

Water

Collection Date/Time

November 21, 2017 5:00 pm

Date Received

11/21/2017

VOA, 8260 Low 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
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 15:12	SR
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30 NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 15:12	SR
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30 NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 15:12	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30 NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 15:12	SR
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 15:12	SR
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30 NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 15:12	SR
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 15:12	SR
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30 NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 15:12	SR
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 15:12	SR
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 15:12	SR
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 15:12	SR
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/29/2017 15:12	SR
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/29/2017 15:12	SR
105-05-5	* p-Diethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 15:12	SR
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 15:12	SR
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 15:12	SR
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 15:12	SR
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 15:12	SR
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications:	11/29/2017 07:30 NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 15:12	SR
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 15:12	SR
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 15:12	SR
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 15:12	SR
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 15:12	SR



Sample Information

Client Sample ID: TB-2

York Sample ID: 17K0877-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0877

100674401

Water

November 21, 2017 5:00 pm

11/21/2017

VOA, 8260 Low 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
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	11/29/2017 07:30	11/29/2017 15:12	SR
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	108 %	69-130								
2037-26-5	Surrogate: Toluene-d8	99.1 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	99.1 %	79-122								

Sample Information

Client Sample ID: DUP-2

York Sample ID: 17K0877-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0877

100674401

Water

November 21, 2017 9:50 am

11/21/2017

VOA, 8260 Low 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	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR



Sample Information

Client Sample ID: DUP-2

York Sample ID: 17K0877-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0877

100674401

Water

November 21, 2017 9:50 am

11/21/2017

VOA, 8260 Low 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
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR
67-64-1	Acetone	2.41		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 15:40	SR



Sample Information

Client Sample ID: DUP-2

York Sample ID: 17K0877-05

York Project (SDG) No.

17K0877

Client Project ID

100674401

Matrix

Water

Collection Date/Time

November 21, 2017 9:50 am

Date Received

11/21/2017

VOA, 8260 Low 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
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 15:40	SR
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 15:40	SR
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 15:40	SR
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 15:40	SR
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 15:40	SR
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 15:40	SR
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 15:40	SR
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 15:40	SR
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30 NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 15:40	SR
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 15:40	SR
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30 NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 15:40	SR
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30 NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 15:40	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30 NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 15:40	SR
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 15:40	SR
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30 NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 15:40	SR
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 15:40	SR
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30 NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 15:40	SR
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 15:40	SR
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 15:40	SR
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 15:40	SR
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/29/2017 15:40	SR
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/29/2017 15:40	SR
105-05-5	* p-Diethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	11/29/2017 15:40	SR



Sample Information

Client Sample ID: DUP-2

York Sample ID: 17K0877-05

York Project (SDG) No.

17K0877

Client Project ID

100674401

Matrix

Water

Collection Date/Time

November 21, 2017 9:50 am

Date Received

11/21/2017

VOA, 8260 Low 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
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 15:40	SR
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 15:40	SR
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 15:40	SR
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 15:40	SR
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 15:40	SR
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 15:40	SR
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 15:40	SR
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 15:40	SR
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 15:40	SR
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 15:40	SR
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 15:40	SR
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 15:40	SR
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 15:40	SR
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 15:40	SR
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	106 %	69-130								
2037-26-5	Surrogate: Toluene-d8	98.8 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	98.4 %	79-122								

SVOA, 8270 Low 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	1.92	3.85	1	EPA 8270D Certifications:	11/27/2017 07:55	11/27/2017 15:33	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	11/27/2017 07:55	11/27/2017 15:33	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	11/27/2017 07:55	11/27/2017 15:33	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	11/27/2017 07:55	11/27/2017 15:33	SR



Sample Information

Client Sample ID: DUP-2

York Sample ID: 17K0877-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0877

100674401

Water

November 21, 2017 9:50 am

11/21/2017

SVOA, 8270 Low 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
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:33	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/27/2017 07:55	11/27/2017 15:33	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	11/27/2017 07:55	11/27/2017 15:33	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:33	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:33	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:33	SR
120-83-2	2,4-Dichlorophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:33	SR
105-67-9	2,4-Dimethylphenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:33	SR
51-28-5	2,4-Dinitrophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:33	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:33	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:33	SR
91-58-7	2-Chloronaphthalene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:33	SR
95-57-8	2-Chlorophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:33	SR
91-57-6	2-Methylnaphthalene	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:33	SR
95-48-7	2-Methylphenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:33	SR
88-74-4	2-Nitroaniline	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:33	SR
88-75-5	2-Nitrophenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:33	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:33	SR
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:33	SR
99-09-2	3-Nitroaniline	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:33	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:33	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:33	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:33	SR



Sample Information

Client Sample ID: DUP-2

York Sample ID: 17K0877-05

York Project (SDG) No.

17K0877

Client Project ID

100674401

Matrix

Water

Collection Date/Time

November 21, 2017 9:50 am

Date Received

11/21/2017

SVOA, 8270 Low 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
106-47-8	4-Chloroaniline	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	11/27/2017 07:55 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 15:33	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	11/27/2017 07:55 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 15:33	SR
100-01-6	4-Nitroaniline	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	11/27/2017 07:55 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 15:33	SR
100-02-7	4-Nitrophenol	ND		ug/L	3.85	3.85	1	EPA 8270D Certifications:	11/27/2017 07:55 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 15:33	SR
98-86-2	Acetophenone	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	11/27/2017 07:55 NELAC-NY10854,NJDEP,PADEP	11/27/2017 15:33	SR
98-55-5	* Alpha Terpineol	ND		ug/L	3.85	7.69	1	EPA 8270D Certifications:	11/27/2017 07:55 PADEP	11/27/2017 15:33	SR
62-53-3	Aniline	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	11/27/2017 07:55 NELAC-NY10854,NJDEP,PADEP	11/27/2017 15:33	SR
100-52-7	Benzaldehyde	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	11/27/2017 07:55 NELAC-NY10854,NJDEP,PADEP	11/27/2017 15:33	SR
92-87-5	Benzidine	ND		ug/L	3.85	3.85	1	EPA 8270D Certifications:	11/27/2017 07:55 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 15:33	SR
65-85-0	Benzoic acid	ND		ug/L	19.2	38.5	1	EPA 8270D Certifications:	11/27/2017 07:55 NELAC-NY10854,NJDEP,PADEP	11/27/2017 15:33	SR
100-51-6	Benzyl alcohol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	11/27/2017 07:55 NELAC-NY10854,NJDEP,PADEP	11/27/2017 15:33	SR
85-68-7	Benzyl butyl phthalate	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	11/27/2017 07:55 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 15:33	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	11/27/2017 07:55 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 15:33	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	0.769	3.85	1	EPA 8270D Certifications:	11/27/2017 07:55 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 15:33	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	11/27/2017 07:55 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 15:33	SR
105-60-2	Caprolactam	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	11/27/2017 07:55 NELAC-NY10854,NJDEP,PADEP	11/27/2017 15:33	SR
86-74-8	Carbazole	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	11/27/2017 07:55 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 15:33	SR
132-64-9	Dibenzofuran	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	11/27/2017 07:55 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 15:33	SR
84-66-2	Diethyl phthalate	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	11/27/2017 07:55 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 15:33	SR
131-11-3	Dimethyl phthalate	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	11/27/2017 07:55 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 15:33	SR
84-74-2	Di-n-butyl phthalate	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	11/27/2017 07:55 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 15:33	SR
117-84-0	Di-n-octyl phthalate	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications:	11/27/2017 07:55 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 15:33	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	3.85	7.69	1	EPA 8270D Certifications:	11/27/2017 07:55 CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 15:33	SR



Sample Information

Client Sample ID: DUP-2

York Sample ID: 17K0877-05

York Project (SDG) No.

