

30 May 2018

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

**Re: Phase II Environmental Investigation Report
Proposed Christian Cultural Center Development
12074 Flatlands Avenue
Block 4434 Lot 1
Brooklyn, New York
Langan Project No.: 100688801**

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 Phase II Environmental Investigation (EI) completed at the above referenced property. A site location map is provided as Figure 1. Langan completed a Phase I Environmental Site Assessment (ESA) dated 19 March 2018 for the Site which identified Recognized Environmental Conditions (RECs) including historical Site use as an automobile junkyard on the northern portion of the Site. The Phase I ESA also identified that the Site may have been filled with city incinerator waste, and the presence of methane associated with the fill in the subsurface was identified by historic soil vapor sampling and prompted installation of a methane venting/mitigation system beneath the existing Christian Cultural Center (CCC) building to the west of the Site. The Phase II EI described herein was completed for the purposes of due diligence, to investigate potential subsurface impacts associated with the RECs identified above, to contribute to the City Environmental Quality Review (CEQR), and to evaluate potential regulatory program options

Site Description

The Site is an approximately ±2.08-acre parcel (Block 4434 Lot 1) and consists of a recycled concrete aggregate (RCA) covered lot currently used for bus parking.

The Site is bound to the north by Flatlands Avenue followed by an automobile dismantling company and used automobile parts business, medical offices, and the Oasis Hotel. The Site is bound to the east by a twelve-story multi-family residential apartment building and Block 4434 Lot 10, which also consists of a RCA covered lot used for bus parking, followed by Pennsylvania Avenue. The Site is bound to the south by a twelve-story multi-family residential

apartment building and to the west by an offsite extension of the RCA covered bus parking lot followed by the CCC building and the surrounding asphalt-paved parking lot.

The Site is currently zoned as a residential district (R5) according to the New York City Department of City Planning (NYCDCP) zoning map effective 10 December 2020.

Langan's 2019 ESA identified the following Recognized Environmental Conditions (RECs) that were investigated as part of this Phase II Environmental Investigation (EI):

Former Gasoline Filling Station

A gasoline filling station was identified adjoining the Site to the east (Block 4434, Lot 10) on the 1950 historic Sanborn Map. Although not labeled as a filling station on subsequent historic Sanborn Maps, the one-story structure in this vicinity remained until 1986.

Former On-Site Automobile Junkyards

Based on the review of historic Sanborn Maps, automobile junkyards were identified on the northern portion the Site along Flatlands Avenue between Louisiana and Pennsylvania Avenues between 1967 and 2001. Historical automobile dismantling/junking operations were also identified on the adjoining sites to the west and east. A Certificate of Occupancy for Block 4432, Lot 1, located to the west of the Site, dated 1959 also classified site operations as the sale and storage of used cars.

Methane in the Subsurface

A methane venting/mitigation system is incorporated into the foundation of the CCC building located to the west of the Site. An exhaust blower was observed on the roof of the site building during Langan's 2018 Phase I ESA and was reported to be connected to an automated methane mitigation system below the building. Based on a 2003 Phase I ESA prepared by Soil Mechanics Environmental Services (Soil Mechanics), the source of methane in the subsurface is attributed to former marsh deposits and the presence of historic fill. Additionally, a Technical Memorandum for the Draft Environmental Impact Statement (DEIS) was prepared by AKRF, Inc. in 1991 that documented the historic presence of marshlands which were filled during the early 1900's using ash and waste from the city solid waste incinerator.

Phase II Environmental Investigation

This Phase II investigation was completed to determine if subsurface impacts exist associated with historical Site operations as an automobile junkyard and automobile dismantling facilities and historical gasoline filling station operations at nearby sites, if subsurface impacts exist associated with the presence of historic fill, and if methane identified during previous investigations is present in the subsurface which would require mitigation of soil vapor intrusion into proposed site buildings.

A geophysical utility clearance was completed around each soil boring location in May 2018. The Phase II investigation included excavation of two test pits to between approximately 5 and 6 feet below sidewalk grade, installation of five soil borings, two permanent groundwater monitoring wells, and collection of soil and groundwater samples for laboratory analysis. Temporary soil vapor/methane monitoring points were installed adjacent to two soil borings (LSB-11 and LSB-13) and methane concentrations were monitored over a 5-minute period at each location. Soil vapor samples were not collected for laboratory analysis as part of this Phase II EI.

Geological and Hydrogeological Conditions

Based on observations made during this Phase II EI, the soil profile at the Site consists of an approximately 16- to 25-foot thick layer of miscellaneous fill. An ash layer up to 3 feet thick was identified within the fill layer in soil borings LSB-10, LSB-11, LSB-12, and LSB-14 at varying thicknesses and varying depths between 10 and 20 feet below street level (bsl). An ash layer was not observed in LSB-13. Native sand was encountered in one of the five soil borings (LSB-14) at 16 feet bsl and extended to the bottom of the boring. Soil borings where native sands were encountered underlying the historic fill were located near the northern property boundary. Drilling refusal or weathered rock was not encountered in any of the soil borings installed as part of this Phase II EI.

Two soil borings (LSB-11 and LSB-13) were completed as 2-inch-diameter permanent groundwater monitoring wells (LMW-6 and LMW-4, respectively). The static depth to groundwater was measured to be 13.7 feet below current site grade at LSB-11/LMW-6 in the northern part of the Site and 18.8 feet below grade at LSB-13/LMW-4 in the central portion of the Site. Groundwater flow direction is expected to be to the south toward Fresh Creek Nature Preserve and Jamaica Bay.

Soil Investigation Procedures and Field Observations

Between 8 and 9 May 2018, five soil borings (LSB-10 through LSB-14) and two shallow test pits (LTP-5 and LTP-8) were completed to investigate soil conditions and assess potential subsurface impacts associated with historical operations at the Site and the adjoining sites to the east and west, and the presence of historic urban fill. The borings and test pits were completed by AARCO Environmental Services Corp. (AARCO) of Lindenhurst, New York.

Soil borings were completed to between 20 and 25 feet bsl with a track-mounted Geoprobe® 7822DT direct push drill rig. Soil borings LSB-11 and LSB-14 were installed on the northern portion of the Site in the vicinity of the historical automobile junking operations. Soil borings LSB-10, LSB-12, and LSB-13 were installed in the central and southern portions of the Site. Test pits were completed to between 5 and 6 feet bsl with a Bobcat E35 Mini Excavator throughout the Site footprint.

All soil boring and test pit locations are shown on Figure 2, and a summary of soil sample analytical results is provided in Table 1 and on Figure 3. Soil boring and test pit logs are provided in Attachment A and complete laboratory data packages are provided in Attachment B.

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 five test borings and all soil samples were screened for visual or olfactory evidence of impacts. Odors and elevated PID readings up to 22.1 parts per million (ppm) were identified in LSB-11 in the northern portion of the Site from 8 to 14 feet bsl. Slightly elevated PID readings, up to 0.8 ppm, were also identified at this boring location at 18 feet bsl, although no odors were observed. Elevated PID readings and/or odors were not observed in any other soil borings or in any of the test pits.

Ten soil samples were collected for chemical analysis during this Phase II EI. All soil samples were collected from the fill layer. Soil samples were collected from 0 to 2 feet bsl at each boring location. Samples were also collected to characterize deeper fill at two-foot intervals between 3 and 18 feet bsl at all soil boring locations. No samples were collected from the native sand layer and no samples were collected from the test pits.

Soil samples were submitted to York Analytical Laboratories, Inc. (York) of Stratford, CT for VOCs, semi-volatile organic compounds (SVOCs), polychlorinated biphenyl (PCBs), pesticides, 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® 7822DT. 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) were incorporated into the sampling event and consisted of one field blank and three trip blanks. The soil field blank sample was analyzed for VOCs, SVOCs, PCBs, pesticides, TAL metals, and hexavalent chromium. The trip blanks were analyzed for VOCs only.

Ground Water Investigation and Field Observations

On 9 and 11 May 2018, two permanent groundwater monitoring wells (LMW-4 and LMW-6) were installed by a licensed well driller from AARCO. Monitoring wells were completed to depths ranging from 20 to 25 feet bsl. Each well was installed with 10 feet of 20-slot Schedule 40 PVC well screen with Schedule 40 PVC riser to ground surface. A sand filter was installed to 3-feet bsl and one-foot of hydrated bentonite chips were installed on top of the sand filter as a sealing layer at each location. The riser was cut to approximately 0.25-feet below the ground surface and the wells were capped with a flush-mount manhole secured with concrete. Monitoring well construction logs are provided in Attachment A and monitoring well locations 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 groundwater monitoring wells. Groundwater was measured to be 13.7 feet below current site grade at LSB-11/LMW-6 in the northern part of the Site and 18.8 feet below grade at LSB-13/LMW-4 in the central portion of the Site.

On 14 May 2018, two groundwater samples were collected for chemical analysis via United States Environmental Protection Agency (USEPA) low-flow purging and sampling methods using dedicated polyethylene tubing and a 1.75-inch diameter submersible bladder pump with a dedicated polyethylene bladder at each location. 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 A. An elevated PID reading of 6 ppm was detected beneath the LMW-6 cap and an odor and slight sheen were identified during purging activities. No odors, evidence of sheen, or free product were observed during purging or sampling activities in LMW-4. A summary of groundwater analytical results is provided in Table 2. Low-flow groundwater sampling logs are provided in Attachment A and a complete laboratory data package is provided in Attachment B.

Groundwater samples collected were submitted to York for VOC, SVOC, PCBs, pesticides, total and dissolved TAL metals, and hexavalent chromium analysis.

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 blank) and quality control samples (field blank) were incorporated into the sampling event and consisted of one field blank and one trip blank for groundwater

samples. The groundwater field blank sample was analyzed for VOCs, SVOCs, PCBs, pesticides, total and dissolved TAL metals, and hexavalent chromium. The trip blanks were analyzed for VOCs only.

Soil Vapor/Methane Investigation and Field Observations

Two temporary soil vapor/methane monitoring points were installed adjacent to soil borings LSB-11 and LSB-13 between 5 and 15 feet bsl. These points were installed prior to soil boring installation to prevent an ambient pathway for the vapors. Each of the soil vapor points driven directly to the sampling depth using Teflon-lined polyethylene tubing connected to a dedicated expendable six-inch stainless steel screen. Quartz sand was installed directly around the stainless steel screen and No. 1 sand was used to backfill up to approximately one-foot above the screened interval followed by a hydrated granular bentonite clay seal to the ground surface.

A Honeywell MultiRae was connected to the tubing and methane readings were collected every 30 seconds for five minutes. Methane was not detected at any of the sample locations. Methane monitoring sheets are provided in Attachment A.

Laboratory Analytical Results

Soil

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

Analytical results revealed exceedances of the NYSDEC Unrestricted Use SCOs for the VOC acetone (0.05 milligrams per kilogram [mg/kg] – 0.16 mg/kg) in LSB-11 from 11.5 to 13.5 feet bsl, LSB-12 from 16 to 18 feet bsl, and LSB-14 from 8 to 10 feet bsl. No other exceedances of the NYSDEC SCOs were identified for VOCs.

SVOCs, in particular a subset of SVOCs identified as polycyclic aromatic hydrocarbons (PAHs), were identified in exceedance of the NYSDEC SCOs. NYSDEC Industrial Restricted Use SCO (RUSCO) exceedances include benzo(a)anthracene (12.2 mg/kg), benzo(a)pyrene (1.4 mg/kg – 10 mg/kg), and dibenzo(a,h)anthracene (2.27 mg/kg) in and LSB-14 from 0 to 2 feet bsl, LSB-13 and LSB-14 from 8 to 10 feet bsl, and LSB-12 from 16 to 18 feet bsl. NYSDEC Commercial RUSCO exceedances include benzo(b)fluoranthene (7.3 mg/kg) in LSB-12 from 16 to 18 feet bsl. NYSDEC Restricted Residential RUSCO exceedances include benzo(a)anthracene (1.51 mg/kg – 2.25 mg/kg), benzo(b)fluoranthene (1.06 mg/kg – 1.39 mg/kg), benzo(k)fluoranthene (7.82 mg/kg), chrysene (10.7 mg/kg), dibenzo(a,h)anthracene (0.371 mg/kg – 0.447 mg/kg), and indeno(1,2,3-cd)pyrene (0.521 mg/kg - 5.51 mg/kg) in LSB-12, LSB-13, and LSB-14 from 0 to 2 feet bsl, LSB-13 and LSB-14 from 8 to 10 feet bsl, and LSB-12 from 16 to 18 feet bsl. The highest total concentration of SVOCs was detected at LSB-12 from 16 to 18 feet bsl.

NYSDEC Residential RUSCO exceedances include 2-methylnaphthalene (0.904 mg/kg – 1.72 mg/kg), benzo(k)fluoranthene (1.04 mg/kg – 1.57 mg/kg), and chrysene (1.44 mg/kg – 2.24 mg/kg) in LSB-14 from 0 to 2 feet bsl, LSB-13 and LSB-14 from 8 to 10 feet bsl, LSB-11 from 11.5 to 13.5 feet bsl, and LSB-12 from 16 to 18 feet bsl. No other exceedances of the NYSDEC SCOs were identified for SVOCs.

Analytical results revealed exceedances of the NYSDEC Unrestricted Use SCOs for pesticides including 4,4'-DDD (0.022 mg/kg), 4,4'-DDT (0.00673 mg/kg – 0.0247 mg/kg), and dieldrin (0.00522 mg/kg – 0.0111 mg/kg) in LSB-10, LSB-11, LSB-13, and LSB-14 from 0 to 2 feet bsl, and LSB-12 from 16 to 18 feet bsl. No other exceedances of the NYSDEC SCOs were identified for pesticides.

Analytical results revealed exceedances of the NYSDEC Unrestricted Use SCOs for PCBs including Aroclor 1254 (0.19 mg/kg – 0.225 mg/kg), Aroclor 1260 (0.104 mg/kg – 0.918 mg/kg), and total PCBs (0.113 mg/kg – 0.918 mg/kg) in LSB-10, LSB-12, LSB-13, and LSB-14 from 0 to 2 feet bsl, LSB-11 from 11.5 to 13.5 feet bsl, and LSB-12 from 16 to 18 feet bsl. No other exceedances of the NYSDEC SCOs were identified for PCBs.

Metals were identified in exceedance of the NYSDEC SCOs in all samples collected. NYSDEC Commercial RUSCO exceedances include barium (419 mg/kg – 572 mg/kg) and lead (1,640 mg/kg) in LSB-14 from 8 to 10 feet bsl, LSB-11 from 11.5 to 13.5 feet bsl, and LSB-12 from 16 to 18 feet bsl. NYSDEC Restricted Residential RUSCO exceedances include cadmium (6.82 mg/kg) and lead (462 mg/kg – 734 mg/kg) in LSB-10 and LSB-14 from 0 to 2 feet, LSB-13 from 8 to 10 feet bsl, LSB-11 from 11.5 to 13.5 feet bsl, and LSB-12 from 16 to 18 feet bsl.

NYSDEC Residential RUSCO exceedances were detected in all soil samples collected including barium (385 mg/kg), trivalent chromium (44.8 mg/kg – 65.1 mg/kg), iron (11,000 mg/kg – 68,300 mg/kg), and zinc (2,500 mg/kg – 5,070 mg/kg). NYSDEC Unrestricted Use SCO exceedances were detected in all soil samples collected including copper (69.7 mg/kg – 225 mg/kg), lead (91.3 mg/kg – 286 mg/kg), mercury (0.263 mg/kg – 0.689 mg/kg), nickel (31.5 mg/kg – 63.4 mg/kg), selenium (8.44 mg/kg), and zinc (257 mg/kg – 451 mg/kg).

Groundwater

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 exceedances of the NYSDEC GWQS for the VOC methyl tert-butyl ethyl (19.9 micrograms per liter [µg/l]) in LMW-4. No other VOCs were detected in exceedance of the NYSDEC GWQS.

The SVOC 3&4 methylphenol (6.43 µg/l) was detected in exceedance of the NYSDEC GWQS in LMW-4. No other SVOCs were detected in exceedance of the NYSDEC GWQS.

Aroclor 1254 and total PCBs (0.341 µg/l) were detected in exceedance of the NYSDEC GWQS in LMW-6. No other PCBs were detected in exceedance of the NYSDEC GWQS.

Metals were detected at concentrations exceeding the NYSDEC GWQS in both groundwater samples collected including total iron (532 µg/l – 34,400 µg/l), dissolved iron (2,940 µg/l – 9,800 µg/l), total lead (117 µg/l), total manganese (439 µg/l – 877 µg/l), dissolved manganese (309 µg/l – 513 µg/l), total selenium (20.9 µg/l), dissolved selenium (14.6 µg/l), total sodium (76,100 µg/l – 181,000 µg/l), and dissolved sodium (87,800 µg/l – 123,000 µg/l).

Pesticides were not detected above the NYSDEC GWQS in either of the samples collected.

Conclusions

Odors and elevated PID readings up to 22.1 ppm were detected in the northern portion of the Site from 8 to 14 feet bsl. These observations were identified in the vicinity of the historical automobile junking operation located on the northern portion of the Site.

Soil analytical results identified elevated concentrations of the VOC acetone, a common laboratory artifact, in three samples collected. Elevated concentrations of PAHs, pesticides, PCBs, and metals in fill material throughout the Site are attributed to historical Site operations and/or the quality of contaminated fill material of unknown origin.

Groundwater analytical results identified elevated concentrations of the VOC methyl-tert butyl ether, a common fuel additive, in one groundwater sample collected from LMW-4 located within the eastern portion of the Site. An elevated concentration of the SVOC 3&4 methylphenol, which is a derivative of phenol (a petroleum derived compound), was also detected at LMW-4. These detections are associated with historical Site operations as automobile junking. Elevated concentrations of PCBs and metals were also identified and are attributed to likely sediment entrainment of contaminated fill material of unknown origin in the groundwater samples. Dissolved metal exceedances are attributed to naturally occurring background concentrations.

Soil vapor/methane field screening results did not identify the presence of methane in the subsurface.

Based on the soil and groundwater analytical results, the subsurface has been impacted from historical Site operations and historic fill containing elevated concentrations of SVOCs, pesticides, PCBs, and metals has been identified on the Site. Although a methane monitoring system was previously installed at the adjacent CCC building, methane was not detected in the subsurface and does not appear to be a contaminant of concern under current Site conditions.

This Phase II was limited in scope and 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



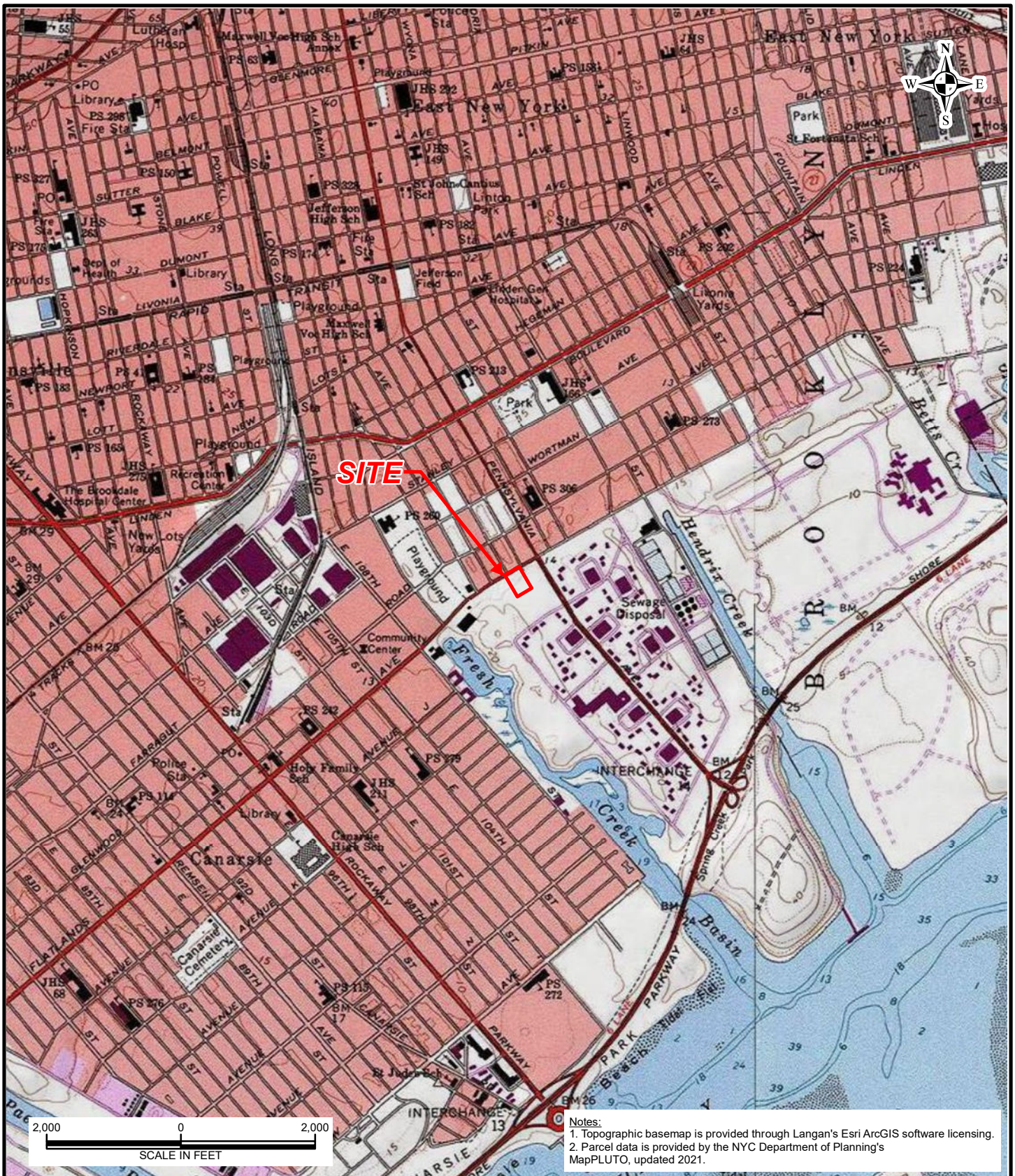
Steven Ciambuschini, PG, LEP
Principal/Vice President

AF:SAC:kn

Attachments: Tables 1 and 2
Figures 1 through 4
Attachment A – Field Logs
Attachment B – Laboratory Analytical Data Packages

\\Langan.com\data\PAR\data8\100688801\Project Data\Discipline\Environmental\Reports\Block 4434 Lot 1\2018-05 Phase II (Block 4434 Lot 1)_REVISED\Phase II EI Letter Report (FINAL 2018-05-30).docx

FIGURES



LANGAN

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Langan Engineering & Environmental Services, Inc.
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Langan International LLC
Collectively known as Langan

NJ CERTIFICATE OF AUTHORIZATION No. 24GA27996400

Project

**12074 FLATLANDS
AVENUE**

BLOCK No. 4434, LOT No. 1
BROOKLYN

KINGS COUNTY

NEW YORK

Drawing Title

**SITE LOCATION
MAP**

Project No.

100688801

Date

5/30/2018

Scale

1"=2,000'

Drawn By

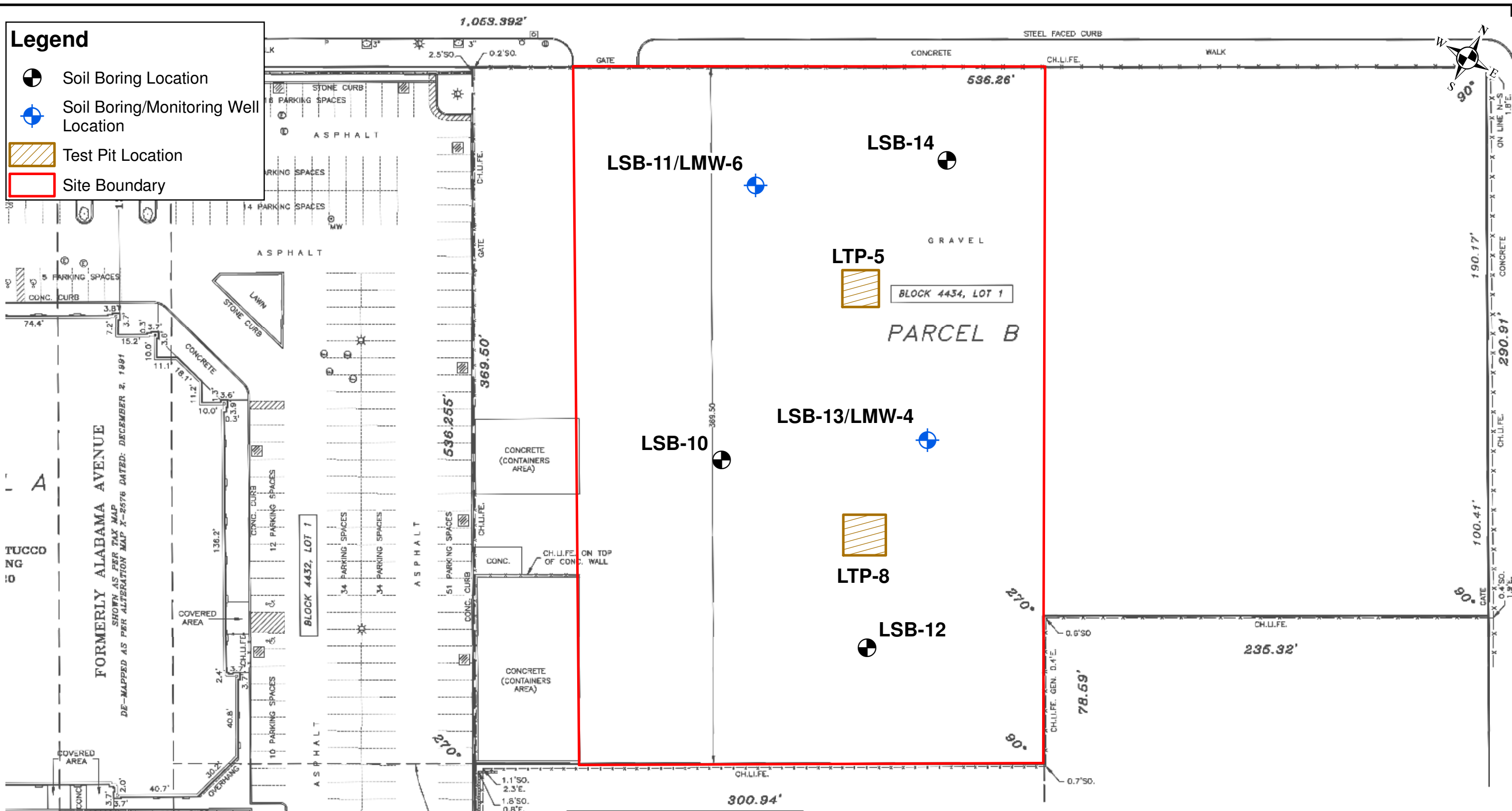
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Figure

1

Legend

- Soil Boring Location
- Soil Boring/Monitoring Well Location
- Test Pit Location
- Site Boundary



References:
1. Site survey basemap from "Map of Survey" plan by Leonard J. Strandberg and Associates, from survey last updated February 19, 2018.
2. Sample and test pit locations were collected using the ArcGIS Collector application on a tablet utilizing GPS location.

LANGAN 300 Kimball Drive Parsippany, NJ 07054 T: 973.560.4900 F: 973.560.4901 www.langan.com Langan Engineering & Environmental Services, Inc. Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. Langan International LLC Collectively known as Langan NJ CERTIFICATE OF AUTHORIZATION No. 24GA27996400	Project 12074 FLATLANDS AVENUE BLOCK No. 4434, LOT No. 1 BROOKLYN KINGS COUNTY NEW YORK	Drawing Title SAMPLE LOCATION PLAN	Project No. 100688801 Date 5/30/2018 Scale 1" = 50' Drawn By IHB	Figure 2
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Legend

Site Boundary

Soil Boring Location

Soil Boring/Monitoring Well Location

Test Pit Location

NYSDEC Subpart 375-6 Remedial Program SCOs	Unrestricted Use	Protection of Public Health - Restricted Use SCOs			
	mg/kg	Residential mg/kg	Restricted-Residential mg/kg	Commercial mg/kg	Industrial mg/kg
VOCs	0.05	100	100	500	1,000
Acetone	—	—	—	—	—
SVOCs	—	0.41	—	—	—
2-Methylnaphthalene	1	1	1	5.6	11
Benzo(a)anthracene	1	1	1	1	1.1
Benzo(a)pyrene	1	1	1	5.6	11
Benzo(b)fluoranthene	0.8	1	3.9	56	110
Benzo(k)fluoranthene	1	1	3.9	56	110
Chrysene	0.33	0.33	0.33	0.56	1.1
Dibenz(a,h)anthracene	0.5	0.5	0.5	5.6	11
Indeno(1,2,3-cd)pyrene	0.0033	2.6	13	92	180
Pesticides	0.0033	1.7	7.9	47	94
4,4'-DDD	0.005	0.039	0.2	1.4	2.8
4,4'-DDT	—	—	—	—	—
Dieldrin	0.1	1	1	1	25
PCBs	0.1	1	1	1	25
Aroclor 1254	0.1	1	1	1	25
Aroclor 1260	0.1	1	1	1	25
Total PCBs	0.1	1	1	1	25
Metals	—	—	—	—	—
Barium	350	350	400	400	10,000
Cadmium	2.5	2.5	4.3	9.3	60
Chromium, Trivalent	30	36	180	1500	6,800
Copper	50	270	270	270	10,000
Iron	—	2,000	—	—	—
Lead	63	400	400	1,000	3,900
Mercury	0.18	0.81	0.81	3	6
Nickel	30	140	310	310	10,000
Selenium	3.9	36	180	1500	6,800
Zinc	109	2,200	10,000	10,000	10,000

NOTES:
Soil Cleanup Objectives are taken from the NYSDEC Subpart 375-6 Remedial Program SCOs (Revised Brownfields) criteria are from the NYSDEC Soil Cleanup Objective Tables 375-6.8(a) and 375-6.8(b), last revised 14 December 2006 and the NYSDEC CR-51 Soil Cleanup Guidance dated 21 October 2010.
ft bgs: feet below ground surface
mg/kg: milligrams per kilogram
—: Indicates that no regulatory limit has been established for this analyte
Regulatory Exceedances are in **bold** and are color coded by regulation.
Q is the Qualifier Column with definitions as follows:
U: The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the Limit of Detection (LOD)/Method Detection Limit (MDL) or the sample concentration for results impacted by blank contamination.
J: The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
D: Compound analyzed at a secondary dilution factor.
P: This flag is used for pesticide and PCB (Aroclor) target compounds when there is a % difference for detected concentrations that exceed method dictated limits between the two GC columns used for analysis.
E: The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate.

References:
1. Site survey basemap from "Map of Survey" plan by Leonard J. Strandberg and Associates, from survey last updated February 19, 2018.
2. Sample and test pit locations were collected using the ArcGIS Collector application on a tablet utilizing GPS location.