17K0877

Client Project ID

100674401

Matrix

Water

Collection Date/Time

November 21, 2017 9:50 am

Date Received

11/21/2017

SVOA, 8270 Low 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
78-59-1	Isophorone	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:33	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:33	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:33	SR
108-95-2	Phenol	ND		ug/L	1.92	3.85	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:33	SR
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: 2-Fluorophenol	29.3 %			15-110						
4165-62-2	Surrogate: Phenol-d5	19.5 %			15-110						
4165-60-0	Surrogate: Nitrobenzene-d5	66.4 %			30-130						
321-60-8	Surrogate: 2-Fluorobiphenyl	60.6 %			30-130						
118-79-6	Surrogate: 2,4,6-Tribromophenol	80.3 %			15-110						
1718-51-0	Surrogate: Terphenyl-d14	47.4 %			30-130						

SVOA, 8270 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	1.22		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:32	SR
208-96-8	Acenaphthylene	0.0385		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:32	SR
120-12-7	Anthracene	0.346		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:32	SR
1912-24-9	* Atrazine	ND		ug/L	0.385	1	EPA 8270D SIM Certifications:	11/27/2017 07:55	11/27/2017 15:32	SR
56-55-3	Benzo(a)anthracene	0.0615		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:32	SR
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:32	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:32	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:32	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:32	SR
117-81-7	* Bis(2-ethylhexyl)phthalate	0.477		ug/L	0.385	1	EPA 8270D SIM Certifications:	11/27/2017 07:55	11/27/2017 15:32	SR
218-01-9	Chrysene	0.0538		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:32	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:32	SR



Sample Information

Client Sample ID: DUP-2

York Sample ID: 17K0877-05

York Project (SDG) No.

17K0877

Client Project ID

100674401

Matrix

Water

Collection Date/Time

November 21, 2017 9:50 am

Date Received

11/21/2017

SVOA, 8270 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
206-44-0	Fluoranthene	0.538		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:32	SR
86-73-7	Fluorene	0.323		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:32	SR
118-74-1	Hexachlorobenzene	ND		ug/L	0.0154	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	11/27/2017 07:55	11/27/2017 15:32	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	11/27/2017 07:55	11/27/2017 15:32	SR
67-72-1	* Hexachloroethane	ND		ug/L	0.385	1	EPA 8270D SIM Certifications:	11/27/2017 07:55	11/27/2017 15:32	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:32	SR
91-20-3	Naphthalene	0.100		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:32	SR
98-95-3	* Nitrobenzene	ND		ug/L	0.192	1	EPA 8270D SIM Certifications:	11/27/2017 07:55	11/27/2017 15:32	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	11/27/2017 07:55	11/27/2017 15:32	SR
87-86-5	Pentachlorophenol	ND		ug/L	0.192	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	11/27/2017 07:55	11/27/2017 15:32	SR
85-01-8	Phenanthrene	1.10		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:32	SR
129-00-0	Pyrene	0.623		ug/L	0.0385	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/27/2017 07:55	11/27/2017 15:32	SR

Metals, Target Analyte, ICP

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	20.6		mg/L	0.556	10	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/29/2017 13:33	BML
7440-39-3	Barium	1.70		mg/L	0.111	10	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/29/2017 13:33	BML
7440-70-2	Calcium	346		mg/L	0.556	10	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/29/2017 13:33	BML
7440-47-3	Chromium	ND		mg/L	0.0556	10	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/29/2017 13:33	BML
7440-50-8	Copper	ND		mg/L	0.0333	10	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/29/2017 13:33	BML
7439-89-6	Iron	80.1		mg/L	0.222	10	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/29/2017 13:33	BML
7439-92-1	Lead	0.0789		mg/L	0.0556	10	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/29/2017 13:33	BML



Sample Information

Client Sample ID: DUP-2

York Sample ID: 17K0877-05

York Project (SDG) No.

17K0877

Client Project ID

100674401

Matrix

Water

Collection Date/Time

November 21, 2017 9:50 am

Date Received

11/21/2017

Metals, Target Analyte, ICP

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-95-4	Magnesium	23.2		mg/L	0.556	10	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/29/2017 13:33	BML
7439-96-5	Manganese	6.49		mg/L	0.0556	10	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/29/2017 13:33	BML
7440-02-0	Nickel	ND		mg/L	0.0556	10	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/29/2017 13:33	BML
7440-09-7	Potassium	28.4	B	mg/L	0.556	10	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/29/2017 13:33	BML
7440-22-4	Silver	ND		mg/L	0.0556	10	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/29/2017 13:33	BML
7440-23-5	Sodium	718	B	mg/L	1.11	10	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/29/2017 13:33	BML
7440-62-2	Vanadium	0.182		mg/L	0.111	10	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/29/2017 13:33	BML
7440-66-6	Zinc	0.610		mg/L	0.167	10	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/28/2017 09:42	11/29/2017 13:33	BML

Metals, Target Analyte, ICPMS

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		ug/L	1.11	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/30/2017 09:38	11/30/2017 13:46	BML
7440-38-2	Arsenic	9.57		ug/L	1.11	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/30/2017 09:38	11/30/2017 13:46	BML
7440-41-7	Beryllium	4.54		ug/L	0.333	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/30/2017 09:38	11/30/2017 13:46	BML
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/30/2017 09:38	11/30/2017 13:46	BML
7439-98-7	Molybdenum	1.29		ug/L	1.11	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/30/2017 09:38	11/30/2017 13:46	BML
7782-49-2	Selenium	23.1		ug/L	1.11	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/30/2017 09:38	11/30/2017 13:46	BML
7440-28-0	Thallium	ND		ug/L	1.11	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/30/2017 09:38	11/30/2017 13:46	BML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		ug/L	0.20	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	11/30/2017 09:48	11/30/2017 12:53	SY



Sample Information

Client Sample ID: DUP-2

York Sample ID: 17K0877-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0877

100674401

Water

November 21, 2017 9:50 am

11/21/2017

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/L	0.0100	1	EPA 7196A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	11/21/2017 20:38	11/21/2017 20:38	TJM

Sample Information

Client Sample ID: TW-3

York Sample ID: 17K0877-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0877

100674401

Water

November 21, 2017 4:15 pm

11/21/2017

VOA, 8260 Low 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	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 16:07	SR
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 16:07	SR
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 16:07	SR
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 16:07	SR
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 16:07	SR
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 16:07	SR
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 16:07	SR
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 16:07	SR
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 16:07	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 16:07	SR
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 16:07	SR
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 16:07	SR
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 16:07	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 16:07	SR



Sample Information

Client Sample ID: TW-3

York Sample ID: 17K0877-06

York Project (SDG) No.

17K0877

Client Project ID

100674401

Matrix

Water

Collection Date/Time

November 21, 2017 4:15 pm

Date Received

11/21/2017

VOA, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 16:07	SR
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 16:07	SR
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 16:07	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 16:07	SR
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 16:07	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 16:07	SR
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 16:07	SR
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 16:07	SR
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 16:07	SR
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 16:07	SR
67-64-1	Acetone	65.2		ug/L	1.00	2.00	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 16:07	SR
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 16:07	SR
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 16:07	SR
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 16:07	SR
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 16:07	SR
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 16:07	SR
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 16:07	SR
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 16:07	SR
75-15-0	Carbon disulfide	0.260		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 16:07	SR
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 16:07	SR
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 16:07	SR
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 16:07	SR
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 16:07	SR



Sample Information

Client Sample ID: TW-3

York Sample ID: 17K0877-06

York Project (SDG) No.

17K0877

Client Project ID

100674401

Matrix

Water

Collection Date/Time

November 21, 2017 4:15 pm

Date Received

11/21/2017

VOA, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 16:07	SR
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 16:07	SR
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 16:07	SR
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 16:07	SR
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 16:07	SR
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 16:07	SR
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 16:07	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 16:07	SR
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 16:07	SR
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 16:07	SR
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 16:07	SR
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 16:07	SR
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 16:07	SR
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 16:07	SR
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 16:07	SR
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 16:07	SR
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 16:07	SR
105-05-5	* p-Diethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 16:07	SR
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 16:07	SR
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 16:07	SR
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 16:07	SR
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 16:07	SR
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications:	11/29/2017 07:30	11/29/2017 16:07	SR



Sample Information

Client Sample ID: TW-3

York Sample ID: 17K0877-06

York Project (SDG) No.