LANGAN

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Langan International LLC
Collectively known as Langan

NJ CERTIFICATE OF AUTHORIZATION No. 24GA27996400

Project
12074 FLATLANDS AVENUE
BLOCK No. 4434, LOT No. 1
BROOKLYN
KINGS COUNTY NEW YORK

Drawing Title
SOIL SAMPLE LOCATIONS AND RESULTS

Project No.
100688801
Date
5/30/2018
Scale
1" = 60'
Drawn By
IHB
Figure
3

Path: \\Langan.com\data\PAR\data8\100688801\Project Data\ArcGIS\MXD\Environmental_Figures\2018-05 Phase II (Block 4434 Lot 1)\10.5\Figure 3 - Soil Sample Locations and Results 11x17.mxd

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Legend

Site Boundary

Soil Boring Location

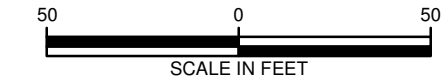
Soil Boring/Monitoring Well Location

Test Pit Location

Groundwater Part 703 and TOGS 1.1.1 Combined	Ground Water Quality Standards ug/L
VOCs	
Methyl tert-butyl ether	10
SVOCs	
3- & 4-Methylphenols	1
PCBs	
Pcb-1254 (Aroclor 1254)	0.09
Total PCBs	0.09
Total Metals	
Iron	300
Lead	25
Manganese	300
Selenium	10
Sodium	20,000
Dissolved Metals	
Iron	300
Manganese	300
Selenium	10
Sodium	20,000

NOTES:
Exceedances of regulatory criteria are highlighted and **bold**.
ug/L: micrograms per liter
B: Analyte present in the analysis batch blank

NYSDEC Technical & Operational Guidance Series (TOGS)
1.1.1 Ambient Water Quality Standards and Guidance
Values and Groundwater Effluent Limitations, last revised
June 2004.
<http://www.dec.ny.gov/regulations/2652.html>



References:
1. Site survey basemap from "Map of Survey" plan by Leonard J. Strandberg and Associates, from survey last updated February 19, 2018.
2. Sample and test pit locations were collected using the ArcGIS Collector application on a tablet utilizing GPS location.

LANGAN

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Langan Engineering & Environmental Services, Inc.
Langan Engineering, Environmental, Surveying,
Landscape Architecture and Geology, D.P.C.
Langan International LLC
Collectively known as Langan

NJ CERTIFICATE OF AUTHORIZATION No. 24GA27996400

Project

12074 FLATLANDS
AVENUE

BLOCK No. 4434, LOT No. 1

BROOKLYN

KINGS COUNTY

NEW YORK

Drawing Title

GROUNDWATER
SAMPLE LOCATIONS
AND RESULTS

Project No.

100688801

Date

5/30/2018

Scale

1" = 50'

Drawn By

IHB

Figure

4

TABLES

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
Block 4434 Lot 1
Brooklyn, New York

Sample ID: Langan Sample Number: Laboratory Sample Number: Sampling Date: Units:	CAS Number	TOGS 1.1.1 ug/L	Part 703 ug/L	Ground Water Quality Standards ¹ ug/L	059/LMW-4 059 18E0702-07 5/14/2018 ug/L Q	055/LMW-6 055 18E0702-03 5/14/2018 ug/L Q
Volatile Organic Compounds (VOCs)						
1,1,1-Trichloroethane	71-55-6	5	5	5	0.200 U	0.200 U
1,1'-Biphenyl	92-52-4	5	5	5	2.86 U	2.63 U
1,1-Dichloroethane	75-34-3	5	5	5	0.200 U	0.200 U
1,1-Dichloroethene	75-35-4	5	5	5	0.200 U	0.200 U
1,1,1-Trichloroethane	71-55-6	5	5	5	0.200 U	0.200 U
1,1,2-Trichloroethane	79-00-5	1	1	1	0.200 U	0.200 U
1,1,1,2-Tetrachloroethane	630-20-6	5	5	5	0.200 U	0.200 U
1,1,2,2-Tetrachloroethane	79-34-5	5	5	5	0.200 U	0.200 U
1,2-Dichlorobenzene	95-50-1	3	3	3	0.200 U	0.200 U
1,2-Dichloroethane	107-06-2	0.6	0.6	0.6	0.200 U	0.200 U
1,2-Dichloroethene (cis)	156-59-2	5	5	5	0.200 U	0.200 U
1,2-Dichloroethene (trans)	156-60-5	5	5	5	0.200 U	0.200 U
1,2-Dichloropropane	78-87-5	1	1	1	0.200 U	0.200 U
1,2-Dichloropropene (cis)	10061-01-5			0.4	0.200 U	0.200 U
1,3-Dichlorobenzene	541-73-1	3	3	3	0.200 U	0.200 U
1,2,3-Trichlorobenzene	87-61-6	5	5	5	0.200 U	0.200 U
1,2,2-Trifluoroethane (113 Freon)	76-13-1	5	—	5	0.200 U	0.200 U
1,2,3-Trichloropropane	96-18-4	0.04	0.04	0.04	0.200 U	0.200 U
1,2,4-Trichlorobenzene	120-82-1	5	5	5	0.200 U	0.200 U
1,2,4-Trimethylbenzene	95-63-6	5	5	5	0.200 U	0.200 U
1,3,5-Trimethylbenzene	108-67-8	5	5	5	0.200 U	0.200 U
1,3-Dichloropropene (trans)	10061-02-6			0.4	0.200 U	0.200 U
1,3-Dichlorobenzene	541-73-1	3	3	3	0.200 U	0.200 U
1,4-Dichlorobenzene	106-46-7	3	3	3	0.200 U	0.750
1,4-Dioxane	123-91-1	—	—	—	40 U	40 U
2-Butanone	78-93-3	50	—	50	1.62	0.20 U
Acetone	67-64-1	50	0	50	2.94	1.44 J
Acrolein	107-02-8	5	5	5	0.200 U	0.200 U
Acrylonitrile	107-13-1	5	5	5	0.200 U	0.200 U
Benzene	71-43-2	1	1	1	0.200 U	0.200 U
Bromochloromethane	74-97-5	5	5	5	0.200 U	0.200 U
Bromodichloromethane	75-27-4	50	—	50	0.200 U	0.200 U
Bromoform	75-25-2	50	—	50	0.200 U	0.200 U
Bromomethane	74-83-9	5	5	5	0.200 U	0.200 U
n-Butylbenzene	104-51-8	5	5	5	0.200 U	0.310 J
Carbon Disulfide	75-15-0	60	60	60	0.200 U	0.200 U
Carbon tetrachloride	56-23-5	5	5	5	0.200 U	0.200 U
Chlorobenzene	108-90-7	5	5	5	0.20 U	0.24 J
Chloroethane	75-00-3	5	5	5	0.200 U	0.200 U
Chloroform	67-66-3	7	7	7	0.200 U	0.200 U
Cyclohexane	110-82-7	—	—	—	0.200 U	0.840
Dibromochloromethane	124-48-1	50	—	50	0.200 U	0.200 U
Dibromomethane	74-95-3	5	5	5	0.200 U	0.200 U
Dichlorodifluoromethane	75-71-8	5	5	5	0.200 U	0.200 U
Ethylbenzene	100-41-4	5	5	5	0.200 U	0.200 U
Ethylene Dibromide	106-93-4	0.0006	0.0006	0.0006	0.200 U	0.200 U
Hexachlorobutadiene	87-68-3	0.5	0.5	0.5	0.200 U	0.200 U
Hexachlorobenzene	118-74-1	0.04	0.04	0.04	0.0229 U	0.0211 U
2-Hexanone	591-78-6	50	—	50	0.200 U	0.200 U
Isopropyl Benzene	98-82-8	5	5	5	0.200 U	0.240 J
p-Isopropyltoluene	99-87-6	5	5	5	0.540	0.200 U
Methanol	67-56-1	—	—	—	NA	NA
Methyl acetate	79-20-9	—	—	—	0.200 U	0.200 U
Methyl ethyl ketone (MEK / 2-butanone)	78-93-3	50	—	50	1.620	0.200 U
Methyl tert-butyl ether	1634-04-4	10	—	10	19.900	2.500
Methylene chloride	75-09-2	5	5	5	1.000 U	1.000 U
Methylcyclohexane	108-87-2	—	—	—	0.200 U	1.200
4-Methyl-2-Pentanone	108-10-1	—	—	—	0.200 U	0.200 U
Naphthalene	91-20-3	10	—	10	NA	NA
N-nitrosodiphenylamine	86-30-6	50	—	50	2.860 U	2.630 U
Propylbenzene-n	103-65-1	5	5	5	0.200 U	0.200 U
Sec-Butylbenzene	135-98-8	5	5	5	0.200 U	0.320 J
Styrene	100-42-5	5	5	5	0.200 U	0.200 U
Tert Butyl Alcohol (TBA)	75-65-0	—	—	—	0.500 U	0.500 U
Tert-Butylbenzene	98-06-6	5	5	5	0.200 U	0.200 U
Tetrachloroethene	127-18-4	5	5	5	0.200 U	0.200 U
Toluene	108-88-3	5	5	5	0.230 J	0.200 U
Trichloroethene	79-01-6	5	5	5	0.200 U	0.200 U
Trichlorofluoromethane (Freon 11)	75-69-4	5	5	5	0.200 U	0.200 U
Vinyl Chloride	75-01-4	2	2	2	0.200 U	0.200 U
1,2-Xylene (o-Xylene)	95-47-6	5	5	5	0.200 U	0.390 J
m&p-Xylene	179601-23-1	—	—	5	0.500 U	0.500 U
Xylene (mixed)	1330-20-7	—	—	5	0.600 U	0.620 J

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
Block 4434 Lot 1
Brooklyn, New York

Sample ID: Langan Sample Number: Laboratory Sample Number: Sampling Date: Units:	CAS Number	TOGS 1.1.1 ug/L	Part 703 ug/L	Ground Water Quality Standards ¹ ug/L	059/LMW-4 059 18E0702-07 5/14/2018 ug/L Q	055/LMW-6 055 18E0702-03 5/14/2018 ug/L Q
Semi-Volatile Organic Compounds (SVOCs)						
1,1'-Biphenyl	92-52-4	5	5	5	2.860 U	2.630 U
1,2-Diphenylhydrazine (as Azobenzene)	122-66-7	---	---	---	2.860 U	2.630 U
2-Chloronaphthalene	91-58-7	10	---	10	2.860 U	2.630 U
2-Chlorophenol	95-57-8	---	---	---	2.860 U	2.630 U
2-Methylnaphthalene	91-57-6	---	---	---	2.860 U	2.630 U
2-Nitroaniline	88-74-4	5	5	5	2.860 U	2.630 U
2-Nitrophenol	88-75-5	---	---	---	2.860 U	2.630 U
2,4-Dichlorophenol	120-83-2	1	1	1	2.860 U	2.630 U
2,4-Dimethylphenol	105-67-9	1	1	1	2.860 U	2.630 U
2,4-Dinitrophenol	51-28-5	1	1	1	2.860 U	2.630 U
2,4-Dinitrotoluene	121-14-2	5	5	5	2.860 U	2.630 U
2,6-Dinitrotoluene	606-20-2	5	5	5	2.860 U	2.630 U
3-Chloroaniline	108-42-9	5	5	5	NA	NA
3-Chlorophenol	108-43-0	1	---	1	NA	NA
3-Nitroaniline	99-09-2	5	5	5	2.860 U	2.630 U
3,3'-Dichlorobenzidine	91-94-1	5	5	5	2.860 U	2.630 U
3- & 4-Methylphenols	65794-96-9			1	6.430	2.630 U
4-Nitroaniline	100-01-6	5	5	5	2.860 U	2.630 U
4-Nitrophenol	100-02-7	1	---	1	5.710 U	5.260 U
4,6-Dinitro-2-methylphenol	534-52-1			---	2.860 U	2.630 U
Acenaphthene	83-32-9	20	---	20	0.126	0.158
Acenaphthylene	208-96-8	---	---	---	0.057 U	0.053 U
Atrazine	1912-24-9	7.5	7.5	7.5	0.571 U	0.526 U
Anthracene	120-12-7	50	---	50	0.080	0.063
Benzidine	92-87-5	5	5	5	5.710 U	5.260 U
Benzo(a)anthracene	56-55-3	0.002	---	0.002	0.057 U	0.053 U
Benzo(a)pyrene	50-32-8	ND	ND	ND	0.057 U	0.053 U
Benzo(b)fluoranthene	205-99-2	0.002	---	0.002	0.057 U	0.053 U
Benzo(g,h,i)perylene	191-24-2	---	---	---	0.057 U	0.053 U
Benzo(k)fluoranthene	207-08-9	0.002	---	0.002	0.057 U	0.053 U
Benzoic acid	65-85-0	---	---	---	28.600 U	26.300 U
Benzyl alcohol	100-51-6	---	---	---	2.860 U	2.630 U
Bis(2-chloroethoxy)methane	111-91-1	5	5	5	2.860 U	2.630 U
bis(2-Chloroethyl)ether	111-44-4	1	---	1	1.140 U	1.050 U
bis(2-Ethylhexyl)phthalate	117-81-7	5	5	5	0.571 U	0.526 U
4-Bromophenyl phenyl ether	101-55-3	---	---	---	2.860 U	2.630 U
Butyl benzyl phthalate	85-68-7	50	---	50	2.860 U	2.630 U
Carbazole	86-74-8	---	---	---	2.860 U	2.630 U
4-Chlorophenyl phenyl ether	7005-72-3	---	---	---	2.860 U	2.630 U
Chrysene	218-01-9	0.002	---	0.002	0.057 U	0.053 U
Dibenzo(a,h)anthracene	53-70-3	---	---	---	0.057 U	0.053 U
Dibenzofuran	132-64-9	---	---	---	2.860 U	2.630 U
Diethyl phthalate	84-66-2	50	---	50	2.860 U	2.630 U
Dimethyl phthalate	131-11-3	50	---	50	2.860 U	2.630 U
Di-n-butyl phthalate	84-74-2	50	50	50	2.860 U	2.630 U
Di-n-octyl phthalate	117-84-0	50	---	50	2.860 U	2.630 U
Fluoranthene	206-44-0	50	---	50	0.194	0.063
Fluorene	86-73-7	50	---	50	0.286	0.284
Hexachlorobenzene	118-74-1	0.04	0.04	0.04	0.023 U	0.021 U
Hexachlorobutadiene	87-68-3	0.5	0.5	0.5	0.200 U	0.200 U
Hexachlorocyclopentadiene	77-47-4	5	5	5	5.710 U	5.260 U
Hexachloroethane	67-72-1	5	5	5	0.571 U	0.526 U
Indeno(1,2,3-cd)pyrene	193-39-5	0.002	---	0.002	0.057 U	0.053 U
Isophorone	78-59-1	50	---	50	2.860 U	2.630 U
Naphthalene	91-20-3	10	---	10	0.206	0.305
Nitrobenzene	98-95-3	0.4	0.4	0.4	0.286 U	0.263 U
N-Nitrosodimethylamine	62-75-9	---	---	---	0.571 U	0.526 U
N-nitroso-di-n-propylamine	621-64-7	---	---	---	2.860 U	2.630 U
n-Nitrosodiphenylamine	86-30-6	50	---	50	2.860 U	2.630 U
o-Cresol(s) (2-Methylphenol)	95-48-7	1	---	1	2.860 U	2.630 U
p-Cresol(s) (4-Methylphenol)	106-44-5	1	---	1	NA	NA
Pentachlorophenol	87-86-5	1	1	1	0.286 U	0.263 U
Phenanthrene	85-01-8	50	---	50	0.389	0.358
Phenol (total)	108-95-2	1	1	1	2.860 U	2.630 U
Pyrene	129-00-0	50	---	50	0.103	0.053 U

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Block 4434 Lot 1
Brooklyn, New York

Sample ID: Langan Sample Number: Laboratory Sample Number: Sampling Date: Units:	CAS Number	TOGS 1.1.1 ug/L	Part 703 ug/L	Ground Water Quality Standards ¹ ug/L	059/LMW-4 059 18E0702-07 5/14/2018 ug/L Q	055/LMW-6 055 18E0702-03 5/14/2018 ug/L Q
Pesticides						
4,4'-DDE	72-55-9	0.2	0.2	0.2	0.00457 U	0.00444 U
4,4'-DDT	50-29-3	0.2	0.2	0.2	0.00457 U	0.00444 U
4,4'-DDD	72-54-8	0.3	0.3	0.3	0.00457 U	0.00444 U
Aldrin	309-00-2	ND	ND	ND	0.00457 U	0.00444 U
Alpha-BHC	319-84-6	0.01	0.01	0.01	0.00457 U	0.00444 U
Beta-BHC	319-85-7	0.04	0.04	0.04	0.00457 U	0.00444 U
Chlordane	57-74-9	0.05	0.05	0.05	0.02290 U	0.02220 U
Delta-BHC	319-86-8	0.04	0.04	0.04	0.00457 U	0.00444 U
Dieldrin	60-57-1	0.004	0.004	0.004	0.00229 U	0.00222 U
Endosulfan I	959-98-8	—	—	—	0.00457 U	0.00444 U
Endosulfan II	33213-65-9	—	—	—	0.00457 U	0.00444 U
Endosulfan Sulfate	1031-07-8	—	—	—	0.00457 U	0.00444 U
Endrin	72-20-8	ND	ND	ND	0.00457 U	0.00444 U
Endrin aldehyde	7421-93-4	5	5	5	0.0114 U	0.0111 U
Endrin ketone	53494-70-5	5	5	5	0.0114 U	0.0111 U
Heptachlor	76-44-8	0.04	0.04	0.04	0.00457 U	0.00444 U
Heptachlor epoxide	1024-57-3	0.03	0.03	0.03	0.00457 U	0.00444 U
Methoxychlor	72-43-5	35	35	35	0.00457 U	0.00444 U
Toxaphene	8001-35-2	0.06	0.06	0.06	0.114 U	0.111 U
Polychlorinated biphenyls (PCBs)		0.09	0.09	0.09		
Pcb-1016 (Aroclor 1016)	12674-11-2	0.09	0.09	0.09	0.0571 U	0.0556 U
Pcb-1221 (Aroclor 1221)	11104-28-2	0.09	0.09	0.09	0.0571 U	0.0556 U
Pcb-1232 (Aroclor 1232)	11141-16-5	0.09	0.09	0.09	0.0571 U	0.0556 U
Pcb-1242 (Aroclor 1242)	53469-21-9	0.09	0.09	0.09	0.0571 U	0.0556 U
Pcb-1248 (Aroclor 1248)	12672-29-6	0.09	0.09	0.09	0.0571 U	0.0556 U
Pcb-1254 (Aroclor 1254)	11097-69-1	0.09	0.09	0.09	0.0571 U	0.3410
Pcb-1260 (Aroclor 1260)	11096-82-5	0.09	0.09	0.09	0.0571 U	0.0556 U
Total PCBs	1336-36-3	0.09	0.09	0.09	0.0571 U	0.3410
Herbicides						
2,4,5-T	93-76-5	35	35	35	NA	NA
2,4-D	94-75-7	50	50	50	NA	NA
2,4,5,-TP	93-72-1	0.26	0.26	0.26	NA	NA
Metals						
Aluminum	7429-90-5	—	—	—	232.00	600.00
Antimony	7440-36-0	3	3	3	1.11 U	1.11 U
Arsenic	7440-38-2	25	25	25	9.57	1.11 U
Barium	7440-39-3	1000	1000	1,000	81	388
Beryllium	7440-41-7	3	—	3	1.11 U	1.11 U
Cadmium	7440-43-9	5	5	5	1.11 U	1.11 U
Calcium	7440-70-2	—	—	—	82,500	102,000
Chromium, Hexavalent	18540-29-9	50	50	50	10 U	10 U
Chromium, Trivalent	16065-83-1	—	—	—	10 U	10 U
Cobalt	7440-48-4	—	—	—	6.15	5.56 U
Copper	7440-50-8	200	200	200	5.56 U	12.5
Cyanide	57-12-5	200	200	200	NA	NA
Iron	7439-89-6	300	300	300	532.00	34,400
Iron and Manganese	7493-89-6/7439-96-5	500	500	500	NA	NA
Lead	7439-92-1	25	25	25	6 U	117
Magnesium	7439-95-4	35000	—	35,000	7,610	10,000
Manganese	7439-96-5	300	300	300	439	877
Mercury (elemental)	7439-97-6	0.7	0.7	0.7	0.2 U	0.2 U
Molybdenum	7439-98-7	—	—	—	NA	NA
Nickel	7440-02-0	100	100	100	5.56 U	5.56 U
Potassium	7440-09-7	—	—	—	10,600 B	18,100 B
Selenium	7782-49-2	10	10	10	20.90	3.72
Silver	7440-22-4	50	50	50	5.56 U	5.56 U
Sodium	7440-23-5	20000	20000	20,000	76,100 B	181,000 B
Thallium	7440-28-0	0.5	—	0.5	1.11 U	1.11 U
Vanadium	7440-62-2	—	—	—	11.100 U	11.100 U
Zinc	7440-66-6	2000	—	2,000	16.7 U	230
Dissolved Metals						
Aluminum	7429-90-5D	—	—	—	55.6 U	55.6 U
Antimony	7440-36-0D	3	3	3	1.110 U	1.110 U
Arsenic	7440-38-2D	25	25	25	4.550	1.110 U
Barium	7440-39-3D	1000	1000	1,000	450	299
Beryllium	7440-41-7D	3	—	3	1.110 U	1.110 U
Boron	7440-42-8D	1000	1000	1,000	NA	NA
Cadmium	7440-43-9D	5	5	5	1.110 U	1.110 U
Calcium	7440-70-2D	—	—	—	156,000	135,000
Chromium	7440-47-3D	50	50	50	5.56 U	5.56 U
Chromium, Hexavalent	18540-29-9D	50	50	50	NA	NA
Chromium, Trivalent	16065-83-1D	0	0	0	NA	NA
Cobalt	7440-48-4D	—	—	—	5.56 U	5.56 U
Copper	7440-50-8D	200	200	200	5.56 U	5.56 U
Cyanide	57-12-5D	200	200	200	NA	NA
Iron	7439-89-6D	300	300	300	2,940	9,800
Iron and Manganese	7493-89-6/7439-96-5	500	500	500	NA	NA
Lead	7439-92-1D	25	25	25	5.56 U	5.56 U
Lithium	7439-93-2D	0	0	0	NA	NA
Magnesium	7439-95-4D	35000	—	35,000	21,200	13,800
Manganese	7439-96-5D	300	300	300	309	513
Mercury (elemental)	7439-97-6D	0.7	0.7	0.7	0.2 U	0.2 U
Molybdenum	7439-98-7D	—	—	—	NA	NA
Nickel	7440-02-0D	100	100	100	5.56 U	5.56 U
Potassium	7440-09-7D	—	—	—	20,800	13,300
Selenium	7782-49-2D	10	10	10	14.60	1.86
Silver	7440-22-4D	50	50	50	5.56 U	5.56 U
Sodium	7440-23-5D	20000	20000	20,000	123,000	87,800
Technetium	7440-26-8D	0	0	0	NA	NA
Thallium	7440-28-0D	0.5	—	0.5	1.11 U	1.11 U
Tin	7440-31-5D	0	0	0	NA	NA
Uranium	7440-61-1D	0	0	0	NA	NA
Vanadium	7440-62-2D	—	—	—	11.1 U	11.1 U
Zinc	7440-66-6D	2000	—	2,000	18.1	16.7 U

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 February 15, 2016). 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/2652.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

Q is the Qualifier Column with definitions as follows:
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

ATTACHMENT A

Field Logs

LANGAN

LOG OF BORING LSB-10

SHEET 1 OF 2

PROJECT Christian Cultural Center		PROJECT NO. 100688801	
LOCATION 12020 Flatlands Avenue Brooklyn, NY		ELEVATION AND DATUM	
DRILLING AGENCY AARCO Environmental Services Corp.	DATE STARTED 5/9/2018	DATE FINISHED 5/9/2018	
DRILLING EQUIPMENT Geoprobe 7822 DT	COMPLETION DEPTH 23'	ROCK DEPTH	
SIZE AND TYPE OF BIT Direct Push	LOCATION Brooklyn, NY		
CASING 2" x 5' Stainless Steel	NO. SAMPLES	DIST. —	UNDIST. 5
CASING HAMMER — WEIGHT — DROP —	WATER LEVEL	FIRST 19.5	COMPL. —
SAMPLER 1.5" x 5' Acetate Lined Macrocare	FOREMAN Tim Kelly		
SAMPLER HAMMER — WEIGHT — DROP —	LANGAN REP. Allyson Kritzer		

FILL / NATIVE	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES				REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
			NO. LOC	TYPE	RECOVER	PID (ppm)	
FILL	0-2' brown f-c loose SAND some fg gravel tr silt, c gravel, brick, concrete, asphalt [dry]	1		PUSH	4'	0.0	Begin drilling @ 0820
		2				0.0	LSB-10A 0-2(152) @ 0945
	2'-4' brown f-m dense SAND some concrete, f-c gravel tr c sand, silt [dry]	3		DIRECT		0.0	
		4				0.0	
	0-8" concrete [dry]	5				0.0	
	8"-1' brown f-m dense SAND tr c sand, concrete [dry]	6		PUSH		0.0	
	1'-1'6" concrete [dry]	7				0.0	
	1'6"-3'5" brown f-m dense SAND some c sand tr concrete, brick, glass, wood [dry]	8	2	DIRECT	3'11"	0.0	
		9				0.0	
	3'5"-3'11" wood [moist]	10				0.0	
	0-2' brown f-m med. dense SAND some c sand, concrete, tr silt, brick, wood, fg gravel [dry]	11		PUSH		0.0	
		12				0.0	
	2'-4'5" brown f-m dense SAND some silt, f-c gravel tr c sand, brick, plastic [moist]	13	3	DIRECT	4'5"	0.0	
		14				0.0	

LANGAN

JOB NO. 100688801

LOG OF BORING NO. LSB-10

DATE: 5/9/18

SHEET 2 OF 2

FILL / NATIVE	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES				REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
			NO. LOC	TYPE	RECOV. FT.	PID (ppm)	
FILL	0-2'5" brown f-m dense SAND some C sand, silt, concrete tr f gravel, brick, wood, plastic (moist) 2'5"-2'8" brown/white f-c loose SAND some silt tr f gravel, plastic, wood [wet] 0-1' brown f-m dense SAND some C sand, silt tr plastic, brick, concrete [wet]	14	3	DP	4'5"	00	LSB-10B 15-17 (16-16.5) 0930 19.5-20 → ashy layer Δ
		15				00	
		16				00	
		17				00	
		18	4	Direct Push	2'8"	00	
		19				00	
		20				00	
		21				00	
		22	5	Direct Push	11"	00	
		23				00	
		24				00	
		25				00	
		26				00	refusal at 23' at 0930, well installed at 20' due to fail in. well removed due to not enough Gw.
		27					
		28					
		29					
		30					
		31					
		32					

LANGAN

LOG OF BORING LSB-11

SHEET 1 OF 2

PROJECT Christian Cultural Center		PROJECT NO. 100688801	
LOCATION 12020 Flatlands Avenue Brooklyn, NY		ELEVATION AND DATUM	
DRILLING AGENCY AARCO Environmental Services Corp.		DATE STARTED 5/9/18	DATE FINISHED 5/9/18
DRILLING EQUIPMENT Geoprobe 7822 DT		COMPLETION DEPTH 20'	ROCK DEPTH
SIZE AND TYPE OF BIT Direct Push		LOCATION Brooklyn, NY	
CASING 2" x 5' Stainless Steel	NO. SAMPLES	DIST. —	UNDIST. 4
CASING HAMMER — WEIGHT — DROP —	WATER LEVEL	FIRST 13.5'	COMPL. 13.7'
SAMPLER 1.5" x 5' Acetate Lined Macrocore	FOREMAN Tim Kelly		
SAMPLER HAMMER — WEIGHT — DROP —	LANGAN REP. Allyson Kritzer		

FILL / NATIVE	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES				REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
			NO. LOC	TYPE	RECOVER	PID (ppm)	
FILL	0-2'10" brown f-m med. dense SAND some c sand tr silt, f-c gravel, asphalt, concrete, brick, wood [dry]	1		Direct Push	4'7"	0.0	Begin drilling @ 1420 LSB-11A 0-2(1-1.5) @ 1455
	2'10"-4'7" dark brown f-m dense SAND some c sand tr f-c gravel, silt, brick, concrete, asphalt [dry]	2				0.0	
		3				0.0	
		4				0.0	
	0-1'4" brown f-m loose SAND some c sand tr silt, f gravel, glass, concrete [dry]	5		Direct Push	4'	0.0	LSB-11B 8-10 (9-9.5) at 1450
	1'4"-4' black f-c loose SAND tr f gravel, silt, glass, concrete, asphalt, [dry]	6				0.0	
		7				0.0	
		8				0.0	
	0-6" brown f-m loose SAND tr c sand, conc, brick, f-c gravel [dry]	9		Direct Push	3'7"	0.2	LSB-11C 11.5-13.5 (13-13.5) at 1500
	6"-1'4" concrete [dry]	10				1.1	
	1'4"-2'6" black silty f-m loose SAND tr c sand, brick, glass, f gravel [moist]	11				22.1	
	2'6"-3'7" dark brown / black f-m loose SAND tr c sand, silt, wood [wet]	12				0.1	
		13				0.2	
		14				0.4	

LANGAN

JOB NO. 100688801

LOG OF BORING NO. LSB-11

DATE: 5/9/2018

SHEET 2 OF 2

FILL / NATIVE	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES				REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
			NO. LOC	TYPE	RECOV. FT.	PID (ppm)	
FILL	0-2' same as above w/ concrete, metal [wet] 2'-3' 9" white/black gray m-c loose SAND some f sand & silt, fg gravel, wood, concier, glass, metal [wet]	14	3	DP	3' 7"	0.1	17.5-20' -> ashy layer
		15				0.2	
		16				0.0	
		17				0.1	
		18				0.0	
		19				0.1	
		20				0.2	
		21				0.8	
		22				0.4	
		23				0.2	
		24				0.1	End of boring at 20' at 1445 LMW-6 installed on 5/11/2018 adjacent to LSB-11 to 20' 10' screen, 10' riser
		25				0.1	
		26				0.1	
		27					
		28					
		29					
		30					
		31					
		32					

LANGAN

LOG OF BORING LSB-12

SHEET 1 OF 2

PROJECT	Christian Cultural Center			PROJECT NO.	100688801		
LOCATION	12020 Flatlands Avenue Brooklyn, NY			ELEVATION AND DATUM			
DRILLING AGENCY	AARCO Environmental Services Corp.			DATE STARTED	5/9/2018	DATE FINISHED	5/9/2018
DRILLING EQUIPMENT	Geoprobe 7822 DT			COMPLETION DEPTH	20'	ROCK DEPTH	—
SIZE AND TYPE OF BIT	Direct Push			LOCATION	Brooklyn, NY		
CASING	2" x 5" Stainless Steel			NO. SAMPLES		DIST.	—
CASING HAMMER	—	WEIGHT	—	WATER LEVEL	FIRST 10'	UNDIST.	4
SAMPLER	1.5" x 5' Acetate Lined Macrocane			COMPL.	—	24 HR	—
SAMPLER HAMMER	—	WEIGHT	—	FOREMAN	Tim Kelly		
				LANGAN REP.	Allyson Kritzer		

FILL / NATIVE	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES				REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
			NO. LOG	TYPE	RECOVER.	PID (ppm)	
	0-3' brown f-m med. dense SAND some c sand tr silt f gravel, wood, brick, concrete, asphalt, rubber [dry]	1		Direct Push	4'	0.0	Begin drilling @ 0748
		2				0.0	LSB-12A 0-2 (1-1.5) collected at 0800
	3'-4' concrete [dry]	3				0.0	
		4				0.0	
		5				0.0	
	0-3' 7" brown f-m med. dense SAND some c sand tr silt, f gravel, concrete, wood, brick, glass, porcelain [dry]	6				0.0	
		7				0.0	
		8				0.0	- refusal @ 7' offset attempted and new 5'-10' interval obtained
		9				0.0	
	0-2' brown/white m-c med. dense SAND some f sand tr f-c gravel, asphalt, plastic, wood, slag [moist]	10				0.0	10-13 → ashy layer
		11				0.0	
		12				0.0	
	2'-3' 6" brown f-m med. dense SAND trc sand, f gravel, metal, glass, wood [moist]	13				0.0	
		14				0.0	

metal, glass, wood
[moist]

LANGAN

JOB NO. 100688801

LOG OF BORING NO. LSB-12

DATE: 5/9/18

SHEET 2 OF 2

FILL / NATIVE	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES				REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
			NO. LOG	TYPE	RECOV. FT.	PID (ppm)	
FILL	0-2' 5" brown f-m loose SAND some c sand tr glass, fg gravel, plastic, brick, concrete [moist] 2' 5"-3' 11" brown/white m+c loose SAND some f sand tr silt, fg gravel, glass, plastic, slag [wet]	14	3	DP	3' 6"	0.0	LSB-12B 16-18 (16.5-17) at 0825 18-20 → ashy layer End of boring at 20' at 0815
		15				0.0	
		16				0.0	
		17				0.0	
		18	4	Direct Push	3' 11"	0.0	
		19				0.0	
		20				0.0	
		21					
		22					
		23					
		24					
		25					
		26					
		27					
		28					
		29					
		30					
		31					
		32					