17K0877

Client Project ID

100674401

Matrix

Water

Collection Date/Time

November 21, 2017 4:15 pm

Date Received

11/21/2017

VOA, 8260 Low 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
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 16:07	SR
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 16:07	SR
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 16:07	SR
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 16:07	SR
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 16:07	SR
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 16:07	SR
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 16:07	SR
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	11/29/2017 07:30	11/29/2017 16:07	SR
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	11/29/2017 07:30	11/29/2017 16:07	SR
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	104 %	69-130								
2037-26-5	Surrogate: Toluene-d8	99.0 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	94.3 %	79-122								



Analytical Batch Summary

Batch ID: BK71109 **Preparation Method:** Analysis Preparation **Prepared By:** TJM

YORK Sample ID	Client Sample ID	Preparation Date
17K0877-01	TW-2	11/21/17
17K0877-02	TW-1	11/21/17
17K0877-03	FB-2	11/21/17
17K0877-05	DUP-2	11/21/17
BK71109-BLK1	Blank	11/22/17
BK71109-BS1	LCS	11/22/17
BK71109-DUP1	Duplicate	11/22/17
BK71109-MS1	Matrix Spike	11/22/17

Batch ID: BK71150 **Preparation Method:** EPA 3510C **Prepared By:** KNK

YORK Sample ID	Client Sample ID	Preparation Date
17K0877-01	TW-2	11/27/17
17K0877-02	TW-1	11/27/17
17K0877-03	FB-2	11/27/17
17K0877-05	DUP-2	11/27/17
BK71150-BLK1	Blank	11/27/17
BK71150-BLK2	Blank	11/27/17
BK71150-BS1	LCS	11/27/17
BK71150-BS2	LCS	11/27/17
BK71150-BSD1	LCS Dup	11/27/17

Batch ID: BK71249 **Preparation Method:** EPA 3015A **Prepared By:** KML

YORK Sample ID	Client Sample ID	Preparation Date
17K0877-01	TW-2	11/28/17
17K0877-02	TW-1	11/28/17
17K0877-03	FB-2	11/28/17
17K0877-05	DUP-2	11/28/17
BK71249-BLK1	Blank	11/28/17
BK71249-SRM1	Reference	11/28/17

Batch ID: BK71304 **Preparation Method:** EPA 5030B **Prepared By:** RDS

YORK Sample ID	Client Sample ID	Preparation Date
17K0877-01	TW-2	11/29/17
17K0877-02	TW-1	11/29/17
17K0877-03	FB-2	11/29/17
17K0877-04	TB-2	11/29/17
17K0877-05	DUP-2	11/29/17
17K0877-06	TW-3	11/29/17
BK71304-BLK1	Blank	11/29/17
BK71304-BS1	LCS	11/29/17
BK71304-BSD1	LCS Dup	11/29/17



Batch ID: BK71375

Preparation Method: EPA 3015A

Prepared By: SY

YORK Sample ID	Client Sample ID	Preparation Date
17K0877-01	TW-2	11/30/17
17K0877-02	TW-1	11/30/17
17K0877-03	FB-2	11/30/17
17K0877-05	DUP-2	11/30/17
BK71375-BLK1	Blank	11/30/17
BK71375-BS1	LCS	11/30/17
BK71375-DUP1	Duplicate	11/30/17
BK71375-MS1	Matrix Spike	11/30/17

Batch ID: BK71380

Preparation Method: EPA 7473 water

Prepared By: SY

YORK Sample ID	Client Sample ID	Preparation Date
17K0877-01	TW-2	11/30/17
17K0877-02	TW-1	11/30/17
17K0877-03	FB-2	11/30/17
17K0877-05	DUP-2	11/30/17
BK71380-BLK1	Blank	11/30/17
BK71380-DUP1	Duplicate	11/30/17
BK71380-MS1	Matrix Spike	11/30/17
BK71380-SRM1	Reference	11/30/17



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK71304 - EPA 5030B											
Blank (BK71304-BLK1)										Prepared & Analyzed: 11/29/2017	
1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,1-Trichloroethane	ND	0.500	"								
1,1,2,2-Tetrachloroethane	ND	0.500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"								
1,1,2-Trichloroethane	ND	0.500	"								
1,1-Dichloroethane	ND	0.500	"								
1,1-Dichloroethylene	ND	0.500	"								
1,2,3-Trichlorobenzene	ND	0.500	"								
1,2,3-Trichloropropane	ND	0.500	"								
1,2,4-Trichlorobenzene	ND	0.500	"								
1,2,4-Trimethylbenzene	ND	0.500	"								
1,2-Dibromo-3-chloropropane	ND	0.500	"								
1,2-Dibromoethane	ND	0.500	"								
1,2-Dichlorobenzene	ND	0.500	"								
1,2-Dichloroethane	ND	0.500	"								
1,2-Dichloropropane	ND	0.500	"								
1,3,5-Trimethylbenzene	ND	0.500	"								
1,3-Dichlorobenzene	ND	0.500	"								
1,3-Dichloropropane	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
1,4-Dioxane	ND	80.0	"								
2-Butanone	ND	0.500	"								
2-Hexanone	ND	0.500	"								
4-Methyl-2-pentanone	ND	0.500	"								
Acetone	ND	2.00	"								
Acrolein	ND	0.500	"								
Acrylonitrile	ND	0.500	"								
Benzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								
Bromodichloromethane	ND	0.500	"								
Bromoform	ND	0.500	"								
Bromomethane	ND	0.500	"								
Carbon disulfide	ND	0.500	"								
Carbon tetrachloride	ND	0.500	"								
Chlorobenzene	ND	0.500	"								
Chloroethane	ND	0.500	"								
Chloroform	ND	0.500	"								
Chloromethane	ND	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
cis-1,3-Dichloropropylene	ND	0.500	"								
Cyclohexane	ND	0.500	"								
Dibromochloromethane	ND	0.500	"								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								
Hexachlorobutadiene	ND	0.500	"								
Isopropylbenzene	ND	0.500	"								
Methyl acetate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylcyclohexane	ND	0.500	"								
Methylene chloride	ND	2.00	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BK71304 - EPA 5030B

Blank (BK71304-BLK1)

Prepared & Analyzed: 11/29/2017

n-Butylbenzene	ND	0.500	ug/L
n-Propylbenzene	ND	0.500	"
o-Xylene	ND	0.500	"
p- & m- Xylenes	ND	1.00	"
p-Diethylbenzene	ND	0.500	"
p-Ethyltoluene	ND	0.500	"
p-Isopropyltoluene	ND	0.500	"
sec-Butylbenzene	ND	0.500	"
Styrene	ND	0.500	"
tert-Butyl alcohol (TBA)	ND	1.00	"
tert-Butylbenzene	ND	0.500	"
Tetrachloroethylene	ND	0.500	"
Toluene	ND	0.500	"
trans-1,2-Dichloroethylene	ND	0.500	"
trans-1,3-Dichloropropylene	ND	0.500	"
Trichloroethylene	ND	0.500	"
Trichlorofluoromethane	ND	0.500	"
Vinyl Chloride	ND	0.500	"
Xylenes, Total	ND	1.50	"

Surrogate: 1,2-Dichloroethane-d4	9.63	"	10.0	96.3	69-130
Surrogate: Toluene-d8	10.2	"	10.0	102	81-117
Surrogate: p-Bromofluorobenzene	11.5	"	10.0	115	79-122

LCS (BK71304-BS1)