LANGAN

LOG OF BORING LSB-13 SHEET 1 OF 2

PROJECT Christian Cultural Center		PROJECT NO. 100688801	
LOCATION 12020 Flatlands Avenue Brooklyn, NY		ELEVATION AND DATUM	
DRILLING AGENCY AARCO Environmental Services Corp.		DATE STARTED 5/9/2018	DATE FINISHED 5/9/2018
DRILLING EQUIPMENT Geoprobe 7822 DT		COMPLETION DEPTH 25'	ROCK DEPTH
SIZE AND TYPE OF BIT Direct Push		LOCATION Brooklyn, NY	
CASING 2" x 5' Stainless steel	NO. SAMPLES	DIST. —	UNDIST. 4
CASING HAMMER — WEIGHT — DROP —	WATER LEVEL	FIRST ~19	COMPL. 18.8
SAMPLER 1.5" x 5' Acetate Lined Macrocane	FOREMAN Tim Kelly		
SAMPLER HAMMER — WEIGHT — DROP —	LANGAN REP. Allyson Kritzer		

FILL / NATIVE	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES				REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
			NO. LOG	TYPE	RECOVER.	PID (ppm)	
FILL	0-2' brown f-m med. dense SAND some c sand tr silt, f.c. gravel, brick, concrete, plastic [dry]	1		Direct Push	4'8"	0.0	Begin drilling @ 1000
						0.0	LSB-13A 0-2 (0.5-1.5) @ 1010
	2'-4'8" dark brown f-m med. dense SAND tr silt, c sand, f gravel, rubber, brick, concrete [dry]	2				0.0	
		3				0.0	
	0-3' same as above	4				0.0	
	3'-4'2" dark brown f-m med. dense SAND some silt tr c sand, f gravel, rubber, brick, concrete, glass [moist]	5				0.0	- methane monitoring point at 5' bsg. Point placed prior to soil boring advancement. See field book for details
		6				0.0	
		7				0.0	
		8				0.0	
		9				0.0	
		10				0.0	
	0-1' dark brown f-m loose SAND some c sand tr f.c. gravel, silt, metal [moist]	11				0.0	
		12				0.0	
		13				0.0	
		14				0.0	

LANGAN

JOB NO. 100688801

LOG OF BORING NO. LSB-13

DATE: 5/9/18

SHEET 2 OF 2

FILL / NATIVE	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES				REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
			NO. LOG	TYPE	RECOV. FT.	PID (ppm)	
FILL	no recovery	14	3	DP	1'	00	- methane spoon wet on arrival
		15				00	
		16					
		17					
		18					
		19					
	0-6" dark brown f-m loose SAND some silt TR C sand TR wood [wet]	20				00	
		21				0.0	
		22				0.0	
		23	4	Direct Push	6"	0.0	
		24				0.0	
		25				0.0	
		26					
		27					
		28					
		29					
		30					EOB @ 1030 LMW-4 installed 10' screen 15' riser No ash layer observed
		31					
		32					

LANGAN

LOG OF BORING LSB-14 SHEET 1 OF 2

PROJECT	Christian Cultural Center			PROJECT NO.	100688801			
LOCATION	12020 Flatlands Avenue Brooklyn, NY			ELEVATION AND DATUM				
DRILLING AGENCY	AARCO Environmental Services Corp.			DATE STARTED	5/8/2018		DATE FINISHED	5/8/2018
DRILLING EQUIPMENT	Geoprobe 7822 DT			COMPLETION DEPTH	20'		ROCK DEPTH	
SIZE AND TYPE OF BIT	Direct Push			LOCATION				Brooklyn, NY
CASING	2" X 4" Stainless Steel			NO. SAMPLES			DIST.	—
CASING HAMMER	— WEIGHT — DROP —			WATER LEVEL	FIRST 16		UNDIST.	5
SAMPLER	1.5" X 4" Acetate Lined Macrocar			COMPL.	—		CORE	—
SAMPLER HAMMER	— WEIGHT — DROP —			FOREMAN	AARCO/Tim Kelly			
				LANGAN REP.	Allyson Kritzer			

FILL / NATIVE	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES				REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
			NO. LOC	TYPE	RECOVER	PID (ppm)	
FILL	0-1'3" light brown f-m loose SAND some silt tr c sand, brick, asphalt, wood, concrete [dry]	1	1	Direct Push	2'11"	0.0	Begin drilling @ 1135
	1'3"-2'11" black/gray m-c loose SAND some f sand, f-c gravel tr silt, glass, concrete, asphalt [dry]	2	1	Direct Push	2'11"	0.0	LSB-14A 0-2 (1.5-2) @ 1225
	0-2'4" brown f-m med. dense SAND some c sand, f-c gravel tr silt, concrete, brick, plastic, glass [dry]	3	2	Direct Push	3'16"	0.0	
	2'4"-2'10" light brown f-m loose SAND tr c sand, f gravel, silt [dry]	4	2	Direct Push	3'16"	0.0	
	2'10"-3'16" black f-c loose SAND some silt tr f-c gravel, brick, glass, concrete [dry]	5	3	Direct Push	3'16"	0.0	
	0-1'10" black/dark brown f-m loose SAND some c sand tr f-c gravel, silt, wood, concrete, rubber, brick [dry]	6	3	Direct Push	3'16"	0.0	
		7	3	Direct Push	3'16"	0.0	
		8	3	Direct Push	3'16"	0.0	
		9	3	Direct Push	3'16"	0.0	
		10	3	Direct Push	3'16"	0.0	
		11	3	Direct Push	3'16"	0.0	
		12	3	Direct Push	3'16"	0.0	
		13	3	Direct Push	3'16"	0.0	
		14	3	Direct Push	3'16"	0.0	

1'10"-3'7" grayish brown f-m loose SAND tr c sand, silt [dry]

LANGAN

JOB NO. 100688801

LOG OF BORING NO. LSB-14

DATE: 5/8/2018

SHEET 2 OF 2

FILL / NATIVE	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES				REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
			NO. LOG	TYPE	RECOV. FT.	PID (ppm)	
FILL	0-10" same as above	14				0.0	13.5'-16' → ashy layer
	10"-2' brown/black	15				0.0	
	f.m loose SAND tr					0.0	
	c sand, f gravel, silt,					0.0	
	wood, brick, glass [dry]	16		Direct Push	3'	0.0	
	2'-3' gray silty f.c.	17				0.0	
	loose SAND tr f					0.0	
	gravel, wood, slag	18				0.0	
	[moist]					0.0	
	0-1'5" dark gray f.m	19				0.0	
NATIVE	loose SAND some					0.0	End of Boring @ 1150 @ 20'
	silt tr f gravel, c	20				0.0	
	sand [wet]					0.0	
	1'5"-2'4" gray/white	21				0.0	
	m-c SAND some f					0.0	
	sand tr f c gravel	22				0.0	
	[wet]					0.0	
		23				0.0	
		24				0.0	
		25				0.0	
		26				0.0	
		27				0.0	
		28				0.0	
		29				0.0	
		30				0.0	
		31				0.0	
		32				0.0	



Engineering and Environmental Services Inc.

LOG OF TEST PIT LTP-5

SHEET 1 OF 1

PROJECT	Christian Cultural Center	PROJECT NO.	100688801
LOCATION	12020 Flatlands Avenue Brooklyn, NY	ELEVATION AND DATUM	
EXCAVATION CONTRACTOR	AARCO Environmental Services Corp./Tim Kelly	DATE	5/7/2018
		COMPLETION DEPTH	6'
EXCAVATION EQUIPMENT	Bobcat E35 Mini Excavator	OBSERVED WATER LEVEL DATA	
		NA	

FILL/ NATIVE	SAMPLE DESCRIPTION	DEPTH SCALE	PID (ppm)	REMARKS
	0-1.5 brown f-m SAND some f-c gravel tr c sand, silt, brick, concrete, porcelain, glass [dry]	1	0.0	Begin excavating at 1100
	1.5-2' concrete [dry]	2	0.0	discontinuous concrete pieces
	2'-6' brown f-m SAND some f-c gravel tr c sand, silt, wood, metal, glass, concrete [dry]	3	0.1	
		4	0.0	
		5	0.0	
		6	0.0	End of pit at 6' bsg at 1115
		7		
		8		
		9		
		10		
		11		
		12		
		13		
		14		
		15		
		16		



Engineering and Environmental Services Inc.

LOG OF TEST PIT LTP-8

SHEET 1 OF 1

PROJECT		Christian Cultural Center		PROJECT NO.		100688801	
LOCATION		12020 Flatlands Avenue Brooklyn, NY		ELEVATION AND DATUM			
EXCAVATION CONTRACTOR		AARCO Environmental Services Corp./Tim Kelly		DATE		5/7/2018	
EXCAVATION EQUIPMENT		Bobcat E35 Mini Excavator		COMPLETION DEPTH		5'	
				OBSERVED WATER LEVEL DATA			
				NA			
FILL/ NATIVE	SAMPLE DESCRIPTION	DEPTH SCALE	PID (ppm)	REMARKS			
FILL	0'-1' light brown f-m SAND some f-c gravel trc sand, silt, brick, conciet, metal, glass, wood [dry]	1	0.0 0.1 0.0 0.0 0.1	Begin excavating at 1305			
		2	0.0 0.1 0.2				
		3	0.1 0.1 0.0 0.1				
		4	0.0 0.1				
		5	0.1				
	1'-3' dark brown f-m SAND some f-c gravel, conciete tr c sand, silt, brick, metal, wire, glass, asphalt [dry]			End of pit at 6' bsg at 1325			
	3'-5' brown f-m SAND some f-c gravel, conciet tr c sand, silt, brick, metal, asphalt, tire, organics [dry]	6					
		7					
		8					
		9					
		10					
		11					
		12					
		13					
		14					
		15					
		16					

PROJECT Christian Cultural Center		PROJECT NUMBER 100688801	
LOCATION 12020 Flatlands Avenue Brooklyn, NY		ELEVATION AND DATUM NA	
DRILLING AGENCY AARCO Environmental Services Corp.		DATE STARTED 5/9/2018	DATE COMPLETED 5/9/2018
DRILLING EQUIPMENT Geoprobe 7822 DT		DRILLER AARCO/Tim Kelly	
SIZE AND TYPE OF BIT 2" Stainless Steel Direct Push		INSPECTOR Allyson Kritzer	
METHOD OF INSTALLATION Direct push to 25' bgs. 10' of 2" 20-slot PVC screen installed. 15' of 2" solid PVC riser installed. Fill pro sand filled until 3' bgs. Bentonite installed to 1' bgs. Riser cut to 0.25' bgs. Manhole installed and secured with concrete.			
METHOD OF WELL DEVELOPMENT Driller used whale pump to pump water until water was sediment free; approximately 5 gallons purged			
TYPE OF CASING Solid PVC	DIAMETER 2"	TYPE OF BACKFILL MATERIAL None	
TYPE OF SCREEN 20-slot PVC	DIAMETER 2"	TYPE OF SEAL MATERIAL Bentonite Chips	
BOREHOLE DIAMETER 2"		TYPE OF FILTER MATERIAL Fill Pro Sand	
TOP OF CASING	ELEVATION ---	Depth 0.25' bgs	
TOP OF SEAL	ELEVATION ---	Depth 1' bgs	
TOP OF FILTER	ELEVATION ---	Depth 3' bgs	
TOP OF SCREEN	ELEVATION ---	Depth 15' bgs	
BOTTOM OF BORING	ELEVATION ---	Depth 25' bgs	
SCREEN LENGTH	10'		
SLOT SIZE	20 slot		
GROUNDWATER ELEVATIONS			
ELEVATION	19' bgs	DATE	5/9/2018
from boring			
ELEVATION	18.8' bgs	DATE	5/9/2018
ELEVATION		DATE	
ELEVATION		DATE	
ELEVATION		DATE	

WELL DETAILS		SOIL CLASSIFICATION	DEPTH
top of casing	0.25' bgs	FILL	0.25' bgs
top of seal	1' bgs		1' bgs
top of filter	3' bgs		3' bgs
top of screen	15' bgs		15' bgs
	25' bgs		25' bgs

PROJECT Christian Cultural Center		PROJECT NUMBER 100688801	
LOCATION 12020 Flatlands Avenue Brooklyn, NY		ELEVATION AND DATUM NA	
DRILLING AGENCY AARCO Environmental Services Corp.		DATE STARTED 5/11/2018	DATE COMPLETED 5/11/2018
DRILLING EQUIPMENT Geoprobe 7822 DT		DRILLER AARCO/Tim Kelly	
SIZE AND TYPE OF BIT 2" Stainless Steel Direct Push		INSPECTOR Allyson Kritzer	
METHOD OF INSTALLATION Direct push to 20' bgs. 10' of 2" 20-slot PVC screen installed. 10' of 2" solid PVC riser installed. Fill pro sand filled until 3' bgs. Bentonite installed to 1' bgs. Riser cut to 0.25' bgs. Manhole installed and secured with concrete.			
METHOD OF WELL DEVELOPMENT Driller used whale pump to pump water until water was sediment free; approximately 5 gallons purged			
TYPE OF CASING Solid PVC	DIAMETER 2"	TYPE OF BACKFILL MATERIAL None	
TYPE OF SCREEN 20-slot PVC	DIAMETER 2"	TYPE OF SEAL MATERIAL Bentonite Chips	
BOREHOLE DIAMETER 2"		TYPE OF FILTER MATERIAL Fill Pro Sand	
TOP OF CASING	ELEVATION ---	Depth 0.25' bgs	
TOP OF SEAL	ELEVATION ---	Depth 1' bgs	
TOP OF FILTER	ELEVATION ---	Depth 3' bgs	
TOP OF SCREEN	ELEVATION ---	Depth 10' bgs	
BOTTOM OF BORING	ELEVATION ---	Depth 20' bgs	
SCREEN LENGTH	10'		
SLOT SIZE	20 slot		
GROUNDWATER ELEVATIONS			
ELEVATION	13.5' bgs	DATE	5/11/2018
from boring			
ELEVATION	13.7' bgs	DATE	5/11/2018
ELEVATION		DATE	
ELEVATION		DATE	
ELEVATION		DATE	

WELL DETAILS		SOIL CLASSIFICATION	DEPTH
top of casing	0.25' bgs	FILL	0.25' bgs
top of seal	1' bgs		1' bgs
top of filter	3' bgs		3' bgs
top of screen	10' bgs		10' bgs
	20' bgs		20' bgs

[illegible]

[illegible]

METHANE MONITORING FIELD DATA SHEET

Site: CCC

Samplers: Allyson Kritzer

Location	LSB-11	LSB-13	LSB-13
Date	5/9/2018	5/9/2018	5/9/2018
Sample Depth (feet bsl)	8	5	15
Additional Tubing Added	NO/ YES - How much	NO/ YES - How much	NO/ YES - How much
Monitoring/Purge Time (Start)	1411	1122	1211
Monitoring/Purge Time (Stop)	1416	1127	1216
Total Monitoring/Purge Time (min)	5	5	5
Time (min):	Methane Readings (%)		
0	0	0	0
0.5	0	0	0
1	0	0	0
1.5	0	0	0
2	0	0	0
2.5	0	0	0
3	0	0	0
3.5	0	0	0
4	0	0	0
4.5	0	0	0
5	0	0	0

LANGAN

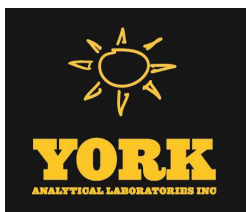
FIGURES

ATTACHMENT A

Field Logs

ATTACHMENT B

Laboratory Analytical Data Packages



Technical Report

prepared for:

Langan Engineering & Environmental Services (NJ)

300 Kimball Drive

Parsipanny NJ, 07054

Attention: Amanda Forsburg

Report Date: 05/17/2018

Client Project ID: 100688801

York Project (SDG) No.: 18E0411

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

Report Date: 05/17/2018
Client Project ID: 100688801
York Project (SDG) No.: 18E0411

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 May 08, 2018 and listed below. The project was identified as your project: **100688801**.

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>
18E0411-04	004/TB-1	Water	05/08/2018	05/08/2018
18E0411-05	005/LSB-15A	Soil	05/08/2018	05/08/2018
18E0411-06	006/LSB-15B	Soil	05/08/2018	05/08/2018
18E0411-07	007/LSB-17A	Soil	05/08/2018	05/08/2018
18E0411-08	008/LSB-17B	Soil	05/08/2018	05/08/2018
18E0411-09	009/LSB-20A	Soil	05/08/2018	05/08/2018
18E0411-10	010/LSB-20B	Soil	05/08/2018	05/08/2018
18E0411-11	011/LSB-18A	Soil	05/08/2018	05/08/2018
18E0411-12	012/LSB-18B	Soil	05/08/2018	05/08/2018
18E0411-13	013/FB-1	Water	05/08/2018	05/08/2018
18E0411-14	014/LSB-16A	Soil	05/08/2018	05/08/2018
18E0411-15	015/DUP-1	Soil	05/08/2018	05/08/2018
18E0411-16	016/LSB-16B	Soil	05/08/2018	05/08/2018
18E0411-17	017/LSB-14A	Soil	05/08/2018	05/08/2018
18E0411-18	018/LSB-14B	Soil	05/08/2018	05/08/2018
18E0411-19	019/LSB-19A	Soil	05/08/2018	05/08/2018
18E0411-20	020/LSB-19B	Soil	05/08/2018	05/08/2018

General Notes for York Project (SDG) No.: 18E0411

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.

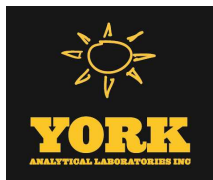
Approved By:



Benjamin Gulizia
Laboratory Director

Date: 05/17/2018





Sample Information

Client Sample ID: 004/TB-1

York Sample ID: 18E0411-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0411

100688801

Water

May 8, 2018 2:00 pm

05/08/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 13:44	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 13:44	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 13:44	SS
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,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 13:44	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 13:44	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 13:44	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 13:44	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/09/2018 13:27	05/09/2018 13:44	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 13:44	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 13:44	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 13:44	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 13:44	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 13:44	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 13:44	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 13:44	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 13:44	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 13:44	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 13:44	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 13:44	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 13:44	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 13:44	SS
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 13:44	SS



Sample Information

Client Sample ID: 004/TB-1

York Sample ID: 18E0411-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0411

100688801

Water

May 8, 2018 2:00 pm

05/08/2018

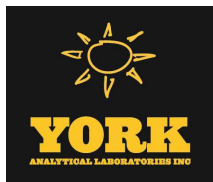
Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 13:44	SS
78-93-3	2-Butanone	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 13:44	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 13:44	SS
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 13:44	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 13:44	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 13:44	SS
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 13:44	SS
107-02-8	Acrolein	ND		ug/L	0.200	4.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 13:44	SS
107-13-1	Acrylonitrile	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 13:44	SS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 13:44	SS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 13:44	SS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 13:44	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 13:44	SS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 13:44	SS
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 13:44	SS
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 13:44	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 13:44	SS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 13:44	SS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 13:44	SS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 13:44	SS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 13:44	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 13:44	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 13:44	SS



Sample Information

Client Sample ID: 004/TB-1

York Sample ID: 18E0411-04

York Project (SDG) No.

18E0411

Client Project ID

100688801

Matrix

Water

Collection Date/Time

May 8, 2018 2:00 pm

Date Received

05/08/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 13:44	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 13:44	SS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 13:44	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 13:44	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 13:44	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 13:44	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 13:44	SS
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 13:44	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 13:44	SS
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 13:44	SS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 13:44	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 13:44	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 13:44	SS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 13:44	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 13:44	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 13:44	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 13:44	SS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 13:44	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 13:44	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 13:44	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 13:44	SS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 13:44	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 13:44	SS



Sample Information

Client Sample ID: 004/TB-1

York Sample ID: 18E0411-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0411

100688801

Water

May 8, 2018 2:00 pm

05/08/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 13:44	SS
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 13:44	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 13:44	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 13:44	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/09/2018 13:27	05/09/2018 13:44	SS
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	98.0 %		70-130							
2037-26-5	Surrogate: Toluene-d8	98.1 %		70-130							
460-00-4	Surrogate: p-Bromofluorobenzene	101 %		70-130							

Sample Information

Client Sample ID: 005/LSB-15A

York Sample ID: 18E0411-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0411

100688801

Soil

May 8, 2018 8:10 am

05/08/2018

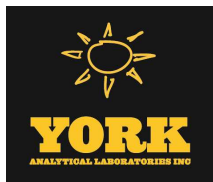
Volatiles, 8260 Comprehensive

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	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 11:07	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS



Sample Information

Client Sample ID: 005/LSB-15A

York Sample ID: 18E0411-05

York Project (SDG) No.

18E0411

Client Project ID

100688801

Matrix

Soil

Collection Date/Time

May 8, 2018 8:10 am

Date Received

05/08/2018

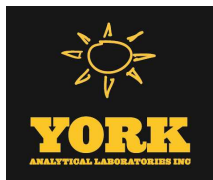
Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 11:07	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:07	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:07	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:07	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:07	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:07	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:07	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:07	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:07	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:07	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:07	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:07	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.049	0.098	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:07	SS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 11:07	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:07	SS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:07	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:07	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:07	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:07	SS
67-64-1	Acetone	0.0078	SCAL- E, J	mg/kg dry	0.0049	0.0098	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:07	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0049	0.0098	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:07	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:07	SS
71-43-2	Benzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:07	SS



Sample Information

Client Sample ID: 005/LSB-15A

York Sample ID: 18E0411-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0411

100688801

Soil

May 8, 2018 8:10 am

05/08/2018

Volatiles, 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
108-86-1	Bromobenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:07	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:07	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:07	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:07	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:07	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:07	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:07	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:07	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:07	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:07	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:07	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:07	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:07	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:07	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:07	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:07	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:07	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:07	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:07	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:07	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:07	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:07	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:07	SS



Sample Information

Client Sample ID: 005/LSB-15A

York Sample ID: 18E0411-05

York Project (SDG) No.
18E0411

Client Project ID
100688801

Matrix
Soil

Collection Date/Time
May 8, 2018 8:10 am

Date Received
05/08/2018

Volatiles, 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
75-09-2	Methylene chloride	0.0094	SCAL- E, J	mg/kg dry	0.0049	0.0098	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0049	0.0098	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
100-42-5	Styrene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0024	0.0098	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
108-88-3	Toluene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:07	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0073	0.015	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 11:07	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	104 %	77-125								
2037-26-5	Surrogate: Toluene-d8	102 %	85-120								
460-00-4	Surrogate: p-Bromofluorobenzene	101 %	76-130								

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

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



Sample Information

Client Sample ID: 005/LSB-15A

York Sample ID: 18E0411-05

York Project (SDG) No.

Client Project ID

Matrix

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18E0411

100688801

Soil

May 8, 2018 8:10 am

05/08/2018

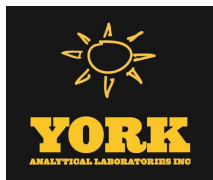
Semivolatiles, 8270 Comprehensive

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	0.0691	J	mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0882	0.176	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0882	0.176	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0882	0.176	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
91-57-6	2-Methylnaphthalene	0.213		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0882	0.176	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR



Sample Information

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Soil

May 8, 2018 8:10 am

05/08/2018

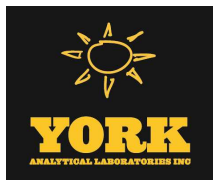
Semivolatiles, 8270 Comprehensive

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	0.0882	0.176	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0882	0.176	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0882	0.176	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0882	0.176	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
83-32-9	Acenaphthene	1.05		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
208-96-8	Acenaphthylene	0.0909		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
62-53-3	Aniline	ND		mg/kg dry	0.177	0.353	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
120-12-7	Anthracene	2.55		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
92-87-5	Benzidine	ND		mg/kg dry	0.177	0.353	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
56-55-3	Benzo(a)anthracene	4.12		mg/kg dry	0.110	0.220	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 03:37	SR
50-32-8	Benzo(a)pyrene	3.63		mg/kg dry	0.110	0.220	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 03:37	SR
205-99-2	Benzo(b)fluoranthene	2.85		mg/kg dry	0.110	0.220	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 03:37	SR
191-24-2	Benzo(g,h,i)perylene	2.30		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
207-08-9	Benzo(k)fluoranthene	2.73		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR



Sample Information

Client Sample ID: 005/LSB-15A

York Sample ID: 18E0411-05

York Project (SDG) No.

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100688801

Soil

May 8, 2018 8:10 am

05/08/2018

Semivolatiles, 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	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
117-81-7	Bis(2-ethylhexyl)phthalate	0.111		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0882	0.176	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
86-74-8	Carbazole	0.578		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
218-01-9	Chrysene	3.59		mg/kg dry	0.110	0.220	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 03:37	SR
53-70-3	Dibenzo(a,h)anthracene	0.729	CCV-E	mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
132-64-9	Dibenzofuran	0.607		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
206-44-0	Fluoranthene	8.52		mg/kg dry	0.442	0.882	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 04:08	SR
86-73-7	Fluorene	1.06		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
193-39-5	Indeno(1,2,3-cd)pyrene	1.99	CCV-E	mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
91-20-3	Naphthalene	0.211		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR



Sample Information

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Soil

May 8, 2018 8:10 am

05/08/2018

Semivolatiles, 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	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
85-01-8	Phenanthrene	9.51		mg/kg dry	0.442	0.882	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 04:08	SR
108-95-2	Phenol	ND		mg/kg dry	0.0442	0.0882	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
129-00-0	Pyrene	10.9	CCV-E	mg/kg dry	0.442	0.882	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 04:08	SR
110-86-1	Pyridine	ND		mg/kg dry	0.177	0.353	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:08	SR
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	30.7 %	20-108								
4165-62-2	Surrogate: Phenol-d5	39.1 %	23-114								
4165-60-0	Surrogate: Nitrobenzene-d5	46.4 %	22-108								
321-60-8	Surrogate: 2-Fluorobiphenyl	38.0 %	21-113								
118-79-6	Surrogate: 2,4,6-Tribromophenol	63.2 %	19-110								
1718-51-0	Surrogate: Terphenyl-d14	45.3 %	24-116								

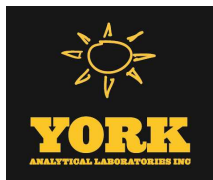
Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:43	SA
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:43	SA
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:43	SA
309-00-2	Aldrin	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:43	SA
319-84-6	alpha-BHC	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:43	SA
5103-71-9	alpha-Chlordane	0.00576		mg/kg dry	0.00174	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/10/2018 13:56	05/14/2018 10:43	SA
319-85-7	beta-BHC	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:43	SA



Sample Information

Client Sample ID: 005/LSB-15A

York Sample ID: 18E0411-05

York Project (SDG) No.

Client Project ID

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100688801

Soil

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05/08/2018

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-74-9	Chlordane, total	ND		mg/kg dry	0.0348	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:43	SA
319-86-8	delta-BHC	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:43	SA
60-57-1	Dieldrin	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:43	SA
959-98-8	Endosulfan I	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:43	SA
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	05/10/2018 13:56	05/14/2018 10:43	SA
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:43	SA
72-20-8	Endrin	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:43	SA
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:43	SA
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:43	SA
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:43	SA
5566-34-7	gamma-Chlordane	0.00453		mg/kg dry	0.00174	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/10/2018 13:56	05/14/2018 10:43	SA
76-44-8	Heptachlor	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:43	SA
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:43	SA
72-43-5	Methoxychlor	ND		mg/kg dry	0.00870	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:43	SA
8001-35-2	Toxaphene	ND		mg/kg dry	0.0881	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:43	SA
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	68.1 %		30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	14.5 %	GC-SC	30-150						

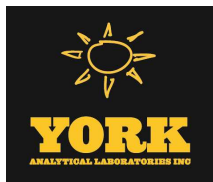
Polychlorinated Biphenyls (PCB), 8082 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 15:34	SA
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 15:34	SA
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 15:34	SA



Sample Information

Client Sample ID: 005/LSB-15A

York Sample ID: 18E0411-05

York Project (SDG) No.

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Polychlorinated Biphenyls (PCB), 8082 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 15:34	SA
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 15:34	SA
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 15:34	SA
11096-82-5	Aroclor 1260	0.208		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 15:34	SA
1336-36-3	* Total PCBs	0.208		mg/kg dry	0.0176	1	EPA 8082A Certifications:	05/10/2018 13:56	05/11/2018 15:34	SA
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	65.3 %		30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	66.5 %		30-120						

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	5250		mg/kg dry	5.30	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:22	KML
7440-36-0	Antimony	ND		mg/kg dry	0.530	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:22	KML
7440-38-2	Arsenic	1.46		mg/kg dry	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:22	KML
7440-39-3	Barium	113		mg/kg dry	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:22	KML
7440-41-7	Beryllium	0.244		mg/kg dry	0.106	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:22	KML
7440-43-9	Cadmium	0.617		mg/kg dry	0.318	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:22	KML
7440-70-2	Calcium	8380		mg/kg dry	5.30	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:22	KML
7440-47-3	Chromium	17.9		mg/kg dry	0.530	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:22	KML
7440-48-4	Cobalt	5.09		mg/kg dry	0.530	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:22	KML
7440-50-8	Copper	70.7		mg/kg dry	0.530	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:22	KML
7439-89-6	Iron	13900		mg/kg dry	2.12	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:22	KML
7439-92-1	Lead	166		mg/kg dry	0.530	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:22	KML



Sample Information

Client Sample ID: 005/LSB-15A

York Sample ID: 18E0411-05

York Project (SDG) No.

18E0411

Client Project ID

100688801

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Soil

Collection Date/Time

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Date Received

05/08/2018

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-95-4	Magnesium	4220		mg/kg dry	5.30	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:22	KML
7439-96-5	Manganese	215		mg/kg dry	0.530	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:22	KML
7440-02-0	Nickel	17.0		mg/kg dry	0.530	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:22	KML
7440-09-7	Potassium	504		mg/kg dry	5.30	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:22	KML
7782-49-2	Selenium	ND		mg/kg dry	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:22	KML
7440-22-4	Silver	ND		mg/kg dry	0.530	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:22	KML
7440-23-5	Sodium	107		mg/kg dry	10.6	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/09/2018 09:42	05/10/2018 12:22	KML
7440-28-0	Thallium	ND		mg/kg dry	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:22	KML
7440-62-2	Vanadium	20.5		mg/kg dry	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:22	KML
7440-66-6	Zinc	203		mg/kg dry	1.59	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:22	KML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.241		mg/kg dry	0.0318	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	05/09/2018 09:29	05/09/2018 11:03	SY

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	94.4		%	0.100	1	SM 2540G Certifications: CTDOH	05/14/2018 14:33	05/14/2018 17:54	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	0.530	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	05/09/2018 10:27	05/09/2018 17:23	TJM



Sample Information

Client Sample ID: 005/LSB-15A

York Sample ID: 18E0411-05

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Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	17.9		mg/kg	0.500	1	Calculation Certifications:	05/15/2018 13:32	05/15/2018 14:57	PAM

Sample Information

Client Sample ID: 006/LSB-15B

York Sample ID: 18E0411-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0411

100688801

Soil

May 8, 2018 8:15 am

05/08/2018

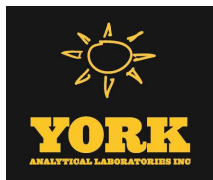
Volatiles, 8260 Comprehensive

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	0.0030	0.0060	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 11:39	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 11:39	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 11:39	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 11:39	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 11:39	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 11:39	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 11:39	SS
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 11:39	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 11:39	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 11:39	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 11:39	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 11:39	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 11:39	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 11:39	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 11:39	SS



Sample Information

Client Sample ID: 006/LSB-15B

York Sample ID: 18E0411-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0411

100688801

Soil

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05/08/2018

Volatiles, 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	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.060	0.12	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 11:39	SS
78-93-3	2-Butanone	0.0074		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
67-64-1	Acetone	0.043	SCAL-E	mg/kg dry	0.0060	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0060	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
71-43-2	Benzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 11:39	SS



Sample Information

Client Sample ID: 006/LSB-15B

York Sample ID: 18E0411-06

York Project (SDG) No.