Prepared & Analyzed: 11/29/2017

1,1,1,2-Tetrachloroethane	10.1	ug/L	10.0	101	82-126	
1,1,1-Trichloroethane	10.7	"	10.0	107	78-136	
1,1,2,2-Tetrachloroethane	10.2	"	10.0	102	76-129	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.9	"	10.0	109	54-165	
1,1,2-Trichloroethane	9.72	"	10.0	97.2	82-123	
1,1-Dichloroethane	10.9	"	10.0	109	82-129	
1,1-Dichloroethylene	11.2	"	10.0	112	68-138	
1,2,3-Trichlorobenzene	3.18	"	10.0	31.8	76-136	Low Bias
1,2,3-Trichloropropane	10.1	"	10.0	101	77-128	
1,2,4-Trichlorobenzene	6.58	"	10.0	65.8	76-137	Low Bias
1,2,4-Trimethylbenzene	11.2	"	10.0	112	82-132	
1,2-Dibromo-3-chloropropane	8.62	"	10.0	86.2	45-147	
1,2-Dibromoethane	9.45	"	10.0	94.5	83-124	
1,2-Dichlorobenzene	9.62	"	10.0	96.2	79-123	
1,2-Dichloroethane	10.7	"	10.0	107	73-132	
1,2-Dichloropropane	10.3	"	10.0	103	78-126	
1,3,5-Trimethylbenzene	11.1	"	10.0	111	80-131	
1,3-Dichlorobenzene	10.5	"	10.0	105	86-122	
1,3-Dichloropropane	9.84	"	10.0	98.4	81-125	
1,4-Dichlorobenzene	10.5	"	10.0	105	85-124	
1,4-Dioxane	114	"	200	56.9	10-349	
2-Butanone	10.4	"	10.0	104	49-152	
2-Hexanone	10.1	"	10.0	101	51-146	
4-Methyl-2-pentanone	10.4	"	10.0	104	57-145	
Acetone	9.91	"	10.0	99.1	14-150	
Acrolein	10.2	"	10.0	102	10-153	
Acrylonitrile	10.7	"	10.0	107	51-150	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BK71304 - EPA 5030B

LCS (BK71304-BS1)										Prepared & Analyzed: 11/29/2017	
Benzene	10.5		ug/L	10.0		105	85-126				
Bromochloromethane	11.6		"	10.0		116	77-128				
Bromodichloromethane	10.1		"	10.0		101	79-128				
Bromoform	8.15		"	10.0		81.5	78-133				
Bromomethane	10.2		"	10.0		102	43-168				
Carbon disulfide	10.5		"	10.0		105	68-146				
Carbon tetrachloride	10.8		"	10.0		108	77-141				
Chlorobenzene	10.2		"	10.0		102	88-120				
Chloroethane	10.6		"	10.0		106	65-136				
Chloroform	10.2		"	10.0		102	82-128				
Chloromethane	12.2		"	10.0		122	43-155				
cis-1,2-Dichloroethylene	11.2		"	10.0		112	83-129				
cis-1,3-Dichloropropylene	10.0		"	10.0		100	80-131				
Cyclohexane	11.8		"	10.0		118	63-149				
Dibromochloromethane	9.30		"	10.0		93.0	80-130				
Dibromomethane	9.82		"	10.0		98.2	72-134				
Dichlorodifluoromethane	10.8		"	10.0		108	44-144				
Hexachlorobutadiene	9.22		"	10.0		92.2	67-146				
Isopropylbenzene	11.3		"	10.0		113	76-140				
Methyl acetate	11.2		"	10.0		112	51-139				
Methyl tert-butyl ether (MTBE)	9.55		"	10.0		95.5	76-135				
Methylcyclohexane	11.0		"	10.0		110	72-143				
Methylene chloride	11.4		"	10.0		114	55-137				
n-Butylbenzene	11.6		"	10.0		116	79-132				
n-Propylbenzene	11.4		"	10.0		114	78-133				
o-Xylene	10.6		"	10.0		106	78-130				
p- & m- Xylenes	22.1		"	20.0		110	77-133				
p-Diethylbenzene	11.2		"	10.0		112	84-134				
p-Ethyltoluene	11.1		"	10.0		111	88-129				
p-Isopropyltoluene	11.2		"	10.0		112	81-136				
sec-Butylbenzene	11.3		"	10.0		113	79-137				
Styrene	10.5		"	10.0		105	67-132				
tert-Butyl alcohol (TBA)	7.32		"	10.0		73.2	25-162				
tert-Butylbenzene	11.0		"	10.0		110	77-138				
Tetrachloroethylene	9.19		"	10.0		91.9	82-131				
Toluene	10.5		"	10.0		105	80-127				
trans-1,2-Dichloroethylene	11.0		"	10.0		110	80-132				
trans-1,3-Dichloropropylene	9.51		"	10.0		95.1	78-131				
Trichloroethylene	10.1		"	10.0		101	82-128				
Trichlorofluoromethane	10.8		"	10.0		108	67-139				
Vinyl Chloride	11.6		"	10.0		116	58-145				
Surrogate: 1,2-Dichloroethane-d4	10.3		"	10.0		103	69-130				
Surrogate: Toluene-d8	10.0		"	10.0		100	81-117				
Surrogate: p-Bromofluorobenzene	10.5		"	10.0		105	79-122				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK71304 - EPA 5030B											
LCS Dup (BK71304-BSD1)						Prepared & Analyzed: 11/29/2017					
1,1,1,2-Tetrachloroethane	10.3		ug/L	10.0		103	82-126		2.36	30	
1,1,1-Trichloroethane	10.8		"	10.0		108	78-136		1.12	30	
1,1,2,2-Tetrachloroethane	10.8		"	10.0		108	76-129		5.64	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.2		"	10.0		112	54-165		2.35	30	
1,1,2-Trichloroethane	9.93		"	10.0		99.3	82-123		2.14	30	
1,1-Dichloroethane	11.1		"	10.0		111	82-129		2.19	30	
1,1-Dichloroethylene	11.4		"	10.0		114	68-138		1.77	30	
1,2,3-Trichlorobenzene	6.63		"	10.0		66.3	76-136	Low Bias	70.3	30	Non-dir.
1,2,3-Trichloropropane	10.8		"	10.0		108	77-128		6.59	30	
1,2,4-Trichlorobenzene	7.24		"	10.0		72.4	76-137	Low Bias	9.55	30	
1,2,4-Trimethylbenzene	11.5		"	10.0		115	82-132		3.18	30	
1,2-Dibromo-3-chloropropane	9.05		"	10.0		90.5	45-147		4.87	30	
1,2-Dibromoethane	9.78		"	10.0		97.8	83-124		3.43	30	
1,2-Dichlorobenzene	10.0		"	10.0		100	79-123		3.97	30	
1,2-Dichloroethane	10.6		"	10.0		106	73-132		0.842	30	
1,2-Dichloropropane	10.8		"	10.0		108	78-126		4.46	30	
1,3,5-Trimethylbenzene	11.4		"	10.0		114	80-131		3.11	30	
1,3-Dichlorobenzene	10.8		"	10.0		108	86-122		3.38	30	
1,3-Dichloropropane	10.2		"	10.0		102	81-125		3.40	30	
1,4-Dichlorobenzene	10.5		"	10.0		105	85-124		0.190	30	
1,4-Dioxane	216		"	200		108	10-349		62.0	30	Non-dir.
2-Butanone	7.06		"	10.0		70.6	49-152		38.4	30	Non-dir.
2-Hexanone	10.7		"	10.0		107	51-146		6.44	30	
4-Methyl-2-pentanone	11.3		"	10.0		113	57-145		7.82	30	
Acetone	9.78		"	10.0		97.8	14-150		1.32	30	
Acrolein	9.93		"	10.0		99.3	10-153		2.39	30	
Acrylonitrile	10.6		"	10.0		106	51-150		0.281	30	
Benzene	10.7		"	10.0		107	85-126		2.17	30	
Bromochloromethane	11.8		"	10.0		118	77-128		1.11	30	
Bromodichloromethane	10.4		"	10.0		104	79-128		3.61	30	
Bromoform	8.50		"	10.0		85.0	78-133		4.20	30	
Bromomethane	10.1		"	10.0		101	43-168		0.394	30	
Carbon disulfide	10.6		"	10.0		106	68-146		1.32	30	
Carbon tetrachloride	10.8		"	10.0		108	77-141		0.371	30	
Chlorobenzene	10.6		"	10.0		106	88-120		3.18	30	
Chloroethane	10.6		"	10.0		106	65-136		0.376	30	
Chloroform	10.4		"	10.0		104	82-128		2.24	30	
Chloromethane	12.4		"	10.0		124	43-155		1.79	30	
cis-1,2-Dichloroethylene	11.4		"	10.0		114	83-129		1.69	30	
cis-1,3-Dichloropropylene	10.6		"	10.0		106	80-131		5.44	30	
Cyclohexane	12.2		"	10.0		122	63-149		3.42	30	
Dibromochloromethane	9.57		"	10.0		95.7	80-130		2.86	30	
Dibromomethane	10.1		"	10.0		101	72-134		2.81	30	
Dichlorodifluoromethane	10.8		"	10.0		108	44-144		0.277	30	
Hexachlorobutadiene	10.4		"	10.0		104	67-146		12.0	30	
Isopropylbenzene	11.7		"	10.0		117	76-140		3.13	30	
Methyl acetate	11.4		"	10.0		114	51-139		1.86	30	
Methyl tert-butyl ether (MTBE)	10.0		"	10.0		100	76-135		4.60	30	
Methylcyclohexane	11.5		"	10.0		115	72-143		4.36	30	
Methylene chloride	11.6		"	10.0		116	55-137		1.82	30	
n-Butylbenzene	12.1		"	10.0		121	79-132		4.04	30	



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

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

Batch BK71304 - EPA 5030B

LCS Dup (BK71304-BSD1)

Prepared & Analyzed: 11/29/2017

n-Propylbenzene	11.8		ug/L	10.0		118	78-133		3.70	30	
o-Xylene	10.9		"	10.0		109	78-130		2.23	30	
p- & m- Xylenes	22.7		"	20.0		113	77-133		2.50	30	
p-Diethylbenzene	11.7		"	10.0		117	84-134		4.10	30	
p-Ethyltoluene	11.4		"	10.0		114	88-129		3.11	30	
p-Isopropyltoluene	11.6		"	10.0		116	81-136		3.41	30	
sec-Butylbenzene	11.7		"	10.0		117	79-137		3.22	30	
Styrene	10.8		"	10.0		108	67-132		2.72	30	
tert-Butyl alcohol (TBA)	7.32		"	10.0		73.2	25-162		0.00	30	
tert-Butylbenzene	11.4		"	10.0		114	77-138		3.40	30	
Tetrachloroethylene	9.44		"	10.0		94.4	82-131		2.68	30	
Toluene	10.9		"	10.0		109	80-127		3.18	30	
trans-1,2-Dichloroethylene	11.1		"	10.0		111	80-132		1.09	30	
trans-1,3-Dichloropropylene	10.0		"	10.0		100	78-131		5.02	30	
Trichloroethylene	10.5		"	10.0		105	82-128		3.88	30	
Trichlorofluoromethane	10.7		"	10.0		107	67-139		0.744	30	
Vinyl Chloride	11.4		"	10.0		114	58-145		0.870	30	
Surrogate: 1,2-Dichloroethane-d4	9.89		"	10.0		98.9	69-130				
Surrogate: Toluene-d8	10.1		"	10.0		101	81-117				
Surrogate: p-Bromofluorobenzene	10.7		"	10.0		107	79-122				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BK71150 - EPA 3510C

Blank (BK71150-BLK1)

Prepared & Analyzed: 11/27/2017

1,1-Biphenyl	ND	5.00	ug/L
1,2,4,5-Tetrachlorobenzene	ND	5.00	"
1,2,4-Trichlorobenzene	ND	5.00	"
1,2-Dichlorobenzene	ND	5.00	"
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"
1,3-Dichlorobenzene	ND	5.00	"
1,4-Dichlorobenzene	ND	5.00	"
2,3,4,6-Tetrachlorophenol	ND	5.00	"
2,4,5-Trichlorophenol	ND	5.00	"
2,4,6-Trichlorophenol	ND	5.00	"
2,4-Dichlorophenol	ND	5.00	"
2,4-Dimethylphenol	ND	5.00	"
2,4-Dinitrophenol	ND	5.00	"
2,4-Dinitrotoluene	ND	5.00	"
2,6-Dinitrotoluene	ND	5.00	"
2-Chloronaphthalene	ND	5.00	"
2-Chlorophenol	ND	5.00	"
2-Methylnaphthalene	ND	5.00	"
2-Methylphenol	ND	5.00	"
2-Nitroaniline	ND	5.00	"
2-Nitrophenol	ND	5.00	"
3- & 4-Methylphenols	ND	5.00	"
3,3-Dichlorobenzidine	ND	5.00	"
3-Nitroaniline	ND	5.00	"
4,6-Dinitro-2-methylphenol	ND	5.00	"
4-Bromophenyl phenyl ether	ND	5.00	"
4-Chloro-3-methylphenol	ND	5.00	"
4-Chloroaniline	ND	5.00	"
4-Chlorophenyl phenyl ether	ND	5.00	"
4-Nitroaniline	ND	5.00	"
4-Nitrophenol	ND	5.00	"
Acetophenone	ND	5.00	"
Alpha Terpineol	ND	10.0	"
Aniline	ND	5.00	"
Benzaldehyde	ND	5.00	"
Benzidine	ND	5.00	"
Benzoic acid	ND	50.0	"
Benzyl alcohol	ND	5.00	"
Benzyl butyl phthalate	ND	5.00	"
Bis(2-chloroethoxy)methane	ND	5.00	"
Bis(2-chloroethyl)ether	ND	5.00	"
Bis(2-chloroisopropyl)ether	ND	5.00	"
Caprolactam	ND	5.00	"
Carbazole	ND	5.00	"
Dibenzofuran	ND	5.00	"
Diethyl phthalate	ND	5.00	"
Dimethyl phthalate	ND	5.00	"
Di-n-butyl phthalate	ND	5.00	"
Di-n-octyl phthalate	ND	5.00	"
Hexachlorocyclopentadiene	ND	10.0	"
Isophorone	ND	5.00	"



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BK71150 - EPA 3510C

Blank (BK71150-BLK1)

Prepared & Analyzed: 11/27/2017

N-nitroso-di-n-propylamine	ND	5.00	ug/L								
N-Nitrosodiphenylamine	ND	5.00	"								
Phenol	ND	5.00	"								
Surrogate: 2-Fluorophenol	34.2		"	75.5		45.4	15-110				
Surrogate: Phenol-d5	21.5		"	76.5		28.1	15-110				
Surrogate: Nitrobenzene-d5	46.4		"	50.6		91.8	30-130				
Surrogate: 2-Fluorobiphenyl	45.4		"	54.8		82.8	30-130				
Surrogate: 2,4,6-Tribromophenol	72.2		"	76.0		95.0	15-110				
Surrogate: Terphenyl-d14	38.8		"	53.0		73.3	30-130				

Blank (BK71150-BLK2)