18E0411

Client Project ID

100688801

Matrix

Soil

Collection Date/Time

May 8, 2018 8:15 am

Date Received

05/08/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 11:39	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 11:39	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 11:39	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 11:39	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 11:39	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 11:39	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 11:39	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 11:39	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 11:39	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 11:39	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 11:39	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 11:39	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 11:39	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 11:39	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 11:39	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 11:39	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 11:39	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0060	0.012	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 11:39	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 11:39	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 11:39	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 11:39	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0060	0.012	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 11:39	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 11:39	SS



Sample Information

Client Sample ID: 006/LSB-15B

York Sample ID: 18E0411-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0411

100688801

Soil

May 8, 2018 8:15 am

05/08/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:39	SS
100-42-5	Styrene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:39	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0030	0.012	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:39	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:39	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:39	SS
108-88-3	Toluene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:39	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:39	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:39	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:39	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:39	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 11:39	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0089	0.018	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 11:39	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	105 %	77-125								
2037-26-5	Surrogate: Toluene-d8	104 %	85-120								
460-00-4	Surrogate: p-Bromofluorobenzene	103 %	76-130								

Semivolatiles, 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	0.0538	0.107	2	EPA 8270D Certifications:	05/10/2018 13:53 NELAC-NY10854,NJDEP,PADEP	05/11/2018 19:38	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.107	0.214	2	EPA 8270D Certifications:	05/10/2018 13:53 NELAC-NY10854,NJDEP,PADEP	05/11/2018 19:38	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 19:38	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications:	05/10/2018 13:53 NELAC-NY10854,PADEP	05/11/2018 19:38	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications:	05/10/2018 13:53 NELAC-NY10854,NJDEP,PADEP	05/11/2018 19:38	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications:	05/10/2018 13:53 NELAC-NY10854,PADEP	05/11/2018 19:38	SR



Sample Information

Client Sample ID: 006/LSB-15B

York Sample ID: 18E0411-06

York Project (SDG) No.

Client Project ID

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Date Received

18E0411

100688801

Soil

May 8, 2018 8:15 am

05/08/2018

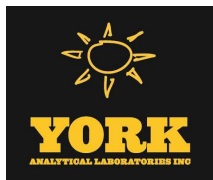
Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.107	0.214	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.107	0.214	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
91-57-6	2-Methylnaphthalene	0.423		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.107	0.214	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.107	0.214	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.107	0.214	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR



Sample Information

Client Sample ID: 006/LSB-15B

York Sample ID: 18E0411-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0411

100688801

Soil

May 8, 2018 8:15 am

05/08/2018

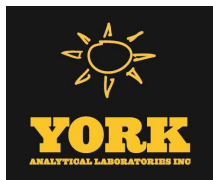
Semivolatiles, 8270 Comprehensive

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
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.107	0.214	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.107	0.214	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
83-32-9	Acenaphthene	0.697		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
208-96-8	Acenaphthylene	0.0652	J	mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
62-53-3	Aniline	ND		mg/kg dry	0.215	0.430	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
120-12-7	Anthracene	0.957		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
92-87-5	Benzidine	ND		mg/kg dry	0.215	0.430	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
56-55-3	Benzo(a)anthracene	1.29		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
50-32-8	Benzo(a)pyrene	1.32		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
205-99-2	Benzo(b)fluoranthene	0.719		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
191-24-2	Benzo(g,h,i)perylene	0.742		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
207-08-9	Benzo(k)fluoranthene	0.818		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
117-81-7	Bis(2-ethylhexyl)phthalate	0.238		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.107	0.214	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR



Sample Information

Client Sample ID: 006/LSB-15B

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100688801

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05/08/2018

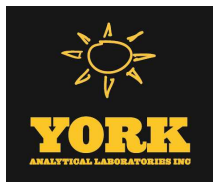
Semivolatiles, 8270 Comprehensive

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
86-74-8	Carbazole	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
218-01-9	Chrysene	1.51		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
53-70-3	Dibenzo(a,h)anthracene	0.234	CCV-E	mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
132-64-9	Dibenzofuran	0.0635	J	mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
206-44-0	Fluoranthene	2.59		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
86-73-7	Fluorene	0.739		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
193-39-5	Indeno(1,2,3-cd)pyrene	0.580	CCV-E	mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
91-20-3	Naphthalene	0.120		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
85-01-8	Phenanthrene	3.96		mg/kg dry	0.134	0.268	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 02:03	SR



Sample Information

Client Sample ID: 006/LSB-15B

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Date Received

05/08/2018

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-95-2	Phenol	ND		mg/kg dry	0.0538	0.107	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
129-00-0	Pyrene	4.58	CCV-E	mg/kg dry	0.134	0.268	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 02:03	SR
110-86-1	Pyridine	ND		mg/kg dry	0.215	0.430	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 19:38	SR
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	39.5 %	20-108								
4165-62-2	Surrogate: Phenol-d5	45.2 %	23-114								
4165-60-0	Surrogate: Nitrobenzene-d5	51.5 %	22-108								
321-60-8	Surrogate: 2-Fluorobiphenyl	45.1 %	21-113								
118-79-6	Surrogate: 2,4,6-Tribromophenol	82.2 %	19-110								
1718-51-0	Surrogate: Terphenyl-d14	53.1 %	24-116								

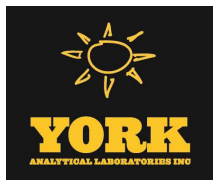
Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:58	SA
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:58	SA
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:58	SA
309-00-2	Aldrin	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:58	SA
319-84-6	alpha-BHC	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:58	SA
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/10/2018 13:56	05/14/2018 10:58	SA
319-85-7	beta-BHC	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:58	SA
57-74-9	Chlordane, total	ND		mg/kg dry	0.0425	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:58	SA
319-86-8	delta-BHC	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:58	SA
60-57-1	Dieldrin	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:58	SA
959-98-8	Endosulfan I	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:58	SA
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	05/10/2018 13:56	05/14/2018 10:58	SA
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:58	SA



Sample Information

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100688801

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May 8, 2018 8:15 am

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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-20-8	Endrin	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:58	SA
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:58	SA
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:58	SA
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:58	SA
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/10/2018 13:56	05/14/2018 10:58	SA
76-44-8	Heptachlor	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:58	SA
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00212	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:58	SA
72-43-5	Methoxychlor	ND		mg/kg dry	0.0106	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:58	SA
8001-35-2	Toxaphene	ND		mg/kg dry	0.107	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 10:58	SA
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	49.7 %		30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	16.4 %	GC-SC u	30-150						

Polychlorinated Biphenyls (PCB), 8082 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0214	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 15:46	SA
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0214	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 15:46	SA
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0214	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 15:46	SA
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0214	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 15:46	SA
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0214	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 15:46	SA
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0214	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 15:46	SA
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0214	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 15:46	SA
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0214	1	EPA 8082A Certifications:	05/10/2018 13:56	05/11/2018 15:46	SA
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	77.2 %		30-120						



Sample Information

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Polychlorinated Biphenyls (PCB), 8082 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2051-24-3	Surrogate: Decachlorobiphenyl	45.0 %			30-120					

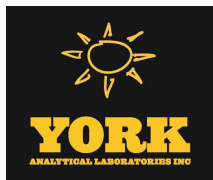
Metals, Target Analyte

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	5630		mg/kg dry	6.44	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:29	KML
7440-36-0	Antimony	0.713		mg/kg dry	0.644	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:29	KML
7440-38-2	Arsenic	3.54		mg/kg dry	1.29	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:29	KML
7440-39-3	Barium	168		mg/kg dry	1.29	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:29	KML
7440-41-7	Beryllium	0.308		mg/kg dry	0.129	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:29	KML
7440-43-9	Cadmium	10.7		mg/kg dry	0.386	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:29	KML
7440-70-2	Calcium	6550		mg/kg dry	6.44	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:29	KML
7440-47-3	Chromium	21.9		mg/kg dry	0.644	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:29	KML
7440-48-4	Cobalt	5.79		mg/kg dry	0.644	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:29	KML
7440-50-8	Copper	63.9		mg/kg dry	0.644	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:29	KML
7439-89-6	Iron	21900		mg/kg dry	2.57	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:29	KML
7439-92-1	Lead	309		mg/kg dry	0.644	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:29	KML
7439-95-4	Magnesium	1560		mg/kg dry	6.44	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:29	KML
7439-96-5	Manganese	192		mg/kg dry	0.644	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:29	KML
7440-02-0	Nickel	15.0		mg/kg dry	0.644	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:29	KML
7440-09-7	Potassium	431		mg/kg dry	6.44	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:29	KML
7782-49-2	Selenium	ND		mg/kg dry	1.29	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:29	KML
7440-22-4	Silver	ND		mg/kg dry	0.644	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:29	KML



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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	130		mg/kg dry	12.9	1	EPA 6010C	05/09/2018 09:42	05/10/2018 12:29	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
7440-28-0	Thallium	ND		mg/kg dry	1.29	1	EPA 6010C	05/09/2018 09:42	05/10/2018 12:29	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-62-2	Vanadium	15.7		mg/kg dry	1.29	1	EPA 6010C	05/09/2018 09:42	05/10/2018 12:29	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-66-6	Zinc	3540		mg/kg dry	1.93	1	EPA 6010C	05/09/2018 09:42	05/10/2018 12:29	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

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	0.213		mg/kg dry	0.0386	1	EPA 7473	05/09/2018 09:29	05/09/2018 11:52	SY
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	77.7		%	0.100	1	SM 2540G	05/14/2018 14:33	05/14/2018 17:54	TAJ
							Certifications: CTDOH			

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	0.644	1	EPA 7196A	05/09/2018 10:27	05/09/2018 17:23	TJM
							Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP			

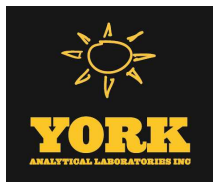
Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	21.9		mg/kg	0.500	1	Calculation	05/15/2018 13:32	05/15/2018 14:57	PAM
							Certifications:			



Sample Information

Client Sample ID: 007/LSB-17A

York Sample ID: 18E0411-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0411

100688801

Soil

May 8, 2018 8:45 am

05/08/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:10	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:10	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:10	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 12:10	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:10	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:10	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:10	SS
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:10	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:10	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 12:10	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:10	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:10	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:10	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:10	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:10	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:10	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:10	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:10	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:10	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:10	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:10	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.051	0.10	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:10	SS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 12:10	SS



Sample Information

Client Sample ID: 007/LSB-17A

York Sample ID: 18E0411-07

York Project (SDG) No.

18E0411

Client Project ID

100688801

Matrix

Soil

Collection Date/Time

May 8, 2018 8:45 am

Date Received

05/08/2018

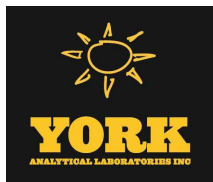
Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-93-3	2-Butanone	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 12:10	SS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 12:10	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 12:10	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 12:10	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 12:10	SS
67-64-1	Acetone	ND		mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 12:10	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 12:10	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 12:10	SS
71-43-2	Benzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 12:10	SS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 12:10	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 12:10	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 12:10	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 12:10	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 12:10	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 12:10	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 12:10	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 12:10	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 12:10	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 12:10	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 12:10	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 12:10	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 12:10	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 12:10	SS



Sample Information

Client Sample ID: 007/LSB-17A

York Sample ID: 18E0411-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0411

100688801

Soil

May 8, 2018 8:45 am

05/08/2018

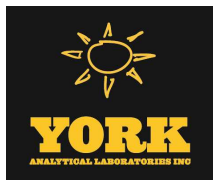
Volatiles, 8260 Comprehensive

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
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:10	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:10	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:10	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:10	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:10	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:10	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:10	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:10	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:10	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:10	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:10	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:10	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:10	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:10	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:10	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:10	SS
100-42-5	Styrene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:10	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0025	0.010	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:10	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:10	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:10	SS
108-88-3	Toluene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:10	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:10	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:10	SS



Sample Information

Client Sample ID: 007/LSB-17A

York Sample ID: 18E0411-07

York Project (SDG) No.
18E0411

Client Project ID
100688801

Matrix
Soil

Collection Date/Time
May 8, 2018 8:45 am

Date Received
05/08/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:10	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:10	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:10	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0076	0.015	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 12:10	SS
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	105 %		77-125							
2037-26-5	Surrogate: Toluene-d8	103 %		85-120							
460-00-4	Surrogate: p-Bromofluorobenzene	103 %		76-130							

Semivolatiles, 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	0.113		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0891	0.178	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0891	0.178	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0891	0.178	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR



Sample Information

Client Sample ID: 007/LSB-17A

York Sample ID: 18E0411-07

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100688801

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May 8, 2018 8:45 am

05/08/2018

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
91-57-6	2-Methylnaphthalene	0.784		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0891	0.178	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0891	0.178	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0891	0.178	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0891	0.178	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0891	0.178	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
83-32-9	Acenaphthene	0.779		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
208-96-8	Acenaphthylene	0.390		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
62-53-3	Aniline	ND		mg/kg dry	0.178	0.357	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
120-12-7	Anthracene	1.64		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR



Sample Information

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May 8, 2018 8:45 am

05/08/2018

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
92-87-5	Benzidine	ND		mg/kg dry	0.178	0.357	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
56-55-3	Benzo(a)anthracene	2.96		mg/kg dry	0.112	0.223	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 02:35	SR
50-32-8	Benzo(a)pyrene	2.81		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
205-99-2	Benzo(b)fluoranthene	1.57		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
191-24-2	Benzo(g,h,i)perylene	1.72		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
207-08-9	Benzo(k)fluoranthene	1.86		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
85-68-7	Benzyl butyl phthalate	0.0456	J	mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
117-81-7	Bis(2-ethylhexyl)phthalate	0.244		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0891	0.178	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
86-74-8	Carbazole	0.0627	J	mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
218-01-9	Chrysene	3.23		mg/kg dry	0.112	0.223	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 02:35	SR
53-70-3	Dibenzo(a,h)anthracene	0.519	CCV-E	mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
132-64-9	Dibenzofuran	0.0976		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR



Sample Information

Client Sample ID: 007/LSB-17A

York Sample ID: 18E0411-07

York Project (SDG) No.

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100688801

Soil

May 8, 2018 8:45 am

05/08/2018

Semivolatiles, 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
206-44-0	Fluoranthene	5.28		mg/kg dry	0.112	0.223	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 02:35	SR
86-73-7	Fluorene	1.25		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
193-39-5	Indeno(1,2,3-cd)pyrene	1.39	CCV-E	mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
91-20-3	Naphthalene	0.234		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
85-01-8	Phenanthrene	8.60		mg/kg dry	0.223	0.446	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 20:39	KH
108-95-2	Phenol	ND		mg/kg dry	0.0447	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
129-00-0	Pyrene	8.38		mg/kg dry	0.223	0.446	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 20:39	KH
110-86-1	Pyridine	ND		mg/kg dry	0.178	0.357	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:09	SR
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	37.9 %	20-108								
4165-62-2	Surrogate: Phenol-d5	44.7 %	23-114								
4165-60-0	Surrogate: Nitrobenzene-d5	47.4 %	22-108								
321-60-8	Surrogate: 2-Fluorobiphenyl	41.4 %	21-113								
118-79-6	Surrogate: 2,4,6-Tribromophenol	67.8 %	19-110								
1718-51-0	Surrogate: Terphenyl-d14	49.3 %	24-116								



Sample Information

Client Sample ID: 007/LSB-17A

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18E0411

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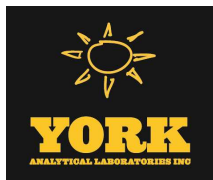
Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:13	SA
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:13	SA
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:13	SA
309-00-2	Aldrin	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:13	SA
319-84-6	alpha-BHC	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:13	SA
5103-71-9	alpha-Chlordane	0.0149		mg/kg dry	0.00176	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/10/2018 13:56	05/14/2018 11:13	SA
319-85-7	beta-BHC	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:13	SA
57-74-9	Chlordane, total	ND		mg/kg dry	0.0352	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:13	SA
319-86-8	delta-BHC	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:13	SA
60-57-1	Dieldrin	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:13	SA
959-98-8	Endosulfan I	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:13	SA
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	05/10/2018 13:56	05/14/2018 11:13	SA
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:13	SA
72-20-8	Endrin	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:13	SA
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:13	SA
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:13	SA
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:13	SA
5566-34-7	gamma-Chlordane	0.0101		mg/kg dry	0.00176	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/10/2018 13:56	05/14/2018 11:13	SA
76-44-8	Heptachlor	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:13	SA
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:13	SA
72-43-5	Methoxychlor	ND		mg/kg dry	0.00881	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:13	SA
8001-35-2	Toxaphene	ND		mg/kg dry	0.0891	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:13	SA
Surrogate Recoveries		Result	Acceptance Range							



Sample Information

Client Sample ID: 007/LSB-17A

York Sample ID: 18E0411-07

York Project (SDG) No.
18E0411

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May 8, 2018 8:45 am

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05/08/2018

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2051-24-3	Surrogate: Decachlorobiphenyl	80.7 %			30-150					
877-09-8	Surrogate: Tetrachloro-m-xylene	26.6 %	GC-SC		30-150					
			u							

Polychlorinated Biphenyls (PCB), 8082 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 15:59	SA
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 15:59	SA
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 15:59	SA
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 15:59	SA
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 15:59	SA
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 15:59	SA
11096-82-5	Aroclor 1260	0.0970		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 15:59	SA
1336-36-3	* Total PCBs	0.0970		mg/kg dry	0.0178	1	EPA 8082A Certifications:	05/10/2018 13:56	05/11/2018 15:59	SA
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	83.2 %			30-120					
2051-24-3	Surrogate: Decachlorobiphenyl	92.8 %			30-120					

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	6120		mg/kg dry	5.34	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:31	KML
7440-36-0	Antimony	1.14		mg/kg dry	0.534	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:31	KML
7440-38-2	Arsenic	ND		mg/kg dry	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:31	KML
7440-39-3	Barium	269		mg/kg dry	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:31	KML
7440-41-7	Beryllium	0.318		mg/kg dry	0.107	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:31	KML



Sample Information

Client Sample ID: 007/LSB-17A

York Sample ID: 18E0411-07

York Project (SDG) No.

18E0411

Client Project ID

100688801

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May 8, 2018 8:45 am

Date Received

05/08/2018

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	2.08		mg/kg dry	0.321	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:31	KML
7440-70-2	Calcium	11200		mg/kg dry	5.34	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:31	KML
7440-47-3	Chromium	25.2		mg/kg dry	0.534	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:31	KML
7440-48-4	Cobalt	7.35		mg/kg dry	0.534	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:31	KML
7440-50-8	Copper	127		mg/kg dry	0.534	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:31	KML
7439-89-6	Iron	42600		mg/kg dry	2.14	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:31	KML
7439-92-1	Lead	431		mg/kg dry	0.534	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:31	KML
7439-95-4	Magnesium	3240		mg/kg dry	5.34	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:31	KML
7439-96-5	Manganese	322		mg/kg dry	0.534	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:31	KML
7440-02-0	Nickel	66.4		mg/kg dry	0.534	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:31	KML
7440-09-7	Potassium	541		mg/kg dry	5.34	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:31	KML
7782-49-2	Selenium	ND		mg/kg dry	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:31	KML
7440-22-4	Silver	ND		mg/kg dry	0.534	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:31	KML
7440-23-5	Sodium	132		mg/kg dry	10.7	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/09/2018 09:42	05/10/2018 12:31	KML
7440-28-0	Thallium	ND		mg/kg dry	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:31	KML
7440-62-2	Vanadium	23.9		mg/kg dry	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:31	KML
7440-66-6	Zinc	635		mg/kg dry	1.60	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:31	KML

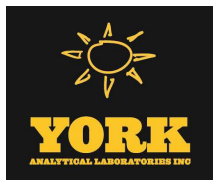
Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.432		mg/kg dry	0.0321	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	05/09/2018 09:29	05/09/2018 12:01	SY



Sample Information

Client Sample ID: 007/LSB-17A

York Sample ID: 18E0411-07

York Project (SDG) No.

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Collection Date/Time

Date Received

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100688801

Soil

May 8, 2018 8:45 am

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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	93.6		%	0.100	1	SM 2540G Certifications: CTDOH	05/14/2018 14:33	05/14/2018 17:54	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	0.855		mg/kg dry	0.534	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	05/09/2018 10:27	05/09/2018 17:23	TJM

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	24.3		mg/kg	0.500	1	Calculation Certifications:	05/15/2018 13:32	05/15/2018 14:57	PAM

Sample Information

Client Sample ID: 008/LSB-17B

York Sample ID: 18E0411-08

York Project (SDG) No.

Client Project ID

Matrix

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Date Received

18E0411

100688801

Soil

May 8, 2018 8:50 am

05/08/2018

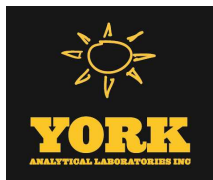
Volatiles, 8260 Comprehensive

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	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 12:42	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS



Sample Information

Client Sample ID: 008/LSB-17B

York Sample ID: 18E0411-08

York Project (SDG) No.

18E0411

Client Project ID

100688801

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Soil

Collection Date/Time

May 8, 2018 8:50 am

Date Received

05/08/2018

Volatiles, 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
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:42	SS
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:42	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:42	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 12:42	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:42	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:42	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:42	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:42	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:42	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:42	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:42	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:42	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:42	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:42	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:42	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.093	0.19	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:42	SS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 12:42	SS
78-93-3	2-Butanone	0.013		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:42	SS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:42	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:42	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:42	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:42	SS
67-64-1	Acetone	0.080	SCAL- E	mg/kg dry	0.0093	0.019	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 12:42	SS



Sample Information

Client Sample ID: 008/LSB-17B

York Sample ID: 18E0411-08

York Project (SDG) No.
18E0411

Client Project ID
100688801

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Collection Date/Time
May 8, 2018 8:50 am

Date Received
05/08/2018

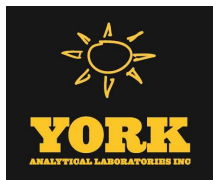
Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-02-8	Acrolein	ND		mg/kg dry	0.0093	0.019	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 12:42	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 12:42	SS
71-43-2	Benzene	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 12:42	SS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 12:42	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 12:42	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 12:42	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 12:42	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 12:42	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 12:42	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 12:42	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 12:42	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 12:42	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 12:42	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 12:42	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 12:42	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 12:42	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 12:42	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 12:42	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 12:42	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 12:42	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 12:42	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 12:42	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 12:42	SS



Sample Information

Client Sample ID: 008/LSB-17B

York Sample ID: 18E0411-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0411

100688801

Soil

May 8, 2018 8:50 am

05/08/2018

Volatiles, 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	0.0046	0.0093	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
75-09-2	Methylene chloride	0.013	SCAL- E, J	mg/kg dry	0.0093	0.019	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0093	0.019	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
100-42-5	Styrene	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0046	0.019	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
108-88-3	Toluene	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 12:42	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.014	0.028	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 12:42	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	103 %	77-125								
2037-26-5	Surrogate: Toluene-d8	102 %	85-120								
460-00-4	Surrogate: p-Bromofluorobenzene	104 %	76-130								



Sample Information

Client Sample ID: 008/LSB-17B

York Sample ID: 18E0411-08

York Project (SDG) No.

Client Project ID

Matrix

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18E0411

100688801

Soil

May 8, 2018 8:50 am

05/08/2018

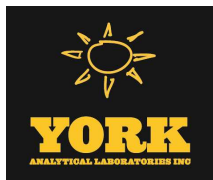
Semivolatiles, 8270 Comprehensive

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	05/10/2018 13:53	05/11/2018 20:41	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	05/10/2018 13:53	05/11/2018 20:41	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	05/10/2018 13:53	05/11/2018 20:41	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 20:41	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	05/10/2018 13:53	05/11/2018 20:41	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.103	0.206	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	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	05/10/2018 13:53	05/11/2018 20:41	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	05/10/2018 13:53	05/11/2018 20:41	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.103	0.206	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.103	0.206	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR



Sample Information

Client Sample ID: 008/LSB-17B

York Sample ID: 18E0411-08

York Project (SDG) No.

18E0411

Client Project ID

100688801

Matrix

Soil

Collection Date/Time

May 8, 2018 8:50 am

Date Received

05/08/2018

Semivolatiles, 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	0.206	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 20:41	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.103	0.206	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 20:41	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 20:41	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 20:41	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 20:41	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 20:41	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.103	0.206	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 20:41	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.103	0.206	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 20:41	SR
83-32-9	Acenaphthene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 20:41	SR
208-96-8	Acenaphthylene	0.0610	J	mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 20:41	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications:	05/10/2018 13:53 NELAC-NY10854,NJDEP,PADEP	05/11/2018 20:41	SR
62-53-3	Aniline	ND		mg/kg dry	0.206	0.413	2	EPA 8270D Certifications:	05/10/2018 13:53 NELAC-NY10854,NJDEP,PADEP	05/11/2018 20:41	SR
120-12-7	Anthracene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 20:41	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications:	05/10/2018 13:53 NELAC-NY10854,NJDEP,PADEP	05/11/2018 20:41	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications:	05/10/2018 13:53 NELAC-NY10854,NJDEP,PADEP	05/11/2018 20:41	SR
92-87-5	Benzidine	ND		mg/kg dry	0.206	0.413	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,PADEP	05/11/2018 20:41	SR
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 20:41	SR
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 20:41	SR
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 20:41	SR
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 20:41	SR
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 20:41	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications:	05/10/2018 13:53 NELAC-NY10854,NJDEP,PADEP	05/11/2018 20:41	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications:	05/10/2018 13:53 NELAC-NY10854,NJDEP,PADEP	05/11/2018 20:41	SR



Sample Information

Client Sample ID: 008/LSB-17B

York Sample ID: 18E0411-08

York Project (SDG) No.
18E0411

Client Project ID
100688801

Matrix
Soil

Collection Date/Time
May 8, 2018 8:50 am

Date Received
05/08/2018

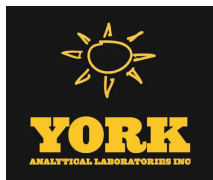
Semivolatiles, 8270 Comprehensive

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	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	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	05/10/2018 13:53	05/11/2018 20:41	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	05/10/2018 13:53	05/11/2018 20:41	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	05/10/2018 13:53	05/11/2018 20:41	SR
117-81-7	Bis(2-ethylhexyl)phthalate	1.09		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.103	0.206	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
86-74-8	Carbazole	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
218-01-9	Chrysene	0.0519	J	mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	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	05/10/2018 13:53	05/11/2018 20:41	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	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	05/10/2018 13:53	05/11/2018 20:41	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	05/10/2018 13:53	05/11/2018 20:41	SR
206-44-0	Fluoranthene	0.0742	J	mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
86-73-7	Fluorene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	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	05/10/2018 13:53	05/11/2018 20:41	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR



Sample Information

Client Sample ID: 008/LSB-17B

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Soil

May 8, 2018 8:50 am

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Semivolatiles, 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	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	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	05/10/2018 13:53	05/11/2018 20:41	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
85-01-8	Phenanthrene	0.0610	J	mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
108-95-2	Phenol	ND		mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
129-00-0	Pyrene	0.0948	J	mg/kg dry	0.0517	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
110-86-1	Pyridine	ND		mg/kg dry	0.206	0.413	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 20:41	SR
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: 2-Fluorophenol	44.2 %									
4165-62-2	Surrogate: Phenol-d5	49.2 %									
4165-60-0	Surrogate: Nitrobenzene-d5	60.9 %									
321-60-8	Surrogate: 2-Fluorobiphenyl	47.3 %									
118-79-6	Surrogate: 2,4,6-Tribromophenol	91.7 %									
1718-51-0	Surrogate: Terphenyl-d14	59.6 %									

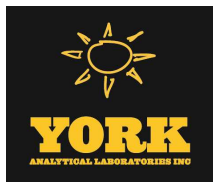
Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00205	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:05	SA
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00205	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:05	SA
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00205	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:05	SA
309-00-2	Aldrin	ND		mg/kg dry	0.00205	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:05	SA
319-84-6	alpha-BHC	ND		mg/kg dry	0.00205	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:05	SA
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00205	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/10/2018 13:56	05/11/2018 17:05	SA
319-85-7	beta-BHC	ND		mg/kg dry	0.00205	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:05	SA



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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-74-9	Chlordane, total	ND		mg/kg dry	0.0409	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:05	SA
319-86-8	delta-BHC	ND		mg/kg dry	0.00205	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:05	SA
60-57-1	Dieldrin	ND		mg/kg dry	0.00205	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:05	SA
959-98-8	Endosulfan I	ND		mg/kg dry	0.00205	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:05	SA
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00205	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	05/10/2018 13:56	05/11/2018 17:05	SA
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00205	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:05	SA
72-20-8	Endrin	ND		mg/kg dry	0.00205	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:05	SA
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00205	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:05	SA
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00205	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:05	SA
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00205	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:05	SA
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00205	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/10/2018 13:56	05/11/2018 17:05	SA
76-44-8	Heptachlor	ND		mg/kg dry	0.00205	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:05	SA
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00205	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:05	SA
72-43-5	Methoxychlor	ND		mg/kg dry	0.0102	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:05	SA
8001-35-2	Toxaphene	ND		mg/kg dry	0.104	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:05	SA
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	74.5 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	80.8 %	30-150							

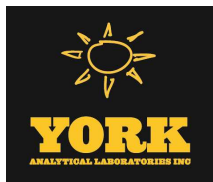
Polychlorinated Biphenyls (PCB), 8082 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0207	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:12	SA
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0207	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:12	SA
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0207	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:12	SA



Sample Information

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Polychlorinated Biphenyls (PCB), 8082 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0207	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:12	SA
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0207	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:12	SA
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0207	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:12	SA
11096-82-5	Aroclor 1260	0.0342		mg/kg dry	0.0207	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:12	SA
1336-36-3	* Total PCBs	0.0342		mg/kg dry	0.0207	1	EPA 8082A Certifications:	05/10/2018 13:56	05/11/2018 16:12	SA
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	93.6 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	60.3 %	30-120							

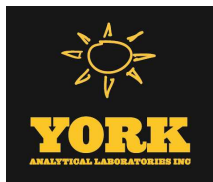
Metals, Target Analyte

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	3600		mg/kg dry	6.22	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:33	KML
7440-36-0	Antimony	0.651		mg/kg dry	0.622	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:33	KML
7440-38-2	Arsenic	5.94		mg/kg dry	1.24	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:33	KML
7440-39-3	Barium	10400		mg/kg dry	1.24	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:33	KML
7440-41-7	Beryllium	0.389		mg/kg dry	0.124	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:33	KML
7440-43-9	Cadmium	4.68		mg/kg dry	0.373	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:33	KML
7440-70-2	Calcium	4960		mg/kg dry	6.22	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:33	KML
7440-47-3	Chromium	13.2		mg/kg dry	0.622	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:33	KML
7440-48-4	Cobalt	14.8		mg/kg dry	0.622	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:33	KML
7440-50-8	Copper	40.8		mg/kg dry	0.622	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:33	KML
7439-89-6	Iron	5830		mg/kg dry	2.49	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:33	KML
7439-92-1	Lead	566		mg/kg dry	0.622	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:33	KML



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Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-95-4	Magnesium	489		mg/kg dry	6.22	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:33	KML
7439-96-5	Manganese	75.2		mg/kg dry	0.622	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:33	KML
7440-02-0	Nickel	9.49		mg/kg dry	0.622	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:33	KML
7440-09-7	Potassium	511		mg/kg dry	6.22	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:33	KML
7782-49-2	Selenium	ND		mg/kg dry	1.24	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:33	KML
7440-22-4	Silver	ND		mg/kg dry	0.622	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:33	KML
7440-23-5	Sodium	166		mg/kg dry	12.4	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/09/2018 09:42	05/10/2018 12:33	KML
7440-28-0	Thallium	ND		mg/kg dry	1.24	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:33	KML
7440-62-2	Vanadium	19.3		mg/kg dry	1.24	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:33	KML
7440-66-6	Zinc	9280		mg/kg dry	18.7	10	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/15/2018 12:57	KML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.0951		mg/kg dry	0.0373	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	05/09/2018 09:29	05/09/2018 12:10	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	80.4		%	0.100	1	SM 2540G Certifications: CTDOH	05/14/2018 14:33	05/14/2018 17:54	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	0.622	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	05/09/2018 10:27	05/09/2018 17:23	TJM



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18E0411

100688801

Soil

May 8, 2018 8:50 am

05/08/2018

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	13.2		mg/kg	0.500	1	Calculation Certifications:	05/15/2018 13:32	05/15/2018 14:57	PAM

Sample Information

Client Sample ID: 009/LSB-20A

York Sample ID: 18E0411-09

York Project (SDG) No.