Prepared & Analyzed: 11/27/2017

Acenaphthene	ND	0.0500	ug/L								
Acenaphthylene	ND	0.0500	"								
Anthracene	ND	0.0500	"								
Atrazine	ND	0.500	"								
Benzo(a)anthracene	ND	0.0500	"								
Benzo(a)pyrene	ND	0.0500	"								
Benzo(b)fluoranthene	ND	0.0500	"								
Benzo(g,h,i)perylene	ND	0.0500	"								
Benzo(k)fluoranthene	ND	0.0500	"								
Bis(2-ethylhexyl)phthalate	ND	0.500	"								
Chrysene	ND	0.0500	"								
Dibenzo(a,h)anthracene	ND	0.0500	"								
Fluoranthene	ND	0.0500	"								
Fluorene	ND	0.0500	"								
Hexachlorobenzene	ND	0.0200	"								
Hexachlorobutadiene	ND	0.500	"								
Hexachloroethane	ND	0.500	"								
Indeno(1,2,3-cd)pyrene	ND	0.0500	"								
Naphthalene	ND	0.0500	"								
Nitrobenzene	ND	0.250	"								
N-Nitrosodimethylamine	ND	0.500	"								
Pentachlorophenol	ND	0.250	"								
Phenanthrene	ND	0.0500	"								
Pyrene	ND	0.0500	"								



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK71150 - EPA 3510C											
LCS (BK71150-BS1)						Prepared & Analyzed: 11/27/2017					
1,1-Biphenyl	20.0	5.00	ug/L	25.0		80.2	70-130			20	
1,2,4,5-Tetrachlorobenzene	22.3	5.00	"	25.0		89.3	70-130			20	
1,2,4-Trichlorobenzene	18.7	5.00	"	25.0		74.6	20-118			20	
1,2-Dichlorobenzene	18.7	5.00	"	25.0		74.7	29-111			20	
1,2-Diphenylhydrazine (as Azobenzene)	5.40	5.00	"	25.0		21.6	16-141			20	
1,3-Dichlorobenzene	17.4	5.00	"	25.0		69.8	23-117			20	
1,4-Dichlorobenzene	18.0	5.00	"	25.0		72.0	30-105			20	
2,3,4,6-Tetrachlorophenol	46.5	5.00	"	25.0		186	70-130	High Bias		20	
2,4,5-Trichlorophenol	19.5	5.00	"	25.0		77.8	70-130			20	
2,4,6-Trichlorophenol	20.9	5.00	"	25.0		83.7	70-130			20	
2,4-Dichlorophenol	5.69	5.00	"	25.0		22.8	70-130	Low Bias		20	
2,4-Dimethylphenol	22.2	5.00	"	25.0		88.7	70-130			20	
2,4-Dinitrophenol	13.9	5.00	"	25.0		55.8	20-160			20	
2,4-Dinitrotoluene	23.5	5.00	"	25.0		94.0	70-130			20	
2,6-Dinitrotoluene	24.1	5.00	"	25.0		96.5	70-130			20	
2-Chloronaphthalene	19.6	5.00	"	25.0		78.2	70-130			20	
2-Chlorophenol	19.4	5.00	"	25.0		77.8	70-130			20	
2-Methylnaphthalene	21.6	5.00	"	25.0		86.6	70-130			20	
2-Methylphenol	15.1	5.00	"	25.0		60.4	70-130	Low Bias		20	
2-Nitroaniline	23.2	5.00	"	25.0		92.7	70-130			20	
2-Nitrophenol	21.6	5.00	"	25.0		86.4	70-130			20	
3- & 4-Methylphenols	12.0	5.00	"	25.0		48.0	20-160			20	
3,3-Dichlorobenzidine	21.0	5.00	"	25.0		84.0	70-160			20	
3-Nitroaniline	20.7	5.00	"	25.0		82.8	70-160			20	
4,6-Dinitro-2-methylphenol	18.8	5.00	"	25.0		75.0	70-160			20	
4-Bromophenyl phenyl ether	22.1	5.00	"	25.0		88.5	70-160			20	
4-Chloro-3-methylphenol	21.5	5.00	"	25.0		85.9	70-160			20	
4-Chloroaniline	19.8	5.00	"	25.0		79.1	70-160			20	
4-Chlorophenyl phenyl ether	20.9	5.00	"	25.0		83.7	70-160			20	
4-Nitroaniline	22.0	5.00	"	25.0		87.9	70-160			20	
4-Nitrophenol	15.3	5.00	"	25.0		61.2	20-160			20	
Acetophenone	19.8	5.00	"	25.0		79.4	70-130			20	
Aniline	12.8	5.00	"	25.0		51.0	10-117			20	
Benzaldehyde	19.8	5.00	"	25.0		79.3	20-160			20	
Benzoic acid	ND	50.0	"	25.0			30-130	Low Bias		20	
Benzyl alcohol	14.8	5.00	"	25.0		59.2	10-117			20	
Benzyl butyl phthalate	23.2	5.00	"	25.0		92.9	70-130			20	
Bis(2-chloroethoxy)methane	23.0	5.00	"	25.0		92.1	70-130			20	
Bis(2-chloroethyl)ether	23.7	5.00	"	25.0		94.7	70-130			20	
Bis(2-chloroisopropyl)ether	22.2	5.00	"	25.0		88.8	70-130			20	
Caprolactam	5.74	5.00	"	25.0		23.0	20-160			20	
Carbazole	22.5	5.00	"	25.0		90.0	70-130			20	
Dibenzofuran	21.2	5.00	"	25.0		85.0	70-130			20	
Diethyl phthalate	21.4	5.00	"	25.0		85.7	70-130			20	
Dimethyl phthalate	20.8	5.00	"	25.0		83.0	70-130			20	
Di-n-butyl phthalate	22.4	5.00	"	25.0		89.8	70-130			20	
Di-n-octyl phthalate	23.8	5.00	"	25.0		95.4	70-130			20	
Hexachlorocyclopentadiene	ND	10.0	"	25.0			20-160	Low Bias		20	
Isophorone	21.4	5.00	"	25.0		85.8	70-130			20	
N-nitroso-di-n-propylamine	19.9	5.00	"	25.0		79.4	70-130			20	
N-Nitrosodiphenylamine	25.7	5.00	"	25.0		103	70-130			20	



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BK71150 - EPA 3510C

LCS (BK71150-BS1)

Prepared & Analyzed: 11/27/2017

Phenol	9.35	5.00	ug/L	25.0		37.4	20-160			20	
Surrogate: 2-Fluorophenol	34.4		"	75.5		45.5	15-110				
Surrogate: Phenol-d5	22.4		"	76.5		29.3	15-110				
Surrogate: Nitrobenzene-d5	46.1		"	50.6		91.0	30-130				
Surrogate: 2-Fluorobiphenyl	45.0		"	54.8		82.2	30-130				
Surrogate: 2,4,6-Tribromophenol	74.0		"	76.0		97.4	15-110				
Surrogate: Terphenyl-d14	36.4		"	53.0		68.7	30-130				

LCS (BK71150-BS2)