Client Project ID

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Collection Date/Time

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18E0411

100688801

Soil

May 8, 2018 9:05 am

05/08/2018

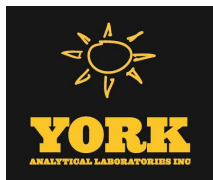
Volatiles, 8260 Comprehensive

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:	05/11/2018 07:30	05/11/2018 13:14	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:14	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:14	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:	05/11/2018 07:30	05/11/2018 13:14	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:14	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:14	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:14	SS
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:14	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:14	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:14	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:14	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:14	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:14	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:14	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:14	SS



Sample Information

Client Sample ID: 009/LSB-20A

York Sample ID: 18E0411-09

York Project (SDG) No.

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Soil

May 8, 2018 9:05 am

05/08/2018

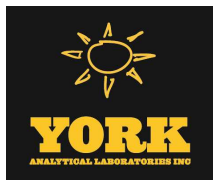
Volatiles, 8260 Comprehensive

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	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:14	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:14	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:14	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:14	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:14	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:14	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.051	0.10	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:14	SS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:14	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:14	SS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:14	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:14	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:14	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:14	SS
67-64-1	Acetone	0.014	SCAL-E	mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:14	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:14	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:14	SS
71-43-2	Benzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:14	SS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:14	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:14	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:14	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:14	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:14	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:14	SS



Sample Information

Client Sample ID: 009/LSB-20A

York Sample ID: 18E0411-09

York Project (SDG) No.
18E0411

Client Project ID
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May 8, 2018 9:05 am

Date Received
05/08/2018

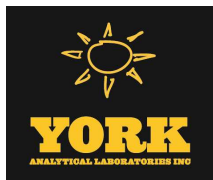
Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 13:14	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 13:14	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 13:14	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 13:14	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 13:14	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 13:14	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 13:14	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 13:14	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 13:14	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 13:14	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 13:14	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 13:14	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 13:14	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 13:14	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 13:14	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 13:14	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 13:14	SS
75-09-2	Methylene chloride	0.0075	SCAL- E, J	mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 13:14	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 13:14	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 13:14	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 13:14	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 13:14	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 13:14	SS



Sample Information

Client Sample ID: 009/LSB-20A

York Sample ID: 18E0411-09

York Project (SDG) No.

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May 8, 2018 9:05 am

05/08/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 13:14	SS
100-42-5	Styrene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 13:14	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0026	0.010	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 13:14	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 13:14	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 13:14	SS
108-88-3	Toluene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 13:14	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 13:14	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 13:14	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 13:14	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 13:14	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 13:14	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0077	0.015	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 13:14	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	104 %	77-125								
2037-26-5	Surrogate: Toluene-d8	102 %	85-120								
460-00-4	Surrogate: p-Bromofluorobenzene	102 %	76-130								

Semivolatiles, 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	0.0448	0.0894	2	EPA 8270D Certifications:	05/10/2018 13:53 NELAC-NY10854,NJDEP,PADEP	05/11/2018 21:12	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0894	0.179	2	EPA 8270D Certifications:	05/10/2018 13:53 NELAC-NY10854,NJDEP,PADEP	05/11/2018 21:12	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 21:12	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications:	05/10/2018 13:53 NELAC-NY10854,PADEP	05/11/2018 21:12	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications:	05/10/2018 13:53 NELAC-NY10854,NJDEP,PADEP	05/11/2018 21:12	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications:	05/10/2018 13:53 NELAC-NY10854,PADEP	05/11/2018 21:12	SR



Sample Information

Client Sample ID: 009/LSB-20A

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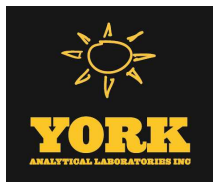
Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0894	0.179	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0894	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0894	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0894	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0894	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR



Sample Information

Client Sample ID: 009/LSB-20A

York Sample ID: 18E0411-09

York Project (SDG) No.

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100688801

Soil

May 8, 2018 9:05 am

05/08/2018

Semivolatiles, 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
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0894	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0894	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
83-32-9	Acenaphthene	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
208-96-8	Acenaphthylene	0.0879	J	mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
62-53-3	Aniline	ND		mg/kg dry	0.179	0.358	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
120-12-7	Anthracene	0.132		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
92-87-5	Benzidine	ND		mg/kg dry	0.179	0.358	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
56-55-3	Benzo(a)anthracene	0.565		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
50-32-8	Benzo(a)pyrene	0.588		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
205-99-2	Benzo(b)fluoranthene	0.473		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
191-24-2	Benzo(g,h,i)perylene	0.433		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
207-08-9	Benzo(k)fluoranthene	0.468		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
117-81-7	Bis(2-ethylhexyl)phthalate	0.112		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0894	0.179	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR



Sample Information

Client Sample ID: 009/LSB-20A

York Sample ID: 18E0411-09

York Project (SDG) No.

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Semivolatiles, 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
86-74-8	Carbazole	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
218-01-9	Chrysene	0.521		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
53-70-3	Dibenzo(a,h)anthracene	0.127	CCV-E	mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
206-44-0	Fluoranthene	0.786		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
86-73-7	Fluorene	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
193-39-5	Indeno(1,2,3-cd)pyrene	0.342	CCV-E	mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
85-01-8	Phenanthrene	0.358		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR



Sample Information

Client Sample ID: 009/LSB-20A

York Sample ID: 18E0411-09

York Project (SDG) No.
18E0411

Client Project ID
100688801

Matrix
Soil

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May 8, 2018 9:05 am

Date Received
05/08/2018

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-95-2	Phenol	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
129-00-0	Pyrene	0.949		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
110-86-1	Pyridine	ND		mg/kg dry	0.179	0.358	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:12	SR
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: 2-Fluorophenol	36.3 %									
4165-62-2	Surrogate: Phenol-d5	42.9 %									
4165-60-0	Surrogate: Nitrobenzene-d5	43.6 %									
321-60-8	Surrogate: 2-Fluorobiphenyl	39.6 %									
118-79-6	Surrogate: 2,4,6-Tribromophenol	70.0 %									
1718-51-0	Surrogate: Terphenyl-d14	51.6 %									

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:28	SA
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:28	SA
50-29-3	4,4'-DDT	0.0112		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:28	SA
309-00-2	Aldrin	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:28	SA
319-84-6	alpha-BHC	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:28	SA
5103-71-9	alpha-Chlordane	0.0639		mg/kg dry	0.00177	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/10/2018 13:56	05/14/2018 11:28	SA
319-85-7	beta-BHC	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:28	SA
57-74-9	Chlordane, total	0.102		mg/kg dry	0.0354	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:28	SA
319-86-8	delta-BHC	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:28	SA
60-57-1	Dieldrin	0.00434		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:28	SA
959-98-8	Endosulfan I	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:28	SA
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	05/10/2018 13:56	05/14/2018 11:28	SA
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:28	SA



Sample Information

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100688801

Soil

May 8, 2018 9:05 am

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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-20-8	Endrin	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:28	SA
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:28	SA
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:28	SA
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:28	SA
5566-34-7	gamma-Chlordane	0.0384		mg/kg dry	0.00177	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/10/2018 13:56	05/14/2018 11:28	SA
76-44-8	Heptachlor	0.00862		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:28	SA
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:28	SA
72-43-5	Methoxychlor	ND		mg/kg dry	0.00886	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:28	SA
8001-35-2	Toxaphene	ND		mg/kg dry	0.0897	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 11:28	SA
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	75.9 %								
877-09-8	Surrogate: Tetrachloro-m-xylene	29.2 %	GC-SC u							

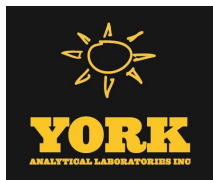
Polychlorinated Biphenyls (PCB), 8082 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:24	SA
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:24	SA
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:24	SA
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:24	SA
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:24	SA
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:24	SA
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:24	SA
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications:	05/10/2018 13:56	05/11/2018 16:24	SA
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	93.6 %								



Sample Information

Client Sample ID: 009/LSB-20A

York Sample ID: 18E0411-09

York Project (SDG) No.

Client Project ID

Matrix

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Date Received

18E0411

100688801

Soil

May 8, 2018 9:05 am

05/08/2018

Polychlorinated Biphenyls (PCB), 8082 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2051-24-3	Surrogate: Decachlorobiphenyl	57.9 %			30-120					

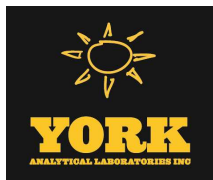
Metals, Target Analyte

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	6690		mg/kg dry	5.40	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:36	KML
7440-36-0	Antimony	ND		mg/kg dry	0.540	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:36	KML
7440-38-2	Arsenic	4.82		mg/kg dry	1.08	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:36	KML
7440-39-3	Barium	101		mg/kg dry	1.08	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:36	KML
7440-41-7	Beryllium	0.249		mg/kg dry	0.108	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:36	KML
7440-43-9	Cadmium	0.431		mg/kg dry	0.324	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:36	KML
7440-70-2	Calcium	32400		mg/kg dry	5.40	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:36	KML
7440-47-3	Chromium	17.3		mg/kg dry	0.540	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:36	KML
7440-48-4	Cobalt	5.54		mg/kg dry	0.540	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:36	KML
7440-50-8	Copper	34.6		mg/kg dry	0.540	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:36	KML
7439-89-6	Iron	11300		mg/kg dry	2.16	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:36	KML
7439-92-1	Lead	130		mg/kg dry	0.540	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:36	KML
7439-95-4	Magnesium	6970		mg/kg dry	5.40	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:36	KML
7439-96-5	Manganese	201		mg/kg dry	0.540	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:36	KML
7440-02-0	Nickel	20.0		mg/kg dry	0.540	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:36	KML
7440-09-7	Potassium	864		mg/kg dry	5.40	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:36	KML
7782-49-2	Selenium	ND		mg/kg dry	1.08	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:36	KML
7440-22-4	Silver	ND		mg/kg dry	0.540	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:36	KML



Sample Information

Client Sample ID: 009/LSB-20A

York Sample ID: 18E0411-09

York Project (SDG) No.

18E0411

Client Project ID

100688801

Matrix

Soil

Collection Date/Time

May 8, 2018 9:05 am

Date Received

05/08/2018

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	189		mg/kg dry	10.8	1	EPA 6010C	05/09/2018 09:42	05/10/2018 12:36	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-28-0	Thallium	ND		mg/kg dry	1.08	1	EPA 6010C	05/09/2018 09:42	05/10/2018 12:36	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	Vanadium	19.9		mg/kg dry	1.08	1	EPA 6010C	05/09/2018 09:42	05/10/2018 12:36	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	Zinc	135		mg/kg dry	1.62	1	EPA 6010C	05/09/2018 09:42	05/10/2018 12:36	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

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	0.183		mg/kg dry	0.0324	1	EPA 7473	05/09/2018 09:29	05/09/2018 12:18	SY
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	92.7		%	0.100	1	SM 2540G	05/14/2018 14:33	05/14/2018 17:54	TAJ
							Certifications:	CTDOH		

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	0.540	1	EPA 7196A	05/09/2018 10:27	05/09/2018 17:23	TJM
							Certifications:	NJDEP,CTDOH,NELAC-NY10854,PADEP		

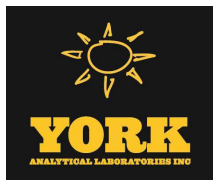
Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	17.3		mg/kg	0.500	1	Calculation	05/15/2018 13:32	05/15/2018 14:57	PAM
							Certifications:			



Sample Information

Client Sample ID: 010/LSB-20B

York Sample ID: 18E0411-10

York Project (SDG) No.

Client Project ID

Matrix

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18E0411

100688801

Soil

May 8, 2018 9:20 am

05/08/2018

Volatiles, 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	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 13:45	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 13:45	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.068	0.14	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 13:45	SS



Sample Information

Client Sample ID: 010/LSB-20B

York Sample ID: 18E0411-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0411

100688801

Soil

May 8, 2018 9:20 am

05/08/2018

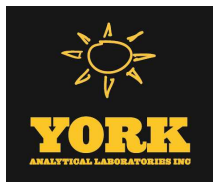
Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-93-3	2-Butanone	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:45	SS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:45	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:45	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:45	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:45	SS
67-64-1	Acetone	0.0096	SCAL- E, J	mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:45	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:45	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:45	SS
71-43-2	Benzene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:45	SS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:45	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:45	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:45	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:45	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:45	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:45	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:45	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:45	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:45	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:45	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:45	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:45	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:45	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 13:45	SS



Sample Information

Client Sample ID: 010/LSB-20B

York Sample ID: 18E0411-10

York Project (SDG) No.

18E0411

Client Project ID

100688801

Matrix

Soil

Collection Date/Time

May 8, 2018 9:20 am

Date Received

05/08/2018

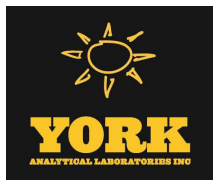
Volatiles, 8260 Comprehensive

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
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
100-42-5	Styrene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0034	0.014	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
108-88-3	Toluene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS



Sample Information

Client Sample ID: 010/LSB-20B

York Sample ID: 18E0411-10

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May 8, 2018 9:20 am

05/08/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 13:45	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.010	0.020	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 13:45	SS
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	103 %		77-125							
2037-26-5	Surrogate: Toluene-d8	103 %		85-120							
460-00-4	Surrogate: p-Bromofluorobenzene	103 %		76-130							

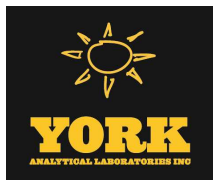
Semivolatiles, 8270 Comprehensive

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	0.0496	0.0990	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0990	0.198	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0990	0.198	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0990	0.198	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR



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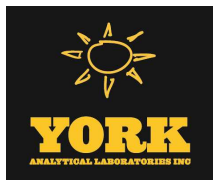
Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 21:42	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 21:42	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 21:42	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 21:42	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 21:42	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0990	0.198	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 21:42	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 21:42	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 21:42	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications:	05/10/2018 13:53 NELAC-NY10854,NJDEP,PADEP	05/11/2018 21:42	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0990	0.198	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 21:42	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0990	0.198	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 21:42	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 21:42	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 21:42	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 21:42	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 21:42	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0990	0.198	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 21:42	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0990	0.198	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 21:42	SR
83-32-9	Acenaphthene	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 21:42	SR
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 21:42	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications:	05/10/2018 13:53 NELAC-NY10854,NJDEP,PADEP	05/11/2018 21:42	SR
62-53-3	Aniline	ND		mg/kg dry	0.198	0.396	2	EPA 8270D Certifications:	05/10/2018 13:53 NELAC-NY10854,NJDEP,PADEP	05/11/2018 21:42	SR
120-12-7	Anthracene	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 21:42	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications:	05/10/2018 13:53 NELAC-NY10854,NJDEP,PADEP	05/11/2018 21:42	SR



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Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
92-87-5	Benzidine	ND		mg/kg dry	0.198	0.396	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
56-55-3	Benzo(a)anthracene	0.122		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
50-32-8	Benzo(a)pyrene	0.112		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
205-99-2	Benzo(b)fluoranthene	0.0973	J	mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
191-24-2	Benzo(g,h,i)perylene	0.0878	J	mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
207-08-9	Benzo(k)fluoranthene	0.0933	J	mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
117-81-7	Bis(2-ethylhexyl)phthalate	0.0704	J	mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0990	0.198	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
86-74-8	Carbazole	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
218-01-9	Chrysene	0.108		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR



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05/08/2018

Semivolatiles, 8270 Comprehensive

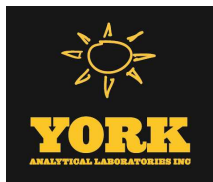
Log-in Notes:

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
206-44-0	Fluoranthene	0.183		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
86-73-7	Fluorene	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
193-39-5	Indeno(1,2,3-cd)pyrene	0.0696	CCV-E, J	mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
85-01-8	Phenanthrene	0.128		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
108-95-2	Phenol	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
129-00-0	Pyrene	0.221		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR
110-86-1	Pyridine	ND		mg/kg dry	0.198	0.396	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 21:42	SR

Surrogate Recoveries		Result	Acceptance Range
367-12-4	Surrogate: 2-Fluorophenol	50.3 %	20-108
4165-62-2	Surrogate: Phenol-d5	56.2 %	23-114
4165-60-0	Surrogate: Nitrobenzene-d5	62.0 %	22-108
321-60-8	Surrogate: 2-Fluorobiphenyl	50.2 %	21-113
118-79-6	Surrogate: 2,4,6-Tribromophenol	88.1 %	19-110
1718-51-0	Surrogate: Terphenyl-d14	58.4 %	24-116



Sample Information

Client Sample ID: 010/LSB-20B

York Sample ID: 18E0411-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0411

100688801

Soil

May 8, 2018 9:20 am

05/08/2018

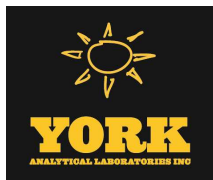
Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:50	SA
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:50	SA
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:50	SA
309-00-2	Aldrin	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:50	SA
319-84-6	alpha-BHC	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:50	SA
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/10/2018 13:56	05/11/2018 16:50	SA
319-85-7	beta-BHC	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:50	SA
57-74-9	Chlordane, total	ND		mg/kg dry	0.0391	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:50	SA
319-86-8	delta-BHC	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:50	SA
60-57-1	Dieldrin	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:50	SA
959-98-8	Endosulfan I	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:50	SA
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	05/10/2018 13:56	05/11/2018 16:50	SA
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:50	SA
72-20-8	Endrin	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:50	SA
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:50	SA
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:50	SA
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:50	SA
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/10/2018 13:56	05/11/2018 16:50	SA
76-44-8	Heptachlor	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:50	SA
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00196	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:50	SA
72-43-5	Methoxychlor	ND		mg/kg dry	0.00978	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:50	SA
8001-35-2	Toxaphene	ND		mg/kg dry	0.0990	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:50	SA
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	84.9 %	30-150							



Sample Information

Client Sample ID: 010/LSB-20B

York Sample ID: 18E0411-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0411

100688801

Soil

May 8, 2018 9:20 am

05/08/2018

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
877-09-8	Surrogate: Tetrachloro-m-xylene	92.4 %			30-150					

Polychlorinated Biphenyls (PCB), 8082 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0198	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:37	SA
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0198	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:37	SA
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0198	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:37	SA
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0198	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:37	SA
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0198	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:37	SA
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0198	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:37	SA
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0198	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:37	SA
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0198	1	EPA 8082A Certifications:	05/10/2018 13:56	05/11/2018 16:37	SA

Surrogate Recoveries

Result

Acceptance Range

877-09-8	Surrogate: Tetrachloro-m-xylene	97.0 %	30-120
2051-24-3	Surrogate: Decachlorobiphenyl	61.2 %	30-120

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	2730		mg/kg dry	5.96	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:37	KML
7440-36-0	Antimony	0.934		mg/kg dry	0.596	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:37	KML
7440-38-2	Arsenic	ND		mg/kg dry	1.19	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:37	KML
7440-39-3	Barium	330		mg/kg dry	1.19	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:37	KML
7440-41-7	Beryllium	0.309		mg/kg dry	0.119	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:37	KML
7440-43-9	Cadmium	1.51		mg/kg dry	0.358	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:37	KML



Sample Information

Client Sample ID: 010/LSB-20B

York Sample ID: 18E0411-10

York Project (SDG) No.
18E0411

Client Project ID
100688801

Matrix
Soil

Collection Date/Time
May 8, 2018 9:20 am

Date Received
05/08/2018

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-70-2	Calcium	4370		mg/kg dry	5.96	1	EPA 6010C	05/09/2018 09:42	05/10/2018 12:37	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	Chromium	74.6		mg/kg dry	0.596	1	EPA 6010C	05/09/2018 09:42	05/10/2018 12:37	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	Cobalt	22.2		mg/kg dry	0.596	1	EPA 6010C	05/09/2018 09:42	05/10/2018 12:37	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	Copper	319		mg/kg dry	0.596	1	EPA 6010C	05/09/2018 09:42	05/10/2018 12:37	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	Iron	86300		mg/kg dry	2.38	1	EPA 6010C	05/09/2018 09:42	05/10/2018 12:37	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	Lead	543		mg/kg dry	0.596	1	EPA 6010C	05/09/2018 09:42	05/10/2018 12:37	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	Magnesium	562		mg/kg dry	5.96	1	EPA 6010C	05/09/2018 09:42	05/10/2018 12:37	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	Manganese	405		mg/kg dry	0.596	1	EPA 6010C	05/09/2018 09:42	05/10/2018 12:37	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	Nickel	52.7		mg/kg dry	0.596	1	EPA 6010C	05/09/2018 09:42	05/10/2018 12:37	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	Potassium	276		mg/kg dry	5.96	1	EPA 6010C	05/09/2018 09:42	05/10/2018 12:37	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	1.19	1	EPA 6010C	05/09/2018 09:42	05/10/2018 12:37	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	1.75		mg/kg dry	0.596	1	EPA 6010C	05/09/2018 09:42	05/10/2018 12:37	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	Sodium	106		mg/kg dry	11.9	1	EPA 6010C	05/09/2018 09:42	05/10/2018 12:37	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-28-0	Thallium	ND		mg/kg dry	1.19	1	EPA 6010C	05/09/2018 09:42	05/10/2018 12:37	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	Vanadium	17.2		mg/kg dry	1.19	1	EPA 6010C	05/09/2018 09:42	05/10/2018 12:37	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	Zinc	423		mg/kg dry	1.79	1	EPA 6010C	05/09/2018 09:42	05/10/2018 12:37	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

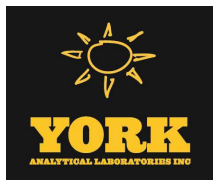
Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	1.53		mg/kg dry	0.0358	1	EPA 7473	05/09/2018 09:29	05/09/2018 12:27	SY
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Total Solids

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: 010/LSB-20B

York Sample ID: 18E0411-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0411

100688801

Soil

May 8, 2018 9:20 am

05/08/2018

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	83.9		%	0.100	1	SM 2540G Certifications: CTDOH	05/14/2018 14:33	05/14/2018 17:54	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	0.596	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	05/09/2018 10:27	05/09/2018 17:23	TJM

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	74.6		mg/kg	0.500	1	Calculation Certifications:	05/15/2018 13:32	05/15/2018 14:57	PAM

Sample Information

Client Sample ID: 011/LSB-18A

York Sample ID: 18E0411-11

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0411

100688801

Soil

May 8, 2018 9:30 am

05/08/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:17	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:17	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:17	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 14:17	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:17	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:17	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:17	SS



Sample Information

Client Sample ID: 011/LSB-18A

York Sample ID: 18E0411-11

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0411

100688801

Soil

May 8, 2018 9:30 am

05/08/2018

Volatiles, 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
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:17	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:17	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 14:17	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:17	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:17	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:17	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:17	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:17	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:17	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:17	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:17	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:17	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:17	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:17	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.049	0.098	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:17	SS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 14:17	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:17	SS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:17	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:17	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:17	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:17	SS
67-64-1	Acetone	ND		mg/kg dry	0.0049	0.0098	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:17	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0049	0.0098	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:17	SS



Sample Information

Client Sample ID: 011/LSB-18A

York Sample ID: 18E0411-11

York Project (SDG) No.

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Matrix

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18E0411

100688801

Soil

May 8, 2018 9:30 am

05/08/2018

Volatiles, 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
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:17	SS
71-43-2	Benzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:17	SS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:17	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:17	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:17	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:17	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:17	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:17	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:17	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:17	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:17	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:17	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:17	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:17	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:17	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:17	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:17	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:17	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:17	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:17	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:17	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:17	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 14:17	SS



Sample Information

Client Sample ID: 011/LSB-18A

York Sample ID: 18E0411-11

York Project (SDG) No.

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100688801

Soil

May 8, 2018 9:30 am

05/08/2018

Volatiles, 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
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:17	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:17	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0049	0.0098	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:17	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:17	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:17	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	05/11/2018 07:30	05/11/2018 14:17	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0049	0.0098	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	05/11/2018 07:30	05/11/2018 14:17	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:17	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:17	SS
100-42-5	Styrene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:17	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0025	0.0098	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:17	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:17	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:17	SS
108-88-3	Toluene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:17	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:17	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:17	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:17	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:17	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:17	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0074	0.015	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 14:17	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	104 %	77-125								
2037-26-5	Surrogate: Toluene-d8	103 %	85-120								
460-00-4	Surrogate: p-Bromofluorobenzene	105 %	76-130								



Sample Information

Client Sample ID: 011/LSB-18A

York Sample ID: 18E0411-11

York Project (SDG) No.
18E0411

Client Project ID
100688801

Matrix
Soil

Collection Date/Time
May 8, 2018 9:30 am

Date Received
05/08/2018

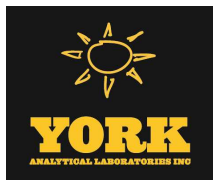
Semivolatiles, 8270 Comprehensive

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	0.0445	0.0888	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0888	0.177	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0888	0.177	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0888	0.177	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0888	0.177	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR



Sample Information

Client Sample ID: 011/LSB-18A

York Sample ID: 18E0411-11

York Project (SDG) No.

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May 8, 2018 9:30 am

05/08/2018

Semivolatiles, 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	0.0888	0.177	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0888	0.177	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0888	0.177	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0888	0.177	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
83-32-9	Acenaphthene	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
208-96-8	Acenaphthylene	0.0696	J	mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
62-53-3	Aniline	ND		mg/kg dry	0.178	0.356	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
120-12-7	Anthracene	0.130		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
92-87-5	Benzidine	ND		mg/kg dry	0.178	0.356	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
56-55-3	Benzo(a)anthracene	0.555		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
50-32-8	Benzo(a)pyrene	0.541		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
205-99-2	Benzo(b)fluoranthene	0.435		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
191-24-2	Benzo(g,h,i)perylene	0.405		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
207-08-9	Benzo(k)fluoranthene	0.445		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR



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05/08/2018

Semivolatiles, 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	0.0469	J	mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
117-81-7	Bis(2-ethylhexyl)phthalate	0.0959		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0888	0.177	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
86-74-8	Carbazole	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
218-01-9	Chrysene	0.557		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
53-70-3	Dibenzo(a,h)anthracene	0.126		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
206-44-0	Fluoranthene	0.925		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
86-73-7	Fluorene	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
193-39-5	Indeno(1,2,3-cd)pyrene	0.334		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR



Sample Information

Client Sample ID: 011/LSB-18A

York Sample ID: 18E0411-11

York Project (SDG) No.

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100688801

Soil

May 8, 2018 9:30 am

05/08/2018

Semivolatiles, 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	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
85-01-8	Phenanthrene	0.486		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
108-95-2	Phenol	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
129-00-0	Pyrene	1.14		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
110-86-1	Pyridine	ND		mg/kg dry	0.178	0.356	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 10:25	SR
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: 2-Fluorophenol	41.4 %									
4165-62-2	Surrogate: Phenol-d5	48.6 %									
4165-60-0	Surrogate: Nitrobenzene-d5	47.4 %									
321-60-8	Surrogate: 2-Fluorobiphenyl	40.9 %									
118-79-6	Surrogate: 2,4,6-Tribromophenol	69.6 %									
1718-51-0	Surrogate: Terphenyl-d14	49.9 %									

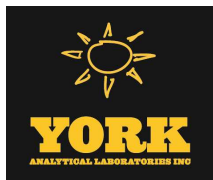
Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:27	SA
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:27	SA
50-29-3	4,4'-DDT	0.0130		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:27	SA
309-00-2	Aldrin	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:27	SA
319-84-6	alpha-BHC	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:27	SA
5103-71-9	alpha-Chlordane	0.0739		mg/kg dry	0.00177	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/10/2018 13:56	05/14/2018 12:27	SA
319-85-7	beta-BHC	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:27	SA



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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-74-9	Chlordane, total	0.113		mg/kg dry	0.0353	5	EPA 8081B	05/10/2018 13:56	05/14/2018 12:27	SA
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-86-8	delta-BHC	ND		mg/kg dry	0.00177	5	EPA 8081B	05/10/2018 13:56	05/14/2018 12:27	SA
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
60-57-1	Dieldrin	0.00695		mg/kg dry	0.00177	5	EPA 8081B	05/10/2018 13:56	05/14/2018 12:27	SA
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
959-98-8	Endosulfan I	ND		mg/kg dry	0.00177	5	EPA 8081B	05/10/2018 13:56	05/14/2018 12:27	SA
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00177	5	EPA 8081B	05/10/2018 13:56	05/14/2018 12:27	SA
							Certifications:	CTDOH,NELAC-NY10854		
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00177	5	EPA 8081B	05/10/2018 13:56	05/14/2018 12:27	SA
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-20-8	Endrin	ND		mg/kg dry	0.00177	5	EPA 8081B	05/10/2018 13:56	05/14/2018 12:27	SA
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00177	5	EPA 8081B	05/10/2018 13:56	05/14/2018 12:27	SA
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00177	5	EPA 8081B	05/10/2018 13:56	05/14/2018 12:27	SA
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00177	5	EPA 8081B	05/10/2018 13:56	05/14/2018 12:27	SA
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5566-34-7	gamma-Chlordane	0.0394		mg/kg dry	0.00177	5	EPA 8081B	05/10/2018 13:56	05/14/2018 12:27	SA
							Certifications:	NELAC-NY10854,NJDEP		
76-44-8	Heptachlor	0.0105		mg/kg dry	0.00177	5	EPA 8081B	05/10/2018 13:56	05/14/2018 12:27	SA
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00177	5	EPA 8081B	05/10/2018 13:56	05/14/2018 12:27	SA
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-43-5	Methoxychlor	ND		mg/kg dry	0.00883	5	EPA 8081B	05/10/2018 13:56	05/14/2018 12:27	SA
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
8001-35-2	Toxaphene	ND		mg/kg dry	0.0894	5	EPA 8081B	05/10/2018 13:56	05/14/2018 12:27	SA
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	72.7 %								
877-09-8	Surrogate: Tetrachloro-m-xylene	23.5 %	GC-SC							
			u							

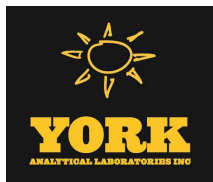
Polychlorinated Biphenyls (PCB), 8082 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0178	1	EPA 8082A	05/10/2018 13:56	05/11/2018 16:50	SA
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0178	1	EPA 8082A	05/10/2018 13:56	05/11/2018 16:50	SA
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0178	1	EPA 8082A	05/10/2018 13:56	05/11/2018 16:50	SA
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		



Sample Information

Client Sample ID: 011/LSB-18A

York Sample ID: 18E0411-11

York Project (SDG) No.

18E0411

Client Project ID

100688801

Matrix

Soil

Collection Date/Time

May 8, 2018 9:30 am

Date Received

05/08/2018

Polychlorinated Biphenyls (PCB), 8082 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:50	SA
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:50	SA
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:50	SA
11096-82-5	Aroclor 1260	0.0482		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 16:50	SA
1336-36-3	* Total PCBs	0.0482		mg/kg dry	0.0178	1	EPA 8082A Certifications:	05/10/2018 13:56	05/11/2018 16:50	SA
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	72.3 %								
2051-24-3	Surrogate: Decachlorobiphenyl	61.2 %								

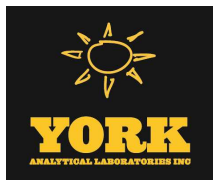
Metals, Target Analyte

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	7030		mg/kg dry	5.36	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:40	KML
7440-36-0	Antimony	ND		mg/kg dry	0.536	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:40	KML
7440-38-2	Arsenic	5.10		mg/kg dry	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:40	KML
7440-39-3	Barium	104		mg/kg dry	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:40	KML
7440-41-7	Beryllium	0.261		mg/kg dry	0.107	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:40	KML
7440-43-9	Cadmium	0.426		mg/kg dry	0.321	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:40	KML
7440-70-2	Calcium	32900		mg/kg dry	5.36	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:40	KML
7440-47-3	Chromium	18.4		mg/kg dry	0.536	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:40	KML
7440-48-4	Cobalt	6.33		mg/kg dry	0.536	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:40	KML
7440-50-8	Copper	35.3		mg/kg dry	0.536	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:40	KML
7439-89-6	Iron	12600		mg/kg dry	2.14	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:40	KML
7439-92-1	Lead	111		mg/kg dry	0.536	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:40	KML



Sample Information

Client Sample ID: 011/LSB-18A

York Sample ID: 18E0411-11

York Project (SDG) No.

18E0411

Client Project ID

100688801

Matrix

Soil

Collection Date/Time

May 8, 2018 9:30 am

Date Received

05/08/2018

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-95-4	Magnesium	8320		mg/kg dry	5.36	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:40	KML
7439-96-5	Manganese	263		mg/kg dry	0.536	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:40	KML
7440-02-0	Nickel	31.0		mg/kg dry	0.536	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:40	KML
7440-09-7	Potassium	1470		mg/kg dry	5.36	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:40	KML
7782-49-2	Selenium	ND		mg/kg dry	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:40	KML
7440-22-4	Silver	ND		mg/kg dry	0.536	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:40	KML
7440-23-5	Sodium	139		mg/kg dry	10.7	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/09/2018 09:42	05/10/2018 12:40	KML
7440-28-0	Thallium	ND		mg/kg dry	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:40	KML
7440-62-2	Vanadium	22.0		mg/kg dry	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:40	KML
7440-66-6	Zinc	115		mg/kg dry	1.61	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:40	KML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.211		mg/kg dry	0.0321	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	05/09/2018 09:29	05/09/2018 12:40	SY

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	93.4		%	0.100	1	SM 2540G Certifications: CTDOH	05/14/2018 14:33	05/14/2018 17:54	TAJ

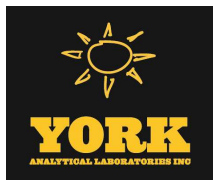
Chromium, Hexavalent

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	0.536	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	05/09/2018 10:27	05/09/2018 17:23	TJM



Sample Information

Client Sample ID: 011/LSB-18A

York Sample ID: 18E0411-11

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0411

100688801

Soil

May 8, 2018 9:30 am

05/08/2018

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	18.4		mg/kg	0.500	1	Calculation Certifications:	05/15/2018 13:32	05/15/2018 14:57	PAM

Sample Information

Client Sample ID: 012/LSB-18B

York Sample ID: 18E0411-12

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0411

100688801

Soil

May 8, 2018 9:55 am

05/08/2018

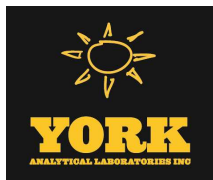
Volatiles, 8260 Comprehensive

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	0.0032	0.0065	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 14:48	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 14:48	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 14:48	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 14:48	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 14:48	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 14:48	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 14:48	SS
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 14:48	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 14:48	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 14:48	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 14:48	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 14:48	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 14:48	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 14:48	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 14:48	SS



Sample Information

Client Sample ID: 012/LSB-18B

York Sample ID: 18E0411-12

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0411

100688801

Soil

May 8, 2018 9:55 am

05/08/2018

Volatiles, 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	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.065	0.13	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 14:48	SS
78-93-3	2-Butanone	0.0089		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
67-64-1	Acetone	0.029	SCAL-E	mg/kg dry	0.0065	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0065	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
71-43-2	Benzene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
75-15-0	Carbon disulfide	0.0045	J	mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS



Sample Information

Client Sample ID: 012/LSB-18B

York Sample ID: 18E0411-12

York Project (SDG) No.
18E0411

Client Project ID
100688801

Matrix
Soil

Collection Date/Time
May 8, 2018 9:55 am

Date Received
05/08/2018

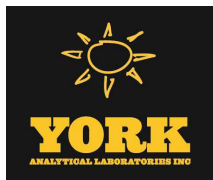
Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 14:48	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 14:48	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 14:48	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 14:48	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 14:48	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 14:48	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 14:48	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 14:48	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 14:48	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 14:48	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 14:48	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 14:48	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 14:48	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 14:48	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 14:48	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 14:48	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 14:48	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0065	0.013	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 14:48	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 14:48	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 14:48	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 14:48	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0065	0.013	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 14:48	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 14:48	SS



Sample Information

Client Sample ID: 012/LSB-18B

York Sample ID: 18E0411-12

York Project (SDG) No.

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100688801

Soil

May 8, 2018 9:55 am

05/08/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
100-42-5	Styrene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0032	0.013	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
108-88-3	Toluene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0032	0.0065	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 14:48	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0097	0.019	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 14:48	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	104 %	77-125								
2037-26-5	Surrogate: Toluene-d8	105 %	85-120								
460-00-4	Surrogate: p-Bromofluorobenzene	103 %	76-130								

Semivolatiles, 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	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0953	0.190	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR



Sample Information

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York Sample ID: 18E0411-12

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Soil

May 8, 2018 9:55 am

05/08/2018

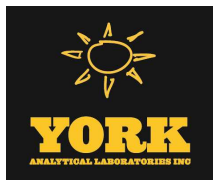
Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0953	0.190	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0953	0.190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0953	0.190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0953	0.190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0953	0.190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR



Sample Information

Client Sample ID: 012/LSB-18B

York Sample ID: 18E0411-12

York Project (SDG) No.

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Soil

May 8, 2018 9:55 am

05/08/2018

Semivolatiles, 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
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0953	0.190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0953	0.190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
83-32-9	Acenaphthene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
62-53-3	Aniline	ND		mg/kg dry	0.191	0.382	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
120-12-7	Anthracene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
92-87-5	Benzidine	ND		mg/kg dry	0.191	0.382	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
56-55-3	Benzo(a)anthracene	0.0990		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
50-32-8	Benzo(a)pyrene	0.0952	J	mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
205-99-2	Benzo(b)fluoranthene	0.0800	J	mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
191-24-2	Benzo(g,h,i)perylene	0.0685	J	mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
207-08-9	Benzo(k)fluoranthene	0.0754	J	mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
117-81-7	Bis(2-ethylhexyl)phthalate	0.167		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0953	0.190	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR



Sample Information

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100688801

Soil

May 8, 2018 9:55 am

05/08/2018

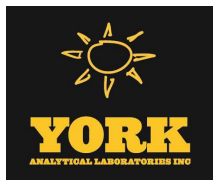
Semivolatiles, 8270 Comprehensive

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
86-74-8	Carbazole	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
218-01-9	Chrysene	0.0990		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
206-44-0	Fluoranthene	0.154		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
86-73-7	Fluorene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
193-39-5	Indeno(1,2,3-cd)pyrene	0.0525	CCV-E, J	mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
85-01-8	Phenanthrene	0.0998		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR



Sample Information

Client Sample ID: 012/LSB-18B

York Sample ID: 18E0411-12

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0411

100688801

Soil

May 8, 2018 9:55 am

05/08/2018

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-95-2	Phenol	ND		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
129-00-0	Pyrene	0.190		mg/kg dry	0.0478	0.0953	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
110-86-1	Pyridine	ND		mg/kg dry	0.191	0.382	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:13	SR
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: 2-Fluorophenol	52.9 %		20-108							
4165-62-2	Surrogate: Phenol-d5	57.4 %		23-114							
4165-60-0	Surrogate: Nitrobenzene-d5	68.5 %		22-108							
321-60-8	Surrogate: 2-Fluorobiphenyl	54.6 %		21-113							
118-79-6	Surrogate: 2,4,6-Tribromophenol	86.3 %		19-110							
1718-51-0	Surrogate: Terphenyl-d14	57.6 %		24-116							

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:42	SA
72-55-9	4,4'-DDE	0.0134		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:42	SA
50-29-3	4,4'-DDT	0.00840		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:42	SA
309-00-2	Aldrin	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:42	SA
319-84-6	alpha-BHC	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:42	SA
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/10/2018 13:56	05/14/2018 12:42	SA
319-85-7	beta-BHC	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:42	SA
57-74-9	Chlordane, total	ND		mg/kg dry	0.0377	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:42	SA
319-86-8	delta-BHC	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:42	SA
60-57-1	Dieldrin	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:42	SA
959-98-8	Endosulfan I	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:42	SA
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	05/10/2018 13:56	05/14/2018 12:42	SA
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:42	SA



Sample Information

Client Sample ID: 012/LSB-18B

York Sample ID: 18E0411-12

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0411

100688801

Soil

May 8, 2018 9:55 am

05/08/2018

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-20-8	Endrin	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:42	SA
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:42	SA
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:42	SA
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:42	SA
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/10/2018 13:56	05/14/2018 12:42	SA
76-44-8	Heptachlor	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:42	SA
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:42	SA
72-43-5	Methoxychlor	ND		mg/kg dry	0.00942	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:42	SA
8001-35-2	Toxaphene	ND		mg/kg dry	0.0953	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:42	SA
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	78.0 %		30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	20.1 %	GC-SC u	30-150						

Polychlorinated Biphenyls (PCB), 8082 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:02	SA
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:02	SA
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:02	SA
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:02	SA
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:02	SA
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:02	SA
11096-82-5	Aroclor 1260	0.0363		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:02	SA
1336-36-3	* Total PCBs	0.0363		mg/kg dry	0.0190	1	EPA 8082A Certifications:	05/10/2018 13:56	05/11/2018 17:02	SA
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	99.5 %		30-120						



Sample Information

Client Sample ID: 012/LSB-18B

York Sample ID: 18E0411-12

York Project (SDG) No.
18E0411

Client Project ID
100688801

Matrix
Soil

Collection Date/Time
May 8, 2018 9:55 am

Date Received
05/08/2018

Polychlorinated Biphenyls (PCB), 8082 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2051-24-3	Surrogate: Decachlorobiphenyl	74.6 %			30-120					

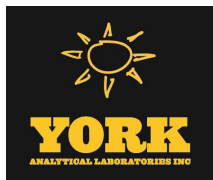
Metals, Target Analyte

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	7310		mg/kg dry	5.72	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:42	KML
7440-36-0	Antimony	ND		mg/kg dry	0.572	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:42	KML
7440-38-2	Arsenic	ND		mg/kg dry	1.14	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:42	KML
7440-39-3	Barium	93.2		mg/kg dry	1.14	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:42	KML
7440-41-7	Beryllium	0.285		mg/kg dry	0.114	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:42	KML
7440-43-9	Cadmium	ND		mg/kg dry	0.343	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:42	KML
7440-70-2	Calcium	10000		mg/kg dry	5.72	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:42	KML
7440-47-3	Chromium	26.9		mg/kg dry	0.572	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:42	KML
7440-48-4	Cobalt	5.91		mg/kg dry	0.572	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:42	KML
7440-50-8	Copper	35.4		mg/kg dry	0.572	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:42	KML
7439-89-6	Iron	22100		mg/kg dry	2.29	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:42	KML
7439-92-1	Lead	139		mg/kg dry	0.572	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:42	KML
7439-95-4	Magnesium	2290		mg/kg dry	5.72	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:42	KML
7439-96-5	Manganese	290		mg/kg dry	0.572	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:42	KML
7440-02-0	Nickel	18.9		mg/kg dry	0.572	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:42	KML
7440-09-7	Potassium	702		mg/kg dry	5.72	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:42	KML
7782-49-2	Selenium	ND		mg/kg dry	1.14	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:42	KML
7440-22-4	Silver	ND		mg/kg dry	0.572	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:42	KML
7440-23-5	Sodium	152		mg/kg dry	11.4	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/09/2018 09:42	05/10/2018 12:42	KML



Sample Information

Client Sample ID: 012/LSB-18B

York Sample ID: 18E0411-12

York Project (SDG) No.

18E0411

Client Project ID

100688801

Matrix

Soil

Collection Date/Time

May 8, 2018 9:55 am

Date Received

05/08/2018

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-28-0	Thallium	ND		mg/kg dry	1.14	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:42	KML
7440-62-2	Vanadium	22.8		mg/kg dry	1.14	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:42	KML
7440-66-6	Zinc	95.2		mg/kg dry	1.72	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:42	KML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.103		mg/kg dry	0.0343	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	05/09/2018 09:29	05/09/2018 12:48	SY

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	87.4		%	0.100	1	SM 2540G Certifications: CTDOH	05/14/2018 14:33	05/14/2018 17:54	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	0.572	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	05/09/2018 10:27	05/09/2018 17:23	TJM

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	26.9		mg/kg	0.500	1	Calculation Certifications:	05/15/2018 13:32	05/15/2018 14:57	PAM

Sample Information

Client Sample ID: 013/FB-1

York Sample ID: 18E0411-13

York Project (SDG) No.

18E0411

Client Project ID

100688801

Matrix

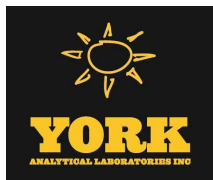
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Collection Date/Time

May 8, 2018 10:40 am

Date Received

05/08/2018



Sample Information

Client Sample ID: 013/FB-1

York Sample ID: 18E0411-13

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0411

100688801

Water

May 8, 2018 10:40 am

05/08/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 15:19	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 15:19	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 15:19	SS
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,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 15:19	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 15:19	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 15:19	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 15:19	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/09/2018 13:27	05/09/2018 15:19	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 15:19	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 15:19	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 15:19	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 15:19	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 15:19	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 15:19	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 15:19	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 15:19	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 15:19	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 15:19	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 15:19	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 15:19	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 15:19	SS
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 15:19	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 15:19	SS



Sample Information

Client Sample ID: 013/FB-1

York Sample ID: 18E0411-13

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0411

100688801

Water

May 8, 2018 10:40 am

05/08/2018

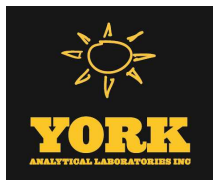
Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-93-3	2-Butanone	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications:	05/09/2018 13:27	05/09/2018 15:19	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/09/2018 13:27	05/09/2018 15:19	SS
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/09/2018 13:27	05/09/2018 15:19	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/09/2018 13:27	05/09/2018 15:19	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/09/2018 13:27	05/09/2018 15:19	SS
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	05/09/2018 13:27	05/09/2018 15:19	SS
107-02-8	Acrolein	ND		ug/L	0.200	4.00	1	EPA 8260C Certifications:	05/09/2018 13:27	05/09/2018 15:19	SS
107-13-1	Acrylonitrile	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications:	05/09/2018 13:27	05/09/2018 15:19	SS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/09/2018 13:27	05/09/2018 15:19	SS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/09/2018 13:27	05/09/2018 15:19	SS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/09/2018 13:27	05/09/2018 15:19	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/09/2018 13:27	05/09/2018 15:19	SS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/09/2018 13:27	05/09/2018 15:19	SS
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/09/2018 13:27	05/09/2018 15:19	SS
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/09/2018 13:27	05/09/2018 15:19	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/09/2018 13:27	05/09/2018 15:19	SS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/09/2018 13:27	05/09/2018 15:19	SS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/09/2018 13:27	05/09/2018 15:19	SS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/09/2018 13:27	05/09/2018 15:19	SS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/09/2018 13:27	05/09/2018 15:19	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/09/2018 13:27	05/09/2018 15:19	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/09/2018 13:27	05/09/2018 15:19	SS
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/09/2018 13:27	05/09/2018 15:19	SS



Sample Information

Client Sample ID: 013/FB-1

York Sample ID: 18E0411-13

York Project (SDG) No.

18E0411

Client Project ID

100688801

Matrix

Water

Collection Date/Time

May 8, 2018 10:40 am

Date Received

05/08/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/09/2018 13:27 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 15:19	SS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/09/2018 13:27 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 15:19	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/09/2018 13:27 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 15:19	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/09/2018 13:27 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 15:19	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/09/2018 13:27 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 15:19	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/09/2018 13:27 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 15:19	SS
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/09/2018 13:27 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 15:19	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/09/2018 13:27 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 15:19	SS
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/09/2018 13:27 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 15:19	SS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	05/09/2018 13:27 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 15:19	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/09/2018 13:27 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 15:19	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/09/2018 13:27 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 15:19	SS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/09/2018 13:27 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 15:19	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications:	05/09/2018 13:27 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 15:19	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/09/2018 13:27 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 15:19	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/09/2018 13:27 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 15:19	SS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/09/2018 13:27 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 15:19	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	2.00	1	EPA 8260C Certifications:	05/09/2018 13:27 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 15:19	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/09/2018 13:27 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 15:19	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/09/2018 13:27 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 15:19	SS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/09/2018 13:27 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 15:19	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/09/2018 13:27 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 15:19	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/09/2018 13:27 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 15:19	SS



Sample Information

Client Sample ID: 013/FB-1

York Sample ID: 18E0411-13

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0411

100688801

Water

May 8, 2018 10:40 am

05/08/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 15:19	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 15:19	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/09/2018 13:27	05/09/2018 15:19	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/09/2018 13:27	05/09/2018 15:19	SS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	101 %			70-130						
2037-26-5	Surrogate: Toluene-d8	97.5 %			70-130						
460-00-4	Surrogate: p-Bromofluorobenzene	101 %			70-130						

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 07:27	05/11/2018 17:35	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 07:27	05/11/2018 17:35	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 07:27	05/11/2018 17:35	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 07:27	05/11/2018 17:35	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 07:27	05/11/2018 17:35	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 07:27	05/11/2018 17:35	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 07:27	05/11/2018 17:35	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 07:27	05/11/2018 17:35	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 07:27	05/11/2018 17:35	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 07:27	05/11/2018 17:35	SR
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 07:27	05/11/2018 17:35	SR
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 07:27	05/11/2018 17:35	SR
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 07:27	05/11/2018 17:35	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 07:27	05/11/2018 17:35	SR



Sample Information

Client Sample ID: 013/FB-1

York Sample ID: 18E0411-13

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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18E0411

100688801

Water

May 8, 2018 10:40 am

05/08/2018

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications:	05/10/2018 07:27 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 17:35	SR
91-58-7	2-Chloronaphthalene	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications:	05/10/2018 07:27 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 17:35	SR
95-57-8	2-Chlorophenol	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications:	05/10/2018 07:27 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 17:35	SR
91-57-6	2-Methylnaphthalene	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications:	05/10/2018 07:27 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 17:35	SR
95-48-7	2-Methylphenol	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications:	05/10/2018 07:27 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 17:35	SR
88-74-4	2-Nitroaniline	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications:	05/10/2018 07:27 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 17:35	SR
88-75-5	2-Nitrophenol	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications:	05/10/2018 07:27 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 17:35	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications:	05/10/2018 07:27 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 17:35	SR
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications:	05/10/2018 07:27 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 17:35	SR
99-09-2	3-Nitroaniline	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications:	05/10/2018 07:27 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 17:35	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications:	05/10/2018 07:27 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 17:35	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications:	05/10/2018 07:27 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 17:35	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications:	05/10/2018 07:27 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 17:35	SR
106-47-8	4-Chloroaniline	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications:	05/10/2018 07:27 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 17:35	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications:	05/10/2018 07:27 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 17:35	SR
100-01-6	4-Nitroaniline	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications:	05/10/2018 07:27 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 17:35	SR
100-02-7	4-Nitrophenol	ND		ug/L	5.88	5.88	1	EPA 8270D Certifications:	05/10/2018 07:27 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 17:35	SR
98-86-2	Acetophenone	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications:	05/10/2018 07:27 NELAC-NY10854,NJDEP,PADEP	05/11/2018 17:35	SR
62-53-3	Aniline	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications:	05/10/2018 07:27 NELAC-NY10854,NJDEP,PADEP	05/11/2018 17:35	SR
100-52-7	Benzaldehyde	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications:	05/10/2018 07:27 NELAC-NY10854,NJDEP,PADEP	05/11/2018 17:35	SR
92-87-5	Benzidine	ND		ug/L	5.88	5.88	1	EPA 8270D Certifications:	05/10/2018 07:27 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 17:35	SR
65-85-0	Benzoic acid	ND		ug/L	29.4	58.8	1	EPA 8270D Certifications:	05/10/2018 07:27 NELAC-NY10854,NJDEP,PADEP	05/11/2018 17:35	SR
100-51-6	Benzyl alcohol	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications:	05/10/2018 07:27 NELAC-NY10854,NJDEP,PADEP	05/11/2018 17:35	SR



Sample Information

Client Sample ID: 013/FB-1

York Sample ID: 18E0411-13

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0411

100688801

Water

May 8, 2018 10:40 am

05/08/2018

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 07:27	05/11/2018 17:35	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 07:27	05/11/2018 17:35	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.18	5.88	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 07:27	05/11/2018 17:35	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 07:27	05/11/2018 17:35	SR
105-60-2	Caprolactam	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 07:27	05/11/2018 17:35	SR
86-74-8	Carbazole	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 07:27	05/11/2018 17:35	SR
132-64-9	Dibenzofuran	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 07:27	05/11/2018 17:35	SR
84-66-2	Diethyl phthalate	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 07:27	05/11/2018 17:35	SR
131-11-3	Dimethyl phthalate	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 07:27	05/11/2018 17:35	SR
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 07:27	05/11/2018 17:35	SR
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 07:27	05/11/2018 17:35	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.88	11.8	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 07:27	05/11/2018 17:35	SR
78-59-1	Isophorone	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 07:27	05/11/2018 17:35	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 07:27	05/11/2018 17:35	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 07:27	05/11/2018 17:35	SR
108-95-2	Phenol	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 07:27	05/11/2018 17:35	SR
110-86-1	Pyridine	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 07:27	05/11/2018 17:35	SR
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	28.2 %	19.7-63.1								
4165-62-2	Surrogate: Phenol-d5	18.2 %	10.1-41.7								
4165-60-0	Surrogate: Nitrobenzene-d5	62.1 %	50.2-113								
321-60-8	Surrogate: 2-Fluorobiphenyl	46.2 %	39.9-105								
118-79-6	Surrogate: 2,4,6-Tribromophenol	66.1 %	39.3-151								
1718-51-0	Surrogate: Terphenyl-d14	42.7 %	30.7-106								

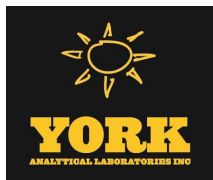
Semivolatiles, 8270 Comprehensive

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



Sample Information

Client Sample ID: 013/FB-1

York Sample ID: 18E0411-13

York Project (SDG) No.

Client Project ID

Matrix

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18E0411

100688801

Water

May 8, 2018 10:40 am

05/08/2018

Semivolatiles, 8270 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	0.0588	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 07:27	05/11/2018 10:58	SR
208-96-8	Acenaphthylene	ND		ug/L	0.0588	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 07:27	05/11/2018 10:58	SR
120-12-7	Anthracene	ND		ug/L	0.0588	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 07:27	05/11/2018 10:58	SR
1912-24-9	Atrazine	ND		ug/L	0.588	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/10/2018 07:27	05/11/2018 10:58	SR
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0588	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 07:27	05/11/2018 10:58	SR
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0588	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 07:27	05/11/2018 10:58	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0588	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 07:27	05/11/2018 10:58	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0588	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 07:27	05/11/2018 10:58	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0588	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 07:27	05/11/2018 10:58	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.588	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/10/2018 07:27	05/11/2018 10:58	SR
218-01-9	Chrysene	ND		ug/L	0.0588	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 07:27	05/11/2018 10:58	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0588	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 07:27	05/11/2018 10:58	SR
206-44-0	Fluoranthene	ND		ug/L	0.0588	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 07:27	05/11/2018 10:58	SR
86-73-7	Fluorene	ND		ug/L	0.0588	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 07:27	05/11/2018 10:58	SR
118-74-1	Hexachlorobenzene	ND		ug/L	0.0235	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/10/2018 07:27	05/11/2018 10:58	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.588	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/10/2018 07:27	05/11/2018 10:58	SR
67-72-1	Hexachloroethane	ND		ug/L	0.588	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/10/2018 07:27	05/11/2018 10:58	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0588	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 07:27	05/11/2018 10:58	SR
91-20-3	Naphthalene	ND		ug/L	0.0588	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 07:27	05/11/2018 10:58	SR
98-95-3	Nitrobenzene	ND		ug/L	0.294	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/10/2018 07:27	05/11/2018 10:58	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.588	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/10/2018 07:27	05/11/2018 10:58	SR
87-86-5	Pentachlorophenol	ND		ug/L	0.294	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/10/2018 07:27	05/11/2018 10:58	SR
85-01-8	Phenanthrene	ND		ug/L	0.0588	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 07:27	05/11/2018 10:58	SR



Sample Information

Client Sample ID: 013/FB-1

York Sample ID: 18E0411-13

York Project (SDG) No.

18E0411

Client Project ID

100688801

Matrix

Water

Collection Date/Time

May 8, 2018 10:40 am

Date Received

05/08/2018

Semivolatiles, 8270 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
129-00-0	Pyrene	ND		ug/L	0.0588	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 07:27	05/11/2018 10:58	SR

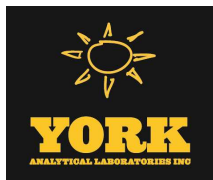
Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 07:35	05/14/2018 18:47	SA
72-55-9	4,4'-DDE	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 07:35	05/14/2018 18:47	SA
50-29-3	4,4'-DDT	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 07:35	05/14/2018 18:47	SA
309-00-2	Aldrin	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 07:35	05/14/2018 18:47	SA
319-84-6	alpha-BHC	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 07:35	05/14/2018 18:47	SA
5103-71-9	alpha-Chlordane	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 07:35	05/14/2018 18:47	SA
319-85-7	beta-BHC	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 07:35	05/14/2018 18:47	SA
57-74-9	Chlordane, total	ND		ug/L	0.0205	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 07:35	05/14/2018 18:47	SA
319-86-8	delta-BHC	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 07:35	05/14/2018 18:47	SA
60-57-1	Dieldrin	ND		ug/L	0.00205	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 07:35	05/14/2018 18:47	SA
959-98-8	Endosulfan I	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 07:35	05/14/2018 18:47	SA
33213-65-9	Endosulfan II	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 07:35	05/14/2018 18:47	SA
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 07:35	05/14/2018 18:47	SA
72-20-8	Endrin	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 07:35	05/14/2018 18:47	SA
7421-93-4	Endrin aldehyde	ND		ug/L	0.0103	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 07:35	05/14/2018 18:47	SA
53494-70-5	Endrin ketone	ND		ug/L	0.0103	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 07:35	05/14/2018 18:47	SA
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 07:35	05/14/2018 18:47	SA
5566-34-7	gamma-Chlordane	ND		ug/L	0.0103	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 07:35	05/14/2018 18:47	SA
76-44-8	Heptachlor	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 07:35	05/14/2018 18:47	SA



Sample Information

Client Sample ID: 013/FB-1

York Sample ID: 18E0411-13

York Project (SDG) No.
18E0411

Client Project ID
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May 8, 2018 10:40 am

Date Received
05/08/2018

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 07:35	05/14/2018 18:47	SA
72-43-5	Methoxychlor	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 07:35	05/14/2018 18:47	SA
8001-35-2	Toxaphene	ND		ug/L	0.103	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 07:35	05/14/2018 18:47	SA
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	109 %								
877-09-8	Surrogate: Tetrachloro-m-xylene	101 %								

Polychlorinated Biphenyls (PCB), 8082 Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 07:35	05/15/2018 09:52	LAB
11104-28-2	Aroclor 1221	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 07:35	05/15/2018 09:52	LAB
11141-16-5	Aroclor 1232	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 07:35	05/15/2018 09:52	LAB
53469-21-9	Aroclor 1242	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 07:35	05/15/2018 09:52	LAB
12672-29-6	Aroclor 1248	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 07:35	05/15/2018 09:52	LAB
11097-69-1	Aroclor 1254	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 07:35	05/15/2018 09:52	LAB
11096-82-5	Aroclor 1260	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 07:35	05/15/2018 09:52	LAB
1336-36-3	* Total PCBs	ND		ug/L	0.0513	1	EPA 8082A Certifications:	05/10/2018 07:35	05/15/2018 09:52	LAB
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	96.5 %								
2051-24-3	Surrogate: Decachlorobiphenyl	90.4 %								

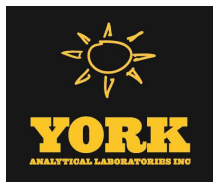
Metals, Target Analyte, ICP

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	05/11/2018 12:59	05/14/2018 12:55	KML
7440-39-3	Barium	ND		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 12:59	05/14/2018 12:55	KML



Sample Information

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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
7440-70-2	Calcium	ND		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 12:59	05/14/2018 12:55	KML
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 12:59	05/14/2018 12:55	KML
7440-48-4	Cobalt	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 12:59	05/14/2018 12:55	KML
7440-50-8	Copper	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 12:59	05/14/2018 12:55	KML
7439-89-6	Iron	0.0451	B	mg/L	0.0222	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 12:59	05/14/2018 12:55	KML
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 12:59	05/14/2018 12:55	KML
7439-95-4	Magnesium	ND		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 12:59	05/14/2018 12:55	KML
7439-96-5	Manganese	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 12:59	05/14/2018 12:55	KML
7440-02-0	Nickel	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 12:59	05/14/2018 12:55	KML
7440-09-7	Potassium	0.0748		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 12:59	05/14/2018 12:55	KML
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 12:59	05/14/2018 12:55	KML
7440-23-5	Sodium	0.251		mg/L	0.111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 12:59	05/14/2018 12:55	KML
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 12:59	05/14/2018 12:55	KML
7440-66-6	Zinc	ND		mg/L	0.0167	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 12:59	05/14/2018 12:55	KML

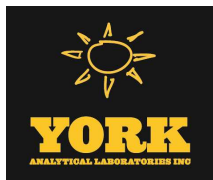
Metals, Target Analyte, ICP Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 12:55	05/14/2018 14:30	KML
7440-39-3	Barium	ND		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 12:55	05/14/2018 14:30	KML
7440-70-2	Calcium	ND		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 12:55	05/14/2018 14:30	KML
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 12:55	05/14/2018 14:30	KML
7440-48-4	Cobalt	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 12:55	05/14/2018 14:30	KML
7440-50-8	Copper	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 12:55	05/14/2018 14:30	KML
7439-89-6	Iron	ND		mg/L	0.0222	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 12:55	05/14/2018 14:30	KML



Sample Information

Client Sample ID: 013/FB-1

York Sample ID: 18E0411-13

York Project (SDG) No.