Prepared & Analyzed: 11/27/2017

Acenaphthene	0.790	0.0500	ug/L	1.00		79.0	25-116				
Acenaphthylene	0.820	0.0500	"	1.00		82.0	26-116				
Anthracene	0.830	0.0500	"	1.00		83.0	25-123				
Atrazine	ND	0.500	"				37-109				
Benzo(a)anthracene	1.02	0.0500	"	1.00		102	33-125				
Benzo(a)pyrene	1.02	0.0500	"	1.00		102	32-132				
Benzo(b)fluoranthene	1.06	0.0500	"	1.00		106	22-137				
Benzo(g,h,i)perylene	1.09	0.0500	"	1.00		109	10-138				
Benzo(k)fluoranthene	0.940	0.0500	"	1.00		94.0	20-137				
Bis(2-ethylhexyl)phthalate	ND	0.500	"				10-189				
Chrysene	0.890	0.0500	"	1.00		89.0	32-124				
Dibenzo(a,h)anthracene	1.11	0.0500	"	1.00		111	16-133				
Fluoranthene	1.01	0.0500	"	1.00		101	32-121				
Fluorene	0.850	0.0500	"	1.00		85.0	28-118				
Hexachlorobenzene	ND	0.0200	"				23-124				
Hexachlorobutadiene	ND	0.500	"				15-123				
Hexachloroethane	ND	0.500	"				18-115				
Indeno(1,2,3-cd)pyrene	1.07	0.0500	"	1.00		107	15-135				
Naphthalene	0.730	0.0500	"	1.00		73.0	18-120				
Nitrobenzene	ND	0.250	"				21-121				
N-Nitrosodimethylamine	ND	0.500	"				10-124				
Pentachlorophenol	ND	0.250	"				10-156				
Phenanthrene	0.860	0.0500	"	1.00		86.0	24-127				
Pyrene	1.00	0.0500	"	1.00		100	31-132				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK71150 - EPA 3510C											
LCS Dup (BK71150-BSD1)						Prepared & Analyzed: 11/27/2017					
1,1-Biphenyl	17.7	5.00	ug/L	25.0		70.6	70-130		12.7	20	
1,2,4,5-Tetrachlorobenzene	20.4	5.00	"	25.0		81.7	70-130		8.89	20	
1,2,4-Trichlorobenzene	17.5	5.00	"	25.0		69.9	20-118		6.59	20	
1,2-Dichlorobenzene	17.2	5.00	"	25.0		68.7	29-111		8.31	20	
1,2-Diphenylhydrazine (as Azobenzene)	4.61	5.00	"	25.0		18.4	16-141		15.8	20	
1,3-Dichlorobenzene	16.5	5.00	"	25.0		65.9	23-117		5.78	20	
1,4-Dichlorobenzene	16.6	5.00	"	25.0		66.5	30-105		7.92	20	
2,3,4,6-Tetrachlorophenol	41.8	5.00	"	25.0		167	70-130	High Bias	10.7	20	
2,4,5-Trichlorophenol	16.9	5.00	"	25.0		67.7	70-130	Low Bias	13.9	20	
2,4,6-Trichlorophenol	19.0	5.00	"	25.0		76.0	70-130		9.57	20	
2,4-Dichlorophenol	6.01	5.00	"	25.0		24.0	70-130	Low Bias	5.47	20	
2,4-Dimethylphenol	20.2	5.00	"	25.0		80.7	70-130		9.40	20	
2,4-Dinitrophenol	12.5	5.00	"	25.0		50.2	20-160		10.6	20	
2,4-Dinitrotoluene	21.3	5.00	"	25.0		85.2	70-130		9.77	20	
2,6-Dinitrotoluene	22.8	5.00	"	25.0		91.2	70-130		5.71	20	
2-Chloronaphthalene	17.9	5.00	"	25.0		71.5	70-130		9.03	20	
2-Chlorophenol	18.2	5.00	"	25.0		72.8	70-130		6.59	20	
2-Methylnaphthalene	19.8	5.00	"	25.0		79.3	70-130		8.73	20	
2-Methylphenol	14.0	5.00	"	25.0		55.9	70-130	Low Bias	7.84	20	
2-Nitroaniline	21.5	5.00	"	25.0		86.1	70-130		7.38	20	
2-Nitrophenol	20.9	5.00	"	25.0		83.7	70-130		3.15	20	
3- & 4-Methylphenols	11.2	5.00	"	25.0		44.8	20-160		6.98	20	
3,3-Dichlorobenzidine	16.3	5.00	"	25.0		65.2	70-160	Low Bias	25.2	20	Non-dir.
3-Nitroaniline	19.4	5.00	"	25.0		77.5	70-160		6.64	20	
4,6-Dinitro-2-methylphenol	17.6	5.00	"	25.0		70.4	70-160		6.44	20	
4-Bromophenyl phenyl ether	20.2	5.00	"	25.0		80.9	70-160		8.97	20	
4-Chloro-3-methylphenol	20.0	5.00	"	25.0		80.1	70-160		6.99	20	
4-Chloroaniline	18.3	5.00	"	25.0		73.0	70-160		7.94	20	
4-Chlorophenyl phenyl ether	19.1	5.00	"	25.0		76.5	70-160		8.99	20	
4-Nitroaniline	19.8	5.00	"	25.0		79.3	70-160		10.3	20	
4-Nitrophenol	9.95	5.00	"	25.0		39.8	20-160		42.4	20	Non-dir.
Acetophenone	18.0	5.00	"	25.0		72.2	70-130		9.50	20	
Aniline	12.0	5.00	"	25.0		47.8	10-117		6.56	20	
Benzaldehyde	18.1	5.00	"	25.0		72.5	20-160		8.91	20	
Benzoic acid	ND	50.0	"	25.0			30-130	Low Bias		20	
Benzyl alcohol	13.9	5.00	"	25.0		55.6	10-117		6.28	20	
Benzyl butyl phthalate	21.2	5.00	"	25.0		84.8	70-130		9.09	20	
Bis(2-chloroethoxy)methane	21.3	5.00	"	25.0		85.2	70-130		7.85	20	
Bis(2-chloroethyl)ether	21.7	5.00	"	25.0		86.9	70-130		8.59	20	
Bis(2-chloroisopropyl)ether	20.6	5.00	"	25.0		82.5	70-130		7.42	20	
Caprolactam	5.54	5.00	"	25.0		22.2	20-160		3.55	20	
Carbazole	20.5	5.00	"	25.0		81.9	70-130		9.40	20	
Dibenzofuran	19.0	5.00	"	25.0		76.1	70-130		11.0	20	
Diethyl phthalate	19.7	5.00	"	25.0		78.9	70-130		8.26	20	
Dimethyl phthalate	18.9	5.00	"	25.0		75.5	70-130		9.49	20	
Di-n-butyl phthalate	20.3	5.00	"	25.0		81.1	70-130		10.1	20	
Di-n-octyl phthalate	21.7	5.00	"	25.0		86.8	70-130		9.49	20	
Hexachlorocyclopentadiene	ND	10.0	"	25.0			20-160	Low Bias		20	
Isophorone	20.6	5.00	"	25.0		82.6	70-130		3.80	20	
N-nitroso-di-n-propylamine	18.4	5.00	"	25.0		73.6	70-130		7.63	20	
N-Nitrosodiphenylamine	23.0	5.00	"	25.0		91.8	70-130		11.5	20	



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BK71150 - EPA 3510C

LCS Dup (BK71150-BSD1)

Prepared & Analyzed: 11/27/2017

Phenol	9.14	5.00	ug/L	25.0		36.6	20-160		2.27	20	
Surrogate: 2-Fluorophenol	31.8		"	75.5		42.2	15-110				
Surrogate: Phenol-d5	20.9		"	76.5		27.3	15-110				
Surrogate: Nitrobenzene-d5	42.4		"	50.6		83.8	30-130				
Surrogate: 2-Fluorobiphenyl	39.4		"	54.8		72.0	30-130				
Surrogate: 2,4,6-Tribromophenol	66.9		"	76.0		88.1	15-110				
Surrogate: Terphenyl-d14	33.0		"	53.0		62.2	30-130				



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

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

Batch BK71249 - EPA 3015A

Blank (BK71249-BLK1)

Prepared & Analyzed: 11/28/2017

Aluminum	ND	0.0556	mg/L
Barium	ND	0.0111	"
Calcium	ND	0.0556	"
Chromium	ND	0.00556	"
Copper	0.0142	0.00333	"
Iron	ND	0.0222	"
Lead	ND	0.00556	"
Magnesium	ND	0.0556	"
Manganese	ND	0.00556	"
Nickel	ND	0.00556	"
Potassium	0.101	0.0556	"
Silver	ND	0.00556	"
Sodium	1.28	0.111	"
Vanadium	ND	0.0111	"
Zinc	ND	0.0167	"

Reference (BK71249-SRM1)