18E0411

Client Project ID

100688801

Matrix

Water

Collection Date/Time

May 8, 2018 10:40 am

Date Received

05/08/2018

Metals, Target Analyte, ICP Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 12:55	05/14/2018 14:30	KML
7439-95-4	Magnesium	ND		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 12:55	05/14/2018 14:30	KML
7439-96-5	Manganese	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 12:55	05/14/2018 14:30	KML
7440-02-0	Nickel	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 12:55	05/14/2018 14:30	KML
7440-09-7	Potassium	0.301		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 12:55	05/14/2018 14:30	KML
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 12:55	05/14/2018 14:30	KML
7440-23-5	Sodium	0.480	B	mg/L	0.111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 12:55	05/14/2018 14:30	KML
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 12:55	05/14/2018 14:30	KML
7440-66-6	Zinc	ND		mg/L	0.0167	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 12:55	05/14/2018 14:30	KML

Metals, Target Analyte, ICPMS

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 13:03	05/14/2018 15:48	BML
7440-38-2	Arsenic	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 13:03	05/14/2018 15:48	BML
7440-41-7	Beryllium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 13:03	05/14/2018 15:48	BML
7440-43-9	Cadmium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 13:03	05/14/2018 15:48	BML
7782-49-2	Selenium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 13:03	05/14/2018 15:48	BML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 13:03	05/14/2018 15:48	BML

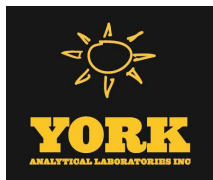
Metals, Target Analyte, ICPMS Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 12:57	05/14/2018 14:21	BML
7440-38-2	Arsenic	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 12:57	05/14/2018 14:21	BML
7440-41-7	Beryllium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 12:57	05/14/2018 14:21	BML



Sample Information

Client Sample ID: 013/FB-1

York Sample ID: 18E0411-13

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0411

100688801

Water

May 8, 2018 10:40 am

05/08/2018

Metals, Target Analyte, ICPMS Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-43-9	Cadmium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 12:57	05/14/2018 14:21	BML
7782-49-2	Selenium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 12:57	05/14/2018 14:21	BML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 12:57	05/14/2018 14:21	BML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00020	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 16:22	05/10/2018 20:00	SY

Mercury by 7473, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002000	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 08:25	05/11/2018 10:00	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	05/08/2018 20:49	05/08/2018 20:55	TAJ

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	ND		mg/L	0.0100	1	Calculation Certifications:	05/15/2018 13:36	05/15/2018 14:57	PAM

Sample Information

Client Sample ID: 014/LSB-16A

York Sample ID: 18E0411-14

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0411

100688801

Soil

May 8, 2018 11:40 am

05/08/2018



Sample Information

Client Sample ID: 014/LSB-16A

York Sample ID: 18E0411-14

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0411

100688801

Soil

May 8, 2018 11:40 am

05/08/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 15:20	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 15:20	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.061	0.12	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 15:20	SS



Sample Information

Client Sample ID: 014/LSB-16A

York Sample ID: 18E0411-14

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0411

100688801

Soil

May 8, 2018 11:40 am

05/08/2018

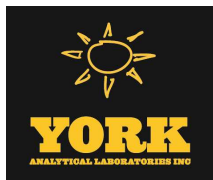
Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-93-3	2-Butanone	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:20	SS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:20	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:20	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:20	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:20	SS
67-64-1	Acetone	0.013	SCAL-E	mg/kg dry	0.0061	0.012	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:20	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0061	0.012	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:20	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:20	SS
71-43-2	Benzene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:20	SS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:20	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:20	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:20	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:20	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:20	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:20	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:20	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:20	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:20	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:20	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:20	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:20	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:20	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:20	SS



Sample Information

Client Sample ID: 014/LSB-16A

York Sample ID: 18E0411-14

York Project (SDG) No.

18E0411

Client Project ID

100688801

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May 8, 2018 11:40 am

Date Received

05/08/2018

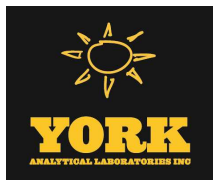
Volatiles, 8260 Comprehensive

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
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 15:20	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 15:20	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 15:20	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 15:20	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 15:20	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 15:20	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 15:20	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 15:20	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 15:20	SS
75-09-2	Methylene chloride	0.0076	SCAL- E, J	mg/kg dry	0.0061	0.012	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 15:20	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 15:20	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 15:20	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 15:20	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0061	0.012	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 15:20	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 15:20	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 15:20	SS
100-42-5	Styrene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 15:20	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0031	0.012	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 15:20	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 15:20	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 15:20	SS
108-88-3	Toluene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 15:20	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 15:20	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 15:20	SS



Sample Information

Client Sample ID: 014/LSB-16A

York Sample ID: 18E0411-14

York Project (SDG) No.

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100688801

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May 8, 2018 11:40 am

05/08/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0031	0.0061	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:20	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0092	0.018	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 15:20	SS
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	104 %		77-125							
2037-26-5	Surrogate: Toluene-d8	103 %		85-120							
460-00-4	Surrogate: p-Bromofluorobenzene	96.8 %		76-130							

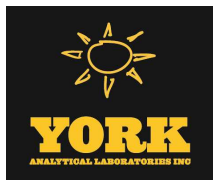
Semivolatiles, 8270 Comprehensive

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	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR



Sample Information

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05/08/2018

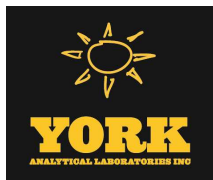
Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 22:44	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 22:44	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 22:44	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 22:44	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 22:44	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 22:44	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 22:44	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 22:44	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications:	05/10/2018 13:53 NELAC-NY10854,NJDEP,PADEP	05/11/2018 22:44	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 22:44	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 22:44	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 22:44	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 22:44	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 22:44	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 22:44	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 22:44	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 22:44	SR
83-32-9	Acenaphthene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 22:44	SR
208-96-8	Acenaphthylene	0.0959		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 22:44	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications:	05/10/2018 13:53 NELAC-NY10854,NJDEP,PADEP	05/11/2018 22:44	SR
62-53-3	Aniline	ND		mg/kg dry	0.185	0.370	2	EPA 8270D Certifications:	05/10/2018 13:53 NELAC-NY10854,NJDEP,PADEP	05/11/2018 22:44	SR
120-12-7	Anthracene	0.159		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications:	05/10/2018 13:53 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 22:44	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications:	05/10/2018 13:53 NELAC-NY10854,NJDEP,PADEP	05/11/2018 22:44	SR



Sample Information

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05/08/2018

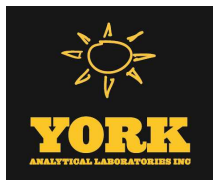
Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
92-87-5	Benzidine	ND		mg/kg dry	0.185	0.370	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
56-55-3	Benzo(a)anthracene	0.522		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
50-32-8	Benzo(a)pyrene	0.550		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
205-99-2	Benzo(b)fluoranthene	0.434		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
191-24-2	Benzo(g,h,i)perylene	0.452		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
207-08-9	Benzo(k)fluoranthene	0.393		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
117-81-7	Bis(2-ethylhexyl)phthalate	0.128		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
86-74-8	Carbazole	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
218-01-9	Chrysene	0.553		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
53-70-3	Dibenzo(a,h)anthracene	0.120	CCV-E	mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR



Sample Information

Client Sample ID: 014/LSB-16A

York Sample ID: 18E0411-14

York Project (SDG) No.

Client Project ID

Matrix

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18E0411

100688801

Soil

May 8, 2018 11:40 am

05/08/2018

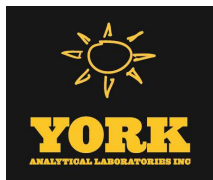
Semivolatiles, 8270 Comprehensive

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
206-44-0	Fluoranthene	0.728		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
86-73-7	Fluorene	0.0465	J	mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
193-39-5	Indeno(1,2,3-cd)pyrene	0.304	CCV-E	mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
85-01-8	Phenanthrene	0.537		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
108-95-2	Phenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
129-00-0	Pyrene	1.03		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
110-86-1	Pyridine	ND		mg/kg dry	0.185	0.370	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 22:44	SR
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	39.5 %	20-108								
4165-62-2	Surrogate: Phenol-d5	43.7 %	23-114								
4165-60-0	Surrogate: Nitrobenzene-d5	49.0 %	22-108								
321-60-8	Surrogate: 2-Fluorobiphenyl	44.3 %	21-113								
118-79-6	Surrogate: 2,4,6-Tribromophenol	72.4 %	19-110								
1718-51-0	Surrogate: Terphenyl-d14	53.3 %	24-116								



Sample Information

Client Sample ID: 014/LSB-16A

York Sample ID: 18E0411-14

York Project (SDG) No.
18E0411

Client Project ID
100688801

Matrix
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Collection Date/Time
May 8, 2018 11:40 am

Date Received
05/08/2018

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

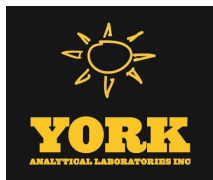
Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:57	SA
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:57	SA
50-29-3	4,4'-DDT	0.0141		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:57	SA
309-00-2	Aldrin	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:57	SA
319-84-6	alpha-BHC	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:57	SA
5103-71-9	alpha-Chlordane	0.00771		mg/kg dry	0.00182	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/10/2018 13:56	05/14/2018 12:57	SA
319-85-7	beta-BHC	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:57	SA
57-74-9	Chlordane, total	ND		mg/kg dry	0.0364	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:57	SA
319-86-8	delta-BHC	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:57	SA
60-57-1	Dieldrin	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:57	SA
959-98-8	Endosulfan I	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:57	SA
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	05/10/2018 13:56	05/14/2018 12:57	SA
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:57	SA
72-20-8	Endrin	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:57	SA
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:57	SA
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:57	SA
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:57	SA
5566-34-7	gamma-Chlordane	0.00760		mg/kg dry	0.00182	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/10/2018 13:56	05/14/2018 12:57	SA
76-44-8	Heptachlor	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:57	SA
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:57	SA
72-43-5	Methoxychlor	ND		mg/kg dry	0.00911	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:57	SA
8001-35-2	Toxaphene	ND		mg/kg dry	0.0922	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 12:57	SA

Surrogate Recoveries

Result

Acceptance Range



Sample Information

Client Sample ID: 014/LSB-16A

York Sample ID: 18E0411-14

York Project (SDG) No.

Client Project ID

Matrix

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18E0411

100688801

Soil

May 8, 2018 11:40 am

05/08/2018

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2051-24-3	Surrogate: Decachlorobiphenyl	89.3 %			30-150					
877-09-8	Surrogate: Tetrachloro-m-xylene	26.7 %	GC-SC		30-150					
			u							

Polychlorinated Biphenyls (PCB), 8082 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:15	SA
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:15	SA
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:15	SA
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:15	SA
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:15	SA
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:15	SA
11096-82-5	Aroclor 1260	0.0969		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:15	SA
1336-36-3	* Total PCBs	0.0969		mg/kg dry	0.0184	1	EPA 8082A Certifications:	05/10/2018 13:56	05/11/2018 17:15	SA
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	84.2 %			30-120					
2051-24-3	Surrogate: Decachlorobiphenyl	69.4 %			30-120					

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	6670		mg/kg dry	5.54	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:44	KML
7440-36-0	Antimony	1.45		mg/kg dry	0.554	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:44	KML
7440-38-2	Arsenic	7.71		mg/kg dry	1.11	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:44	KML
7440-39-3	Barium	697		mg/kg dry	1.11	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:44	KML
7440-41-7	Beryllium	0.447		mg/kg dry	0.111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:44	KML



Sample Information

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100688801

Soil

May 8, 2018 11:40 am

05/08/2018

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	1.14		mg/kg dry	0.332	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:44	KML
7440-70-2	Calcium	11700		mg/kg dry	5.54	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:44	KML
7440-47-3	Chromium	29.4		mg/kg dry	0.554	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:44	KML
7440-48-4	Cobalt	7.77		mg/kg dry	0.554	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:44	KML
7440-50-8	Copper	155		mg/kg dry	0.554	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:44	KML
7439-89-6	Iron	20200		mg/kg dry	2.21	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:44	KML
7439-92-1	Lead	490		mg/kg dry	0.554	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:44	KML
7439-95-4	Magnesium	3420		mg/kg dry	5.54	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:44	KML
7439-96-5	Manganese	205		mg/kg dry	0.554	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:44	KML
7440-02-0	Nickel	27.6		mg/kg dry	0.554	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:44	KML
7440-09-7	Potassium	537		mg/kg dry	5.54	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:44	KML
7782-49-2	Selenium	ND		mg/kg dry	1.11	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:44	KML
7440-22-4	Silver	ND		mg/kg dry	0.554	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:44	KML
7440-23-5	Sodium	182		mg/kg dry	11.1	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/09/2018 09:42	05/10/2018 12:44	KML
7440-28-0	Thallium	ND		mg/kg dry	1.11	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:44	KML
7440-62-2	Vanadium	26.6		mg/kg dry	1.11	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:44	KML
7440-66-6	Zinc	431		mg/kg dry	1.66	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:44	KML

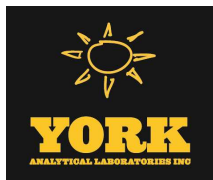
Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.465		mg/kg dry	0.0332	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	05/09/2018 09:29	05/09/2018 12:57	SY



Sample Information

Client Sample ID: 014/LSB-16A

York Sample ID: 18E0411-14

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Matrix

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100688801

Soil

May 8, 2018 11:40 am

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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	90.3		%	0.100	1	SM 2540G Certifications: CTDOH	05/14/2018 14:33	05/14/2018 17:54	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	0.554	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	05/09/2018 10:27	05/09/2018 17:23	TJM

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	29.4		mg/kg	0.500	1	Calculation Certifications:	05/15/2018 13:32	05/15/2018 14:57	PAM

Sample Information

Client Sample ID: 015/DUP-1

York Sample ID: 18E0411-15

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0411

100688801

Soil

May 8, 2018 11:45 am

05/08/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 15:52	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS



Sample Information

Client Sample ID: 015/DUP-1

York Sample ID: 18E0411-15

York Project (SDG) No.

18E0411

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05/08/2018

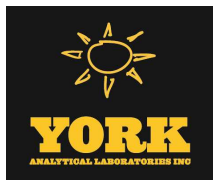
Volatiles, 8260 Comprehensive

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
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 15:52	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 15:52	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 15:52	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 15:52	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 15:52	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 15:52	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 15:52	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 15:52	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 15:52	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 15:52	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 15:52	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 15:52	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 15:52	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 15:52	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.052	0.10	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 15:52	SS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 15:52	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 15:52	SS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 15:52	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 15:52	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 15:52	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 15:52	SS
67-64-1	Acetone	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 15:52	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 15:52	SS



Sample Information

Client Sample ID: 015/DUP-1

York Sample ID: 18E0411-15

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0411

100688801

Soil

May 8, 2018 11:45 am

05/08/2018

Volatiles, 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
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:52	SS
71-43-2	Benzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:52	SS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:52	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:52	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:52	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:52	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:52	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:52	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:52	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:52	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:52	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:52	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:52	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:52	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:52	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:52	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:52	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:52	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:52	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:52	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:52	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:52	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:52	SS



Sample Information

Client Sample ID: 015/DUP-1

York Sample ID: 18E0411-15

York Project (SDG) No.
18E0411

Client Project ID
100688801

Matrix
Soil

Collection Date/Time
May 8, 2018 11:45 am

Date Received
05/08/2018

Volatiles, 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
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
100-42-5	Styrene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0026	0.010	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
108-88-3	Toluene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:52	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0078	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 15:52	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	106 %	77-125								
2037-26-5	Surrogate: Toluene-d8	103 %	85-120								
460-00-4	Surrogate: p-Bromofluorobenzene	108 %	76-130								



Sample Information

Client Sample ID: 015/DUP-1

York Sample ID: 18E0411-15

York Project (SDG) No.
18E0411

Client Project ID
100688801

Matrix
Soil

Collection Date/Time
May 8, 2018 11:45 am

Date Received
05/08/2018

Semivolatiles, 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	0.0459	0.0917	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0917	0.183	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0917	0.183	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0917	0.183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0917	0.183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR



Sample Information

Client Sample ID: 015/DUP-1

York Sample ID: 18E0411-15

York Project (SDG) No.

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100688801

Soil

May 8, 2018 11:45 am

05/08/2018

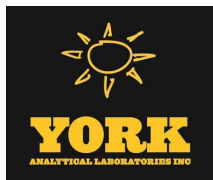
Semivolatiles, 8270 Comprehensive

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	0.0917	0.183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0917	0.183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0917	0.183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0917	0.183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
83-32-9	Acenaphthene	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
208-96-8	Acenaphthylene	0.0894	J	mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
62-53-3	Aniline	ND		mg/kg dry	0.184	0.367	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
120-12-7	Anthracene	0.147		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
92-87-5	Benzidine	ND		mg/kg dry	0.184	0.367	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
56-55-3	Benzo(a)anthracene	0.403		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
50-32-8	Benzo(a)pyrene	0.438		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
205-99-2	Benzo(b)fluoranthene	0.366		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
191-24-2	Benzo(g,h,i)perylene	0.335		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
207-08-9	Benzo(k)fluoranthene	0.342		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR



Sample Information

Client Sample ID: 015/DUP-1

York Sample ID: 18E0411-15

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05/08/2018

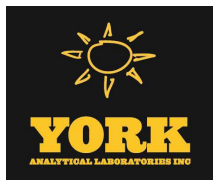
Semivolatiles, 8270 Comprehensive

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	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
117-81-7	Bis(2-ethylhexyl)phthalate	11.8		mg/kg dry	0.459	0.917	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 04:39	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0917	0.183	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
86-74-8	Carbazole	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
218-01-9	Chrysene	0.430		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
53-70-3	Dibenzo(a,h)anthracene	0.106	CCV-E	mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
117-84-0	Di-n-octyl phthalate	2.20		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
206-44-0	Fluoranthene	0.576		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
86-73-7	Fluorene	0.0498	J	mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
193-39-5	Indeno(1,2,3-cd)pyrene	0.262	CCV-E	mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR



Sample Information

Client Sample ID: 015/DUP-1

York Sample ID: 18E0411-15

York Project (SDG) No.
18E0411

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100688801

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Collection Date/Time
May 8, 2018 11:45 am

Date Received
05/08/2018

Semivolatiles, 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	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
85-01-8	Phenanthrene	0.410		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
108-95-2	Phenol	ND		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
129-00-0	Pyrene	0.706		mg/kg dry	0.0459	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
110-86-1	Pyridine	ND		mg/kg dry	0.184	0.367	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:15	SR
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: 2-Fluorophenol	39.8 %									
4165-62-2	Surrogate: Phenol-d5	43.8 %									
4165-60-0	Surrogate: Nitrobenzene-d5	49.0 %									
321-60-8	Surrogate: 2-Fluorobiphenyl	42.0 %									
118-79-6	Surrogate: 2,4,6-Tribromophenol	72.3 %									
1718-51-0	Surrogate: Terphenyl-d14	50.5 %									

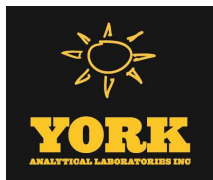
Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:12	SA
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:12	SA
50-29-3	4,4'-DDT	0.00867		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:12	SA
309-00-2	Aldrin	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:12	SA
319-84-6	alpha-BHC	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:12	SA
5103-71-9	alpha-Chlordane	0.00438		mg/kg dry	0.00182	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/10/2018 13:56	05/14/2018 13:12	SA
319-85-7	beta-BHC	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:12	SA



Sample Information

Client Sample ID: 015/DUP-1

York Sample ID: 18E0411-15

York Project (SDG) No.

18E0411

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100688801

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May 8, 2018 11:45 am

Date Received

05/08/2018

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-74-9	Chlordane, total	ND		mg/kg dry	0.0363	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:12	SA
319-86-8	delta-BHC	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:12	SA
60-57-1	Dieldrin	0.00454		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:12	SA
959-98-8	Endosulfan I	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:12	SA
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	05/10/2018 13:56	05/14/2018 13:12	SA
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:12	SA
72-20-8	Endrin	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:12	SA
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:12	SA
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:12	SA
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:12	SA
5566-34-7	gamma-Chlordane	0.00449		mg/kg dry	0.00182	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/10/2018 13:56	05/14/2018 13:12	SA
76-44-8	Heptachlor	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:12	SA
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:12	SA
72-43-5	Methoxychlor	ND		mg/kg dry	0.00908	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:12	SA
8001-35-2	Toxaphene	ND		mg/kg dry	0.0919	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:12	SA
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	73.1 %								
877-09-8	Surrogate: Tetrachloro-m-xylene	19.9 %	GC-SC							
			u							

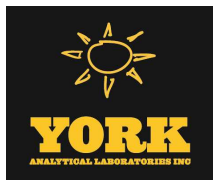
Polychlorinated Biphenyls (PCB), 8082 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:27	SA
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:27	SA
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:27	SA



Sample Information

Client Sample ID: 015/DUP-1

York Sample ID: 18E0411-15

York Project (SDG) No.
18E0411

Client Project ID
100688801

Matrix
Soil

Collection Date/Time
May 8, 2018 11:45 am

Date Received
05/08/2018

Polychlorinated Biphenyls (PCB), 8082 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:27	SA
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:27	SA
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:27	SA
11096-82-5	Aroclor 1260	0.0690		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:27	SA
1336-36-3	* Total PCBs	0.0690		mg/kg dry	0.0183	1	EPA 8082A Certifications:	05/10/2018 13:56	05/11/2018 17:27	SA
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	81.2 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	64.1 %	30-120							

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	4920		mg/kg dry	5.52	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:46	KML
7440-36-0	Antimony	1.23		mg/kg dry	0.552	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:46	KML
7440-38-2	Arsenic	5.08		mg/kg dry	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:46	KML
7440-39-3	Barium	346		mg/kg dry	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:46	KML
7440-41-7	Beryllium	0.410		mg/kg dry	0.110	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:46	KML
7440-43-9	Cadmium	1.16		mg/kg dry	0.331	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:46	KML
7440-70-2	Calcium	10200		mg/kg dry	5.52	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:46	KML
7440-47-3	Chromium	19.0		mg/kg dry	0.552	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:46	KML
7440-48-4	Cobalt	5.62		mg/kg dry	0.552	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:46	KML
7440-50-8	Copper	152		mg/kg dry	0.552	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:46	KML
7439-89-6	Iron	15600		mg/kg dry	2.21	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:46	KML
7439-92-1	Lead	446		mg/kg dry	0.552	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:46	KML



Sample Information

Client Sample ID: 015/DUP-1

York Sample ID: 18E0411-15

York Project (SDG) No.

18E0411

Client Project ID

100688801

Matrix

Soil

Collection Date/Time

May 8, 2018 11:45 am

Date Received

05/08/2018

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-95-4	Magnesium	3190		mg/kg dry	5.52	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:46	KML
7439-96-5	Manganese	196		mg/kg dry	0.552	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:46	KML
7440-02-0	Nickel	20.6		mg/kg dry	0.552	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:46	KML
7440-09-7	Potassium	466		mg/kg dry	5.52	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:46	KML
7782-49-2	Selenium	ND		mg/kg dry	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:46	KML
7440-22-4	Silver	ND		mg/kg dry	0.552	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:46	KML
7440-23-5	Sodium	164		mg/kg dry	11.0	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/09/2018 09:42	05/10/2018 12:46	KML
7440-28-0	Thallium	ND		mg/kg dry	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:46	KML
7440-62-2	Vanadium	22.7		mg/kg dry	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:46	KML
7440-66-6	Zinc	384		mg/kg dry	1.66	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:46	KML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.350		mg/kg dry	0.0331	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	05/09/2018 09:29	05/09/2018 13:05	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	90.6		%	0.100	1	SM 2540G Certifications: CTDOH	05/14/2018 14:33	05/14/2018 17:54	TAJ

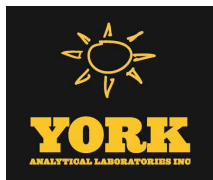
Chromium, Hexavalent

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	0.552	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	05/09/2018 10:27	05/09/2018 17:23	TJM



Sample Information

Client Sample ID: 015/DUP-1

York Sample ID: 18E0411-15

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0411

100688801

Soil

May 8, 2018 11:45 am

05/08/2018

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	19.0		mg/kg	0.500	1	Calculation Certifications:	05/15/2018 13:32	05/15/2018 14:57	PAM

Sample Information

Client Sample ID: 016/LSB-16B

York Sample ID: 18E0411-16

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0411

100688801

Soil

May 8, 2018 11:50 am

05/08/2018

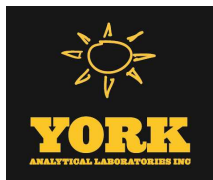
Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 16:23	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 16:23	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 16:23	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 16:23	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 16:23	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 16:23	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 16:23	SS
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 16:23	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 16:23	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 16:23	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 16:23	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 16:23	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 16:23	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 16:23	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 16:23	SS



Sample Information

Client Sample ID: 016/LSB-16B

York Sample ID: 18E0411-16

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0411

100688801

Soil

May 8, 2018 11:50 am

05/08/2018

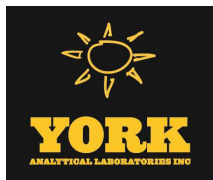
Volatiles, 8260 Comprehensive

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	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.045	0.089	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 16:23	SS
78-93-3	2-Butanone	0.0090		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
67-64-1	Acetone	0.033	SCAL-E	mg/kg dry	0.0045	0.0089	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0045	0.0089	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
71-43-2	Benzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS



Sample Information

Client Sample ID: 016/LSB-16B

York Sample ID: 18E0411-16

York Project (SDG) No.

Client Project ID

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Collection Date/Time

Date Received

18E0411

100688801

Soil

May 8, 2018 11:50 am

05/08/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 16:23	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 16:23	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 16:23	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 16:23	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 16:23	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 16:23	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 16:23	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 16:23	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 16:23	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 16:23	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 16:23	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 16:23	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 16:23	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 16:23	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 16:23	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 16:23	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 16:23	SS
75-09-2	Methylene chloride	0.0050	SCAL- E, J	mg/kg dry	0.0045	0.0089	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 16:23	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 16:23	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 16:23	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 16:23	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0045	0.0089	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 16:23	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 16:23	SS



Sample Information

Client Sample ID: 016/LSB-16B

York Sample ID: 18E0411-16

York Project (SDG) No.

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Matrix

Collection Date/Time

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18E0411

100688801

Soil

May 8, 2018 11:50 am

05/08/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
100-42-5	Styrene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0022	0.0089	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
108-88-3	Toluene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:23	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0067	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 16:23	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	103 %	77-125								
2037-26-5	Surrogate: Toluene-d8	100 %	85-120								
460-00-4	Surrogate: p-Bromofluorobenzene	104 %	76-130								

Semivolatiles, 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	0.0459	0.0916	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0916	0.183	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR



Sample Information

Client Sample ID: 016/LSB-16B

York Sample ID: 18E0411-16

York Project (SDG) No.

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100688801

Soil

May 8, 2018 11:50 am

05/08/2018

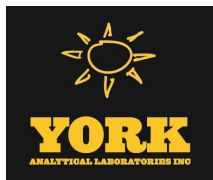
Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0916	0.183	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0916	0.183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0916	0.183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0916	0.183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0916	0.183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR



Sample Information

Client Sample ID: 016/LSB-16B

York Sample ID: 18E0411-16

York Project (SDG) No.

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Soil

May 8, 2018 11:50 am

05/08/2018

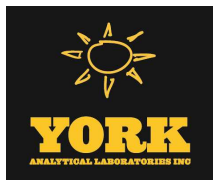
Semivolatiles, 8270 Comprehensive

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
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0916	0.183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0916	0.183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
83-32-9	Acenaphthene	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
208-96-8	Acenaphthylene	0.0703	J	mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
62-53-3	Aniline	ND		mg/kg dry	0.183	0.367	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
120-12-7	Anthracene	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
92-87-5	Benzidine	ND		mg/kg dry	0.183	0.367	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
56-55-3	Benzo(a)anthracene	0.190		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
50-32-8	Benzo(a)pyrene	0.247		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
205-99-2	Benzo(b)fluoranthene	0.170		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
191-24-2	Benzo(g,h,i)perylene	0.176		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
207-08-9	Benzo(k)fluoranthene	0.178		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
117-81-7	Bis(2-ethylhexyl)phthalate	0.116		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0916	0.183	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR



Sample Information

Client Sample ID: 016/LSB-16B

York Sample ID: 18E0411-16

York Project (SDG) No.

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100688801

Soil

May 8, 2018 11:50 am

05/08/2018

Semivolatiles, 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
86-74-8	Carbazole	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
218-01-9	Chrysene	0.173		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
206-44-0	Fluoranthene	0.202		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
86-73-7	Fluorene	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
193-39-5	Indeno(1,2,3-cd)pyrene	0.127	CCV-E	mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
85-01-8	Phenanthrene	0.0629	J	mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR



Sample Information

Client Sample ID: 016/LSB-16B

York Sample ID: 18E0411-16

York Project (SDG) No.
18E0411

Client Project ID
100688801

Matrix
Soil

Collection Date/Time
May 8, 2018 11:50 am

Date Received
05/08/2018

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-95-2	Phenol	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
129-00-0	Pyrene	0.287		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
110-86-1	Pyridine	ND		mg/kg dry	0.183	0.367	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/11/2018 23:45	SR
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: 2-Fluorophenol	57.6 %		20-108							
4165-62-2	Surrogate: Phenol-d5	61.5 %		23-114							
4165-60-0	Surrogate: Nitrobenzene-d5	68.9 %		22-108							
321-60-8	Surrogate: 2-Fluorobiphenyl	56.4 %		21-113							
118-79-6	Surrogate: 2,4,6-Tribromophenol	89.6 %		19-110							
1718-51-0	Surrogate: Terphenyl-d14	59.8 %		24-116							

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:27	SA
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:27	SA
50-29-3	4,4'-DDT	0.0127		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:27	SA
309-00-2	Aldrin	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:27	SA
319-84-6	alpha-BHC	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:27	SA
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/10/2018 13:56	05/14/2018 13:27	SA
319-85-7	beta-BHC	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:27	SA
57-74-9	Chlordane, total	ND		mg/kg dry	0.0360	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:27	SA
319-86-8	delta-BHC	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:27	SA
60-57-1	Dieldrin	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:27	SA
959-98-8	Endosulfan I	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:27	SA
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	05/10/2018 13:56	05/14/2018 13:27	SA
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:27	SA



Sample Information

Client Sample ID: 016/LSB-16B

York Sample ID: 18E0411-16

York Project (SDG) No.

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100688801

Soil

May 8, 2018 11:50 am

05/08/2018

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-20-8	Endrin	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:27	SA
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:27	SA
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:27	SA
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:27	SA
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/10/2018 13:56	05/14/2018 13:27	SA
76-44-8	Heptachlor	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:27	SA
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:27	SA
72-43-5	Methoxychlor	ND		mg/kg dry	0.00901	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:27	SA
8001-35-2	Toxaphene	ND		mg/kg dry	0.0912	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:27	SA
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	66.8 %		30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	23.7 %	GC-SC u	30-150						

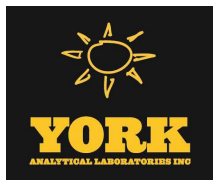
Polychlorinated Biphenyls (PCB), 8082 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:40	SA
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:40	SA
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:40	SA
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:40	SA
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:40	SA
11097-69-1	Aroclor 1254	0.151		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:40	SA
11096-82-5	Aroclor 1260	0.0635		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:40	SA
1336-36-3	* Total PCBs	0.215		mg/kg dry	0.0182	1	EPA 8082A Certifications:	05/10/2018 13:56	05/11/2018 17:40	SA
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	99.0 %		30-120						



Sample Information

Client Sample ID: 016/LSB-16B

York Sample ID: 18E0411-16

York Project (SDG) No.