Prepared & Analyzed: 11/28/2017

Aluminum	0.749	ug/mL	0.720	104	81.4-117.2
Barium	0.502	"	0.500	100	85-115
Calcium	28.8	"	33.0	87.2	86.5-114.3
Chromium	0.914	"	0.860	106	85-115
Copper	0.350	"	0.320	109	85-115
Iron	1.39	"	1.40	99.6	84.9-115
Lead	0.651	"	0.640	102	85-115
Magnesium	70.0	"	80.1	87.4	86.3-114.8
Manganese	1.12	"	1.02	109	84.9-115
Nickel	1.81	"	1.78	102	87-113.7
Potassium	8.67	"	10.3	84.1	84.9-115
Silver	0.525	"	0.600	87.5	85-115
Sodium	21.6	"	22.7	95.0	85-115
Vanadium	1.64	"	1.66	99.0	85-114.9
Zinc	1.56	"	1.62	96.6	84.9-115

Low Bias



Metals by ICP/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BK71375 - EPA 3015A

Blank (BK71375-BLK1)

Prepared & Analyzed: 11/30/2017

Antimony	ND	1.11	ug/L
Arsenic	ND	1.11	"
Beryllium	ND	0.333	"
Cadmium	ND	0.556	"
Molybdenum	ND	1.11	"
Selenium	ND	1.11	"
Thallium	ND	1.11	"

LCS (BK71375-BS1)

Prepared & Analyzed: 11/30/2017

Antimony	35.0		ug/L	50.0	70.1	80-120	Low Bias
Arsenic	35.0		"	50.0	69.9	80-120	Low Bias
Beryllium	47.9		"	50.0	95.9	80-120	
Cadmium	35.6		"	50.0	71.2	80-120	Low Bias
Molybdenum	47.4		"	50.0	94.8	80-120	
Selenium	31.5		"	50.0	63.0	80-120	Low Bias
Thallium	47.8		"	50.0	95.5	80-120	

Duplicate (BK71375-DUP1)

*Source sample: 17K0877-01 (TW-2)

Prepared & Analyzed: 11/30/2017

Antimony	ND	1.11	ug/L	ND			20
Arsenic	10.7	1.11	"	10.7		0.494	20
Beryllium	5.00	0.333	"	4.81		3.95	20
Cadmium	ND	0.556	"	ND			20
Molybdenum	1.25	1.11	"	1.13		9.70	20
Selenium	31.0	1.11	"	28.7		7.67	20
Thallium	ND	1.11	"	ND			20

Matrix Spike (BK71375-MS1)

*Source sample: 17K0877-01 (TW-2)

Prepared & Analyzed: 11/30/2017

Antimony	31.6		ug/L	50.0	0.423	62.4	75-125	Low Bias
Arsenic	42.8		"	50.0	9.64	66.3	75-125	Low Bias
Beryllium	29.5		"	50.0	4.33	50.3	75-125	Low Bias
Cadmium	30.6		"	50.0	0.426	60.4	75-125	Low Bias
Molybdenum	48.9		"	50.0	1.02	95.8	75-125	
Selenium	62.2		"	50.0	25.9	72.7	75-125	Low Bias
Thallium	32.7		"	50.0	0.046	65.4	75-125	Low Bias



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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK71380 - EPA 7473 water											
Blank (BK71380-BLK1)								Prepared & Analyzed: 11/30/2017			
Mercury	ND	0.20	ug/L								
Duplicate (BK71380-DUP1)								Prepared & Analyzed: 11/30/2017			
Mercury	ND	0.20	ug/L		ND					20	
Matrix Spike (BK71380-MS1)								Prepared & Analyzed: 11/30/2017			
Mercury	0.00170		mg/L	0.00200	0.00010	80.0	75-125				
Reference (BK71380-SRM1)								Prepared & Analyzed: 11/30/2017			
Mercury	0.00600		mg/L	0.00740		81.1	70-130				



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BK71109 - Analysis Preparation											
Blank (BK71109-BLK1)								Prepared & Analyzed: 11/22/2017			
Chromium, Hexavalent	ND	0.0100	mg/L								
LCS (BK71109-BS1)								Prepared & Analyzed: 11/22/2017			
Chromium, Hexavalent	0.485	0.0100	mg/L	0.500		97.0	80-120				
Duplicate (BK71109-DUP1)		*Source sample: 17K0877-05 (DUP-2)						Prepared & Analyzed: 11/22/2017			
Chromium, Hexavalent	ND	0.0100	mg/L		ND					20	
Matrix Spike (BK71109-MS1)		*Source sample: 17K0877-05 (DUP-2)						Prepared & Analyzed: 11/22/2017			
Chromium, Hexavalent	0.456	0.0100	mg/L	0.500	ND	91.2	75-125				



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
17K0877-01	TW-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
17K0877-02	TW-1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
17K0877-03	FB-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
17K0877-04	TB-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
17K0877-05	DUP-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
17K0877-06	TW-3	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

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.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

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

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

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

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



Certification for pH is no longer offered by NYDOH ELAP.

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

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



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

Field Chain-of-Custody Record

YORK Project No.

17K0877

Page 1 of 1

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

YOUR INFORMATION		Report To:		Invoice To:		YOUR Project Number		Turn-Around Time	
Company:	Address:	Company:	Address:	Company:	Address:	100674401		RUSH - Next Day	
Address:	Address:	Address:	Address:	Address:	Address:	100674401-460		RUSH - Two Day	
Phone:	Phone:	Phone:	Phone:	Phone:	Phone:	West 41st St.		RUSH - Three Day	
Contact:	Contact:	Contact:	Contact:	Contact:	Contact:	YOUR Project Name		RUSH - Four Day	
E-mail:	E-mail:	E-mail:	E-mail:	E-mail:	E-mail:	YOUR PO#:		Standard (5-7 Day)	
Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.		Samples Collected by: (print your name above and sign below) MATT OLESKE		Matrix Codes S - soil / solid GW - groundwater DW - drinking water WW - wastewater O - Oil ; Other		Samples From New York New Jersey Connecticut Pennsylvania Other		Report / EDD Type (circle selections) Summary Report QA Report NY ASP A Package NY ASP B Package	
YORK Reg. Comp. Compared to the following Regulation(s): (please fill in)		Analysis Requested		Container Description		Standard Excel EDD EQUIS (Standard) NYSDEC EQUIS NJDEP Reduced Deliverables NJDEP SRP HazSite Other:		Compared to the following Regulation(s): (please fill in)	
Sample Identification		Sample Matrix		Date/Time Sampled		VOC, SVOC, TAL METALS, Hexavalent Chromium		3 ANALYSTS, 3 VOA	
TW-2		GW		11/21/17 930		1		1	
TW-1		GW		11/21/17		1		1	
FB-2		DW		11/21/17 1010		1		1	
TB-2		DW		—		1		1	
DUP-2		GW		11/21/17 950		1		1	
TW-3		GW		11/21/17 1615		1		1	
Comments:		Preservation: (check all that apply) HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___ ZnAc ___ Ascorbic Acid ___ Other: ___		Special Instruction Field Filtered ___ Lab to Filter ___		Date/Time		Date/Time	
Samples Relinquished by / Company		Samples Relinquished by / Company		Samples Relinquished by / Company		Samples Relinquished by / Company		Samples Relinquished by / Company	
Date/Time		Date/Time		Date/Time		Date/Time		Date/Time	
11/21/17 1645		11/21/17 1615		11/21/17 1615		11/21/17 1615		11/21/17 1615	
Samples Received by / Company		Samples Received by / Company		Samples Received by / Company		Samples Received by / Company		Samples Received by / Company	
Date/Time		Date/Time		Date/Time		Date/Time		Date/Time	
11/21/17 1645		11/21/17 1615		11/21/17 1615		11/21/17 1615		11/21/17 1615	
Samples Relinquished by / Company		Samples Relinquished by / Company		Samples Relinquished by / Company		Samples Relinquished by / Company		Samples Relinquished by / Company	
Date/Time		Date/Time		Date/Time		Date/Time		Date/Time	
11/21/17 1645		11/21/17 1615		11/21/17 1615		11/21/17 1615		11/21/17 1615	

Page 66 of 66