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100688801

Soil

May 8, 2018 11:50 am

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Polychlorinated Biphenyls (PCB), 8082 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2051-24-3	Surrogate: Decachlorobiphenyl	52.2 %			30-120					

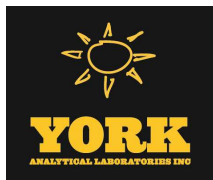
Metals, Target Analyte

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	6760		mg/kg dry	5.49	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:48	KML
7440-36-0	Antimony	ND		mg/kg dry	0.549	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:48	KML
7440-38-2	Arsenic	ND		mg/kg dry	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:48	KML
7440-39-3	Barium	63.7		mg/kg dry	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:48	KML
7440-41-7	Beryllium	0.294		mg/kg dry	0.110	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:48	KML
7440-43-9	Cadmium	ND		mg/kg dry	0.330	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:48	KML
7440-70-2	Calcium	6060		mg/kg dry	5.49	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:48	KML
7440-47-3	Chromium	14.3		mg/kg dry	0.549	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:48	KML
7440-48-4	Cobalt	5.57		mg/kg dry	0.549	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:48	KML
7440-50-8	Copper	22.0		mg/kg dry	0.549	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:48	KML
7439-89-6	Iron	15800		mg/kg dry	2.20	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:48	KML
7439-92-1	Lead	98.6		mg/kg dry	0.549	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:48	KML
7439-95-4	Magnesium	2750		mg/kg dry	5.49	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:48	KML
7439-96-5	Manganese	226		mg/kg dry	0.549	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:48	KML
7440-02-0	Nickel	20.6		mg/kg dry	0.549	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:48	KML
7440-09-7	Potassium	748		mg/kg dry	5.49	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:48	KML
7782-49-2	Selenium	ND		mg/kg dry	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:48	KML
7440-22-4	Silver	ND		mg/kg dry	0.549	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:48	KML
7440-23-5	Sodium	143		mg/kg dry	11.0	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/09/2018 09:42	05/10/2018 12:48	KML



Sample Information

Client Sample ID: 016/LSB-16B

York Sample ID: 18E0411-16

York Project (SDG) No.

Client Project ID

Matrix

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18E0411

100688801

Soil

May 8, 2018 11:50 am

05/08/2018

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-28-0	Thallium	ND		mg/kg dry	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:48	KML
7440-62-2	Vanadium	19.7		mg/kg dry	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:48	KML
7440-66-6	Zinc	88.1		mg/kg dry	1.65	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:48	KML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.0840		mg/kg dry	0.0330	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	05/09/2018 09:29	05/09/2018 13:14	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	91.0		%	0.100	1	SM 2540G Certifications: CTDOH	05/14/2018 14:33	05/14/2018 17:54	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	0.549	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	05/09/2018 10:27	05/09/2018 17:23	TJM

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	14.3		mg/kg	0.500	1	Calculation Certifications:	05/15/2018 13:32	05/15/2018 14:57	PAM

Sample Information

Client Sample ID: 017/LSB-14A

York Sample ID: 18E0411-17

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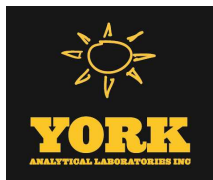
18E0411

100688801

Soil

May 8, 2018 12:25 pm

05/08/2018



Sample Information

Client Sample ID: 017/LSB-14A

York Sample ID: 18E0411-17

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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18E0411

100688801

Soil

May 8, 2018 12:25 pm

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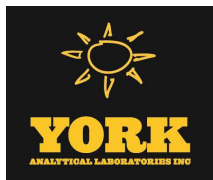
Volatiles, 8260 Comprehensive

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,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:55	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:55	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:55	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,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 16:55	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:55	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:55	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:55	SS
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:55	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:55	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 16:55	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:55	SS
95-63-6	1,2,4-Trimethylbenzene	0.12		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:55	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:55	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:55	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:55	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:55	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:55	SS
108-67-8	1,3,5-Trimethylbenzene	0.044		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:55	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:55	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:55	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:55	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.046	0.093	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:55	SS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 16:55	SS



Sample Information

Client Sample ID: 017/LSB-14A

York Sample ID: 18E0411-17

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0411

100688801

Soil

May 8, 2018 12:25 pm

05/08/2018

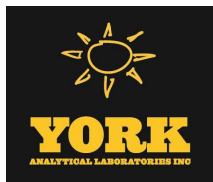
Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-93-3	2-Butanone	0.0060		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:55	SS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:55	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:55	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:55	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:55	SS
67-64-1	Acetone	0.026	SCAL-E	mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:55	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:55	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:55	SS
71-43-2	Benzene	0.0031	J	mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:55	SS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:55	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:55	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:55	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:55	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:55	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:55	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:55	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:55	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:55	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:55	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:55	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:55	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:55	SS
110-82-7	Cyclohexane	0.0086		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:55	SS



Sample Information

Client Sample ID: 017/LSB-14A

York Sample ID: 18E0411-17

York Project (SDG) No.

18E0411

Client Project ID

100688801

Matrix

Soil

Collection Date/Time

May 8, 2018 12:25 pm

Date Received

05/08/2018

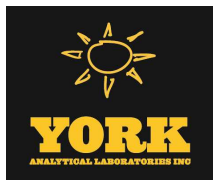
Volatiles, 8260 Comprehensive

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
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 16:55	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 16:55	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 16:55	SS
100-41-4	Ethyl Benzene	0.016		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 16:55	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 16:55	SS
98-82-8	Isopropylbenzene	0.0045	J	mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 16:55	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 16:55	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 16:55	SS
108-87-2	Methylcyclohexane	0.020		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 16:55	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 16:55	SS
104-51-8	n-Butylbenzene	0.011		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 16:55	SS
103-65-1	n-Propylbenzene	0.0097		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 16:55	SS
95-47-6	o-Xylene	0.054		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	05/11/2018 16:55	SS
179601-23-1	p- & m- Xylenes	0.046		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	05/11/2018 16:55	SS
99-87-6	p-Isopropyltoluene	0.0025	J	mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 16:55	SS
135-98-8	sec-Butylbenzene	0.0024	J	mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 16:55	SS
100-42-5	Styrene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 16:55	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0023	0.0093	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 16:55	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 16:55	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 16:55	SS
108-88-3	Toluene	0.017		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 16:55	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 16:55	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 16:55	SS



Sample Information

Client Sample ID: 017/LSB-14A

York Sample ID: 18E0411-17

York Project (SDG) No.
18E0411

Client Project ID
100688801

Matrix
Soil

Collection Date/Time
May 8, 2018 12:25 pm

Date Received
05/08/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:55	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:55	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 16:55	SS
1330-20-7	Xylenes, Total	0.10		mg/kg dry	0.0070	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 16:55	SS
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	97.7 %		77-125							
2037-26-5	Surrogate: Toluene-d8	110 %		85-120							
460-00-4	Surrogate: p-Bromofluorobenzene	106 %		76-130							

Semivolatiles, 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	0.0448	0.0895	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:12	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0895	0.179	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:12	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:12	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/14/2018 21:12	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:12	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/14/2018 21:12	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/14/2018 21:12	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0895	0.179	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:12	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:12	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:12	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:12	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:12	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0895	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:12	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:12	KH



Sample Information

Client Sample ID: 017/LSB-14A

York Sample ID: 18E0411-17

York Project (SDG) No.
18E0411

Client Project ID
100688801

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May 8, 2018 12:25 pm

Date Received
05/08/2018

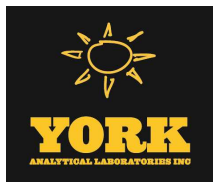
Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:12	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:12	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:12	KH
91-57-6	2-Methylnaphthalene	1.67		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:12	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:12	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0895	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:12	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:12	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:12	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:12	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0895	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:12	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0895	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:12	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:12	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:12	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:12	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:12	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0895	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:12	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0895	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:12	KH
83-32-9	Acenaphthene	0.569		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:12	KH
208-96-8	Acenaphthylene	0.215		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:12	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:12	KH
62-53-3	Aniline	ND		mg/kg dry	0.179	0.358	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:12	KH
120-12-7	Anthracene	1.45		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:12	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:12	KH



Sample Information

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May 8, 2018 12:25 pm

05/08/2018

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:12	KH
92-87-5	Benzidine	ND		mg/kg dry	0.179	0.358	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	05/10/2018 13:53	05/14/2018 21:12	KH
56-55-3	Benzo(a)anthracene	2.25		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:12	KH
50-32-8	Benzo(a)pyrene	2.31		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:12	KH
205-99-2	Benzo(b)fluoranthene	1.39		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:12	KH
191-24-2	Benzo(g,h,i)perylene	1.32		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:12	KH
207-08-9	Benzo(k)fluoranthene	1.57		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:12	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:12	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:12	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:12	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:12	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:12	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:12	KH
117-81-7	Bis(2-ethylhexyl)phthalate	4.23		mg/kg dry	0.112	0.224	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 03:06	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0895	0.179	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:12	KH
86-74-8	Carbazole	0.167		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:12	KH
218-01-9	Chrysene	2.24		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:12	KH
53-70-3	Dibenzo(a,h)anthracene	0.447		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:12	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:12	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:12	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:12	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:12	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:12	KH



Sample Information

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100688801

Soil

May 8, 2018 12:25 pm

05/08/2018

Semivolatiles, 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
206-44-0	Fluoranthene	3.35		mg/kg dry	0.112	0.224	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 03:06	SR
86-73-7	Fluorene	1.17		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:12	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:12	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:12	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:12	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:12	KH
193-39-5	Indeno(1,2,3-cd)pyrene	1.05		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:12	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:12	KH
91-20-3	Naphthalene	0.929		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:12	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:12	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:12	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:12	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:12	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:12	KH
85-01-8	Phenanthrene	5.09		mg/kg dry	0.112	0.224	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 03:06	SR
108-95-2	Phenol	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:12	KH
129-00-0	Pyrene	5.42	CCV-E	mg/kg dry	0.112	0.224	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 03:06	SR
110-86-1	Pyridine	ND		mg/kg dry	0.179	0.358	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:12	KH
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	27.7 %	20-108								
4165-62-2	Surrogate: Phenol-d5	35.3 %	23-114								
4165-60-0	Surrogate: Nitrobenzene-d5	34.1 %	22-108								
321-60-8	Surrogate: 2-Fluorobiphenyl	39.8 %	21-113								
118-79-6	Surrogate: 2,4,6-Tribromophenol	57.9 %	19-110								
1718-51-0	Surrogate: Terphenyl-d14	42.1 %	24-116								



Sample Information

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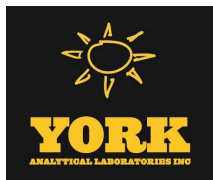
Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:42	SA
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:42	SA
50-29-3	4,4'-DDT	0.0181		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:42	SA
309-00-2	Aldrin	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:42	SA
319-84-6	alpha-BHC	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:42	SA
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/10/2018 13:56	05/14/2018 13:42	SA
319-85-7	beta-BHC	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:42	SA
57-74-9	Chlordane, total	ND		mg/kg dry	0.0353	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:42	SA
319-86-8	delta-BHC	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:42	SA
60-57-1	Dieldrin	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:42	SA
959-98-8	Endosulfan I	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:42	SA
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	05/10/2018 13:56	05/14/2018 13:42	SA
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:42	SA
72-20-8	Endrin	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:42	SA
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:42	SA
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:42	SA
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:42	SA
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/10/2018 13:56	05/14/2018 13:42	SA
76-44-8	Heptachlor	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:42	SA
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:42	SA
72-43-5	Methoxychlor	ND		mg/kg dry	0.00882	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:42	SA
8001-35-2	Toxaphene	ND		mg/kg dry	0.0893	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:42	SA
Surrogate Recoveries		Result	Acceptance Range							



Sample Information

Client Sample ID: 017/LSB-14A

York Sample ID: 18E0411-17

York Project (SDG) No.
18E0411

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May 8, 2018 12:25 pm

Date Received
05/08/2018

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2051-24-3	Surrogate: Decachlorobiphenyl	63.1 %			30-150					
877-09-8	Surrogate: Tetrachloro-m-xylene	24.7 %	GC-SC		30-150					
			u							

Polychlorinated Biphenyls (PCB), 8082 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:53	SA
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:53	SA
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:53	SA
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:53	SA
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:53	SA
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:53	SA
11096-82-5	Aroclor 1260	0.127		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 17:53	SA
1336-36-3	* Total PCBs	0.127		mg/kg dry	0.0178	1	EPA 8082A Certifications:	05/10/2018 13:56	05/11/2018 17:53	SA
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	71.3 %			30-120					
2051-24-3	Surrogate: Decachlorobiphenyl	48.8 %			30-120					

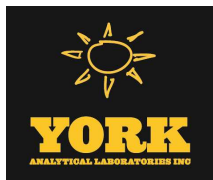
Metals, Target Analyte

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	5160		mg/kg dry	5.37	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:54	KML
7440-36-0	Antimony	4.58		mg/kg dry	0.537	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:54	KML
7440-38-2	Arsenic	1.10		mg/kg dry	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:54	KML
7440-39-3	Barium	171		mg/kg dry	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:54	KML
7440-41-7	Beryllium	0.248		mg/kg dry	0.107	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:54	KML



Sample Information

Client Sample ID: 017/LSB-14A

York Sample ID: 18E0411-17

York Project (SDG) No.

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18E0411

100688801

Soil

May 8, 2018 12:25 pm

05/08/2018

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	2.45		mg/kg dry	0.322	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:54	KML
7440-70-2	Calcium	5270		mg/kg dry	5.37	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:54	KML
7440-47-3	Chromium	21.7		mg/kg dry	0.537	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:54	KML
7440-48-4	Cobalt	6.15		mg/kg dry	0.537	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:54	KML
7440-50-8	Copper	97.8		mg/kg dry	0.537	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:54	KML
7439-89-6	Iron	15900		mg/kg dry	2.15	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:54	KML
7439-92-1	Lead	462		mg/kg dry	0.537	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:54	KML
7439-95-4	Magnesium	3250		mg/kg dry	5.37	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:54	KML
7439-96-5	Manganese	205		mg/kg dry	0.537	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:54	KML
7440-02-0	Nickel	42.6		mg/kg dry	0.537	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:54	KML
7440-09-7	Potassium	572		mg/kg dry	5.37	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:54	KML
7782-49-2	Selenium	ND		mg/kg dry	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:54	KML
7440-22-4	Silver	ND		mg/kg dry	0.537	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:54	KML
7440-23-5	Sodium	160		mg/kg dry	10.7	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/09/2018 09:42	05/10/2018 12:54	KML
7440-28-0	Thallium	ND		mg/kg dry	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:54	KML
7440-62-2	Vanadium	16.8		mg/kg dry	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:54	KML
7440-66-6	Zinc	2500		mg/kg dry	1.61	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:54	KML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.266		mg/kg dry	0.0322	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	05/09/2018 09:29	05/09/2018 13:54	SY



Sample Information

Client Sample ID: 017/LSB-14A

York Sample ID: 18E0411-17

York Project (SDG) No.

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Matrix

Collection Date/Time

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Soil

May 8, 2018 12:25 pm

05/08/2018

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	93.2		%	0.100	1	SM 2540G Certifications: CTDOH	05/14/2018 14:33	05/14/2018 17:54	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	0.537	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	05/09/2018 10:27	05/09/2018 17:23	TJM

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	21.7		mg/kg	0.500	1	Calculation Certifications:	05/15/2018 13:32	05/15/2018 14:57	PAM

Sample Information

Client Sample ID: 018/LSB-14B

York Sample ID: 18E0411-18

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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100688801

Soil

May 8, 2018 12:30 pm

05/08/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 17:26	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 17:26	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 17:26	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 17:26	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 17:26	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 17:26	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 17:26	SS



Sample Information

Client Sample ID: 018/LSB-14B

York Sample ID: 18E0411-18

York Project (SDG) No.

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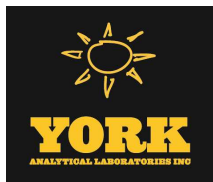
Volatiles, 8260 Comprehensive

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
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 17:26	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 17:26	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 17:26	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 17:26	SS
95-63-6	1,2,4-Trimethylbenzene	0.082		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 17:26	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 17:26	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 17:26	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 17:26	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 17:26	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 17:26	SS
108-67-8	1,3,5-Trimethylbenzene	0.027		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 17:26	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 17:26	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 17:26	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 17:26	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.052	0.10	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 17:26	SS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 17:26	SS
78-93-3	2-Butanone	0.011		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 17:26	SS
95-49-8	2-Chlorotoluene	0.0083		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 17:26	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 17:26	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 17:26	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 17:26	SS
67-64-1	Acetone	0.050	SCAL-E	mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 17:26	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 17:26	SS



Sample Information

Client Sample ID: 018/LSB-14B

York Sample ID: 18E0411-18

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0411

100688801

Soil

May 8, 2018 12:30 pm

05/08/2018

Volatiles, 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
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:26	SS
71-43-2	Benzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:26	SS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:26	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:26	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:26	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:26	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:26	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:26	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:26	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:26	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:26	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:26	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:26	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:26	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:26	SS
110-82-7	Cyclohexane	0.011		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:26	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:26	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:26	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:26	SS
100-41-4	Ethyl Benzene	0.0092		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:26	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:26	SS
98-82-8	Isopropylbenzene	0.0036	J	mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:26	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:26	SS



Sample Information

Client Sample ID: 018/LSB-14B

York Sample ID: 18E0411-18

York Project (SDG) No.

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Collection Date/Time

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18E0411

100688801

Soil

May 8, 2018 12:30 pm

05/08/2018

Volatiles, 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
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 17:26	SS
108-87-2	Methylcyclohexane	0.016		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 17:26	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 17:26	SS
104-51-8	n-Butylbenzene	0.0071		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 17:26	SS
103-65-1	n-Propylbenzene	0.0067		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 17:26	SS
95-47-6	o-Xylene	0.035		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 17:26	SS
179601-23-1	p- & m- Xylenes	0.034		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 17:26	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 17:26	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 17:26	SS
100-42-5	Styrene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 17:26	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0026	0.010	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 17:26	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 17:26	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 17:26	SS
108-88-3	Toluene	0.011		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 17:26	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 17:26	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 17:26	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 17:26	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 17:26	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 17:26	SS
1330-20-7	Xylenes, Total	0.068		mg/kg dry	0.0078	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 17:26	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	102 %	76-130								



Sample Information

Client Sample ID: 018/LSB-14B

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100688801

Soil

May 8, 2018 12:30 pm

05/08/2018

Semivolatiles, 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	0.0464	0.0925	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:45	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0925	0.185	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:45	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:45	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/14/2018 21:45	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:45	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/14/2018 21:45	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/14/2018 21:45	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0925	0.185	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:45	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:45	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:45	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:45	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:45	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0925	0.185	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:45	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:45	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:45	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:45	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:45	KH
91-57-6	2-Methylnaphthalene	0.904		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:45	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:45	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0925	0.185	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:45	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:45	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:45	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:45	KH



Sample Information

Client Sample ID: 018/LSB-14B

York Sample ID: 18E0411-18

York Project (SDG) No.

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100688801

Soil

May 8, 2018 12:30 pm

05/08/2018

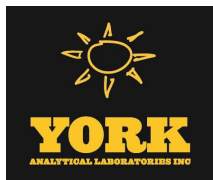
Semivolatiles, 8270 Comprehensive

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	0.0925	0.185	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:45	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0925	0.185	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:45	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:45	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:45	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:45	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:45	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0925	0.185	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:45	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0925	0.185	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:45	KH
83-32-9	Acenaphthene	0.319		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:45	KH
208-96-8	Acenaphthylene	0.108		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:45	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:45	KH
62-53-3	Aniline	ND		mg/kg dry	0.185	0.370	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:45	KH
120-12-7	Anthracene	0.892		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:45	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:45	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:45	KH
92-87-5	Benzidine	ND		mg/kg dry	0.185	0.370	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	05/10/2018 13:53	05/14/2018 21:45	KH
56-55-3	Benzo(a)anthracene	1.51		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:45	KH
50-32-8	Benzo(a)pyrene	1.40		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:45	KH
205-99-2	Benzo(b)fluoranthene	1.06		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:45	KH
191-24-2	Benzo(g,h,i)perylene	0.849		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:45	KH
207-08-9	Benzo(k)fluoranthene	1.04		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:45	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:45	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:45	KH



Sample Information

Client Sample ID: 018/LSB-14B

York Sample ID: 18E0411-18

York Project (SDG) No.

Client Project ID

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18E0411

100688801

Soil

May 8, 2018 12:30 pm

05/08/2018

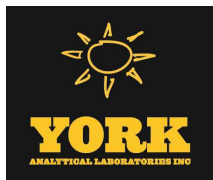
Semivolatiles, 8270 Comprehensive

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	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:45	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:45	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:45	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:45	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:45	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0925	0.185	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:45	KH
86-74-8	Carbazole	0.187		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:45	KH
218-01-9	Chrysene	1.44		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:45	KH
53-70-3	Dibenzo(a,h)anthracene	0.327		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:45	KH
132-64-9	Dibenzofuran	0.163		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:45	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:45	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:45	KH
84-74-2	Di-n-butyl phthalate	0.0717	J	mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:45	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:45	KH
206-44-0	Fluoranthene	3.01		mg/kg dry	0.116	0.231	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/15/2018 12:11	KH
86-73-7	Fluorene	0.556		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:45	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:45	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:45	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:45	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:45	KH
193-39-5	Indeno(1,2,3-cd)pyrene	0.700		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:45	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:45	KH
91-20-3	Naphthalene	0.551		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:45	KH



Sample Information

Client Sample ID: 018/LSB-14B

York Sample ID: 18E0411-18

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

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100688801

Soil

May 8, 2018 12:30 pm

05/08/2018

Semivolatiles, 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	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:45	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:45	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:45	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:45	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:45	KH
85-01-8	Phenanthrene	3.17		mg/kg dry	0.116	0.231	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/15/2018 12:11	KH
108-95-2	Phenol	ND		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:45	KH
129-00-0	Pyrene	2.85		mg/kg dry	0.0464	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:45	KH
110-86-1	Pyridine	ND		mg/kg dry	0.185	0.370	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/14/2018 21:45	KH
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: 2-Fluorophenol	45.4 %									
4165-62-2	Surrogate: Phenol-d5	49.9 %									
4165-60-0	Surrogate: Nitrobenzene-d5	50.7 %									
321-60-8	Surrogate: 2-Fluorobiphenyl	47.6 %									
118-79-6	Surrogate: 2,4,6-Tribromophenol	83.2 %									
1718-51-0	Surrogate: Terphenyl-d14	48.3 %									

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:57	SA
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:57	SA
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:57	SA
309-00-2	Aldrin	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:57	SA
319-84-6	alpha-BHC	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:57	SA
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/10/2018 13:56	05/14/2018 13:57	SA
319-85-7	beta-BHC	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:57	SA



Sample Information

Client Sample ID: 018/LSB-14B

York Sample ID: 18E0411-18

York Project (SDG) No.
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May 8, 2018 12:30 pm

Date Received
05/08/2018

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-74-9	Chlordane, total	ND		mg/kg dry	0.0365	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:57	SA
319-86-8	delta-BHC	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:57	SA
60-57-1	Dieldrin	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:57	SA
959-98-8	Endosulfan I	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:57	SA
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	05/10/2018 13:56	05/14/2018 13:57	SA
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:57	SA
72-20-8	Endrin	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:57	SA
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:57	SA
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:57	SA
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:57	SA
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/10/2018 13:56	05/14/2018 13:57	SA
76-44-8	Heptachlor	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:57	SA
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:57	SA
72-43-5	Methoxychlor	ND		mg/kg dry	0.00913	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:57	SA
8001-35-2	Toxaphene	ND		mg/kg dry	0.0924	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 13:57	SA
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	67.6 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	36.4 %	30-150							

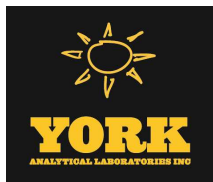
Polychlorinated Biphenyls (PCB), 8082 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 18:06	SA
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 18:06	SA
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 18:06	SA



Sample Information

Client Sample ID: 018/LSB-14B

York Sample ID: 18E0411-18

York Project (SDG) No.

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Polychlorinated Biphenyls (PCB), 8082 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 18:06	SA
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 18:06	SA
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 18:06	SA
11096-82-5	Aroclor 1260	0.0440		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 18:06	SA
1336-36-3	* Total PCBs	0.0440		mg/kg dry	0.0184	1	EPA 8082A Certifications:	05/10/2018 13:56	05/11/2018 18:06	SA
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	95.0 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	50.2 %	30-120							

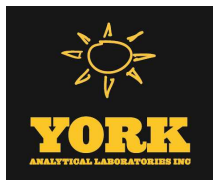
Metals, Target Analyte

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	5030		mg/kg dry	5.56	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:56	KML
7440-36-0	Antimony	30.9		mg/kg dry	0.556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:56	KML
7440-38-2	Arsenic	1.81		mg/kg dry	1.11	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:56	KML
7440-39-3	Barium	385		mg/kg dry	1.11	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:56	KML
7440-41-7	Beryllium	0.202		mg/kg dry	0.111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:56	KML
7440-43-9	Cadmium	6.82		mg/kg dry	0.333	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:56	KML
7440-70-2	Calcium	13200		mg/kg dry	5.56	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:56	KML
7440-47-3	Chromium	44.8		mg/kg dry	0.556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:56	KML
7440-48-4	Cobalt	5.46		mg/kg dry	0.556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:56	KML
7440-50-8	Copper	191		mg/kg dry	0.556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:56	KML
7439-89-6	Iron	27000		mg/kg dry	2.22	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:56	KML
7439-92-1	Lead	1640		mg/kg dry	0.556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:56	KML



Sample Information

Client Sample ID: 018/LSB-14B

York Sample ID: 18E0411-18

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100688801

Matrix

Soil

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May 8, 2018 12:30 pm

Date Received

05/08/2018

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-95-4	Magnesium	3540		mg/kg dry	5.56	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:56	KML
7439-96-5	Manganese	225		mg/kg dry	0.556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:56	KML
7440-02-0	Nickel	63.4		mg/kg dry	0.556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:56	KML
7440-09-7	Potassium	605		mg/kg dry	5.56	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:56	KML
7782-49-2	Selenium	ND		mg/kg dry	1.11	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:56	KML
7440-22-4	Silver	ND		mg/kg dry	0.556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:56	KML
7440-23-5	Sodium	456		mg/kg dry	11.1	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/09/2018 09:42	05/10/2018 12:56	KML
7440-28-0	Thallium	ND		mg/kg dry	1.11	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:56	KML
7440-62-2	Vanadium	19.0		mg/kg dry	1.11	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:56	KML
7440-66-6	Zinc	5070		mg/kg dry	16.7	10	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/15/2018 12:59	KML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.263		mg/kg dry	0.0333	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	05/09/2018 09:29	05/09/2018 14:04	SY

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	90.0		%	0.100	1	SM 2540G Certifications: CTDOH	05/14/2018 14:33	05/14/2018 17:54	TAJ

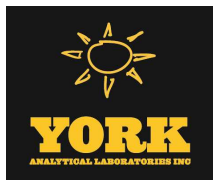
Chromium, Hexavalent

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	0.556	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	05/09/2018 10:27	05/09/2018 17:23	TJM



Sample Information

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Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	44.8		mg/kg	0.500	1	Calculation Certifications:	05/15/2018 13:32	05/15/2018 14:57	PAM

Sample Information

Client Sample ID: 019/LSB-19A

York Sample ID: 18E0411-19

York Project (SDG) No.

Client Project ID

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May 8, 2018 1:10 pm

05/08/2018

Volatiles, 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	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS



Sample Information

Client Sample ID: 019/LSB-19A

York Sample ID: 18E0411-19

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0411

100688801

Soil

May 8, 2018 1:10 pm

05/08/2018

Volatiles, 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	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.057	0.11	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
67-64-1	Acetone	0.011	SCAL- E	mg/kg dry	0.0057	0.011	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0057	0.011	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
71-43-2	Benzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS



Sample Information

Client Sample ID: 019/LSB-19A

York Sample ID: 18E0411-19

York Project (SDG) No.
18E0411

Client Project ID
100688801

Matrix
Soil

Collection Date/Time
May 8, 2018 1:10 pm

Date Received
05/08/2018

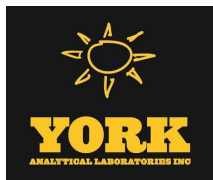
Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
75-09-2	Methylene chloride	0.0062	SCAL- E, J	mg/kg dry	0.0057	0.011	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0057	0.011	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS



Sample Information

Client Sample ID: 019/LSB-19A

York Sample ID: 18E0411-19

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0411

100688801

Soil

May 8, 2018 1:10 pm

05/08/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
100-42-5	Styrene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0028	0.011	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
108-88-3	Toluene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0085	0.017	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 17:58	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	104 %	77-125								
2037-26-5	Surrogate: Toluene-d8	103 %	85-120								
460-00-4	Surrogate: p-Bromofluorobenzene	103 %	76-130								

Semivolatiles, 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	0.0443	0.0884	2	EPA 8270D Certifications:	05/10/2018 13:53	05/12/2018 01:18	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0884	0.177	2	EPA 8270D Certifications:	05/10/2018 13:53	05/12/2018 01:18	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications:	05/10/2018 13:53	05/12/2018 01:18	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications:	05/10/2018 13:53	05/12/2018 01:18	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications:	05/10/2018 13:53	05/12/2018 01:18	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications:	05/10/2018 13:53	05/12/2018 01:18	SR



Sample Information

Client Sample ID: 019/LSB-19A

York Sample ID: 18E0411-19

York Project (SDG) No.

Client Project ID

Matrix

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18E0411

100688801

Soil

May 8, 2018 1:10 pm

05/08/2018

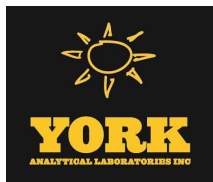
Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0884	0.177	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0884	0.177	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
91-57-6	2-Methylnaphthalene	0.0608	J	mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0884	0.177	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0884	0.177	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0884	0.177	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR



Sample Information

Client Sample ID: 019/LSB-19A

York Sample ID: 18E0411-19

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0411

100688801

Soil

May 8, 2018 1:10 pm

05/08/2018

Semivolatiles, 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
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0884	0.177	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0884	0.177	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
83-32-9	Acenaphthene	0.0473	J	mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
208-96-8	Acenaphthylene	0.194		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
62-53-3	Aniline	ND		mg/kg dry	0.177	0.354	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
120-12-7	Anthracene	0.225		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
92-87-5	Benzidine	ND		mg/kg dry	0.177	0.354	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
56-55-3	Benzo(a)anthracene	0.787		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
50-32-8	Benzo(a)pyrene	0.928		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
205-99-2	Benzo(b)fluoranthene	0.700		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
191-24-2	Benzo(g,h,i)perylene	0.560		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
207-08-9	Benzo(k)fluoranthene	0.683		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
85-68-7	Benzyl butyl phthalate	0.0813	J	mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
117-81-7	Bis(2-ethylhexyl)phthalate	0.300		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0884	0.177	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR



Sample Information

Client Sample ID: 019/LSB-19A

York Sample ID: 18E0411-19

York Project (SDG) No.

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100688801

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May 8, 2018 1:10 pm

05/08/2018

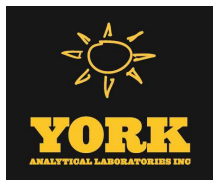
Semivolatiles, 8270 Comprehensive

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
86-74-8	Carbazole	0.0488	J	mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
218-01-9	Chrysene	0.773		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
53-70-3	Dibenzo(a,h)anthracene	0.194	CCV-E	mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
206-44-0	Fluoranthene	1.14		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
86-73-7	Fluorene	0.122		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
193-39-5	Indeno(1,2,3-cd)pyrene	0.452	CCV-E	mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
85-01-8	Phenanthrene	0.749		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR



Sample Information

Client Sample ID: 019/LSB-19A

York Sample ID: 18E0411-19

York Project (SDG) No.
18E0411

Client Project ID
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Soil

Collection Date/Time
May 8, 2018 1:10 pm

Date Received
05/08/2018

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-95-2	Phenol	ND		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
129-00-0	Pyrene	1.41		mg/kg dry	0.0443	0.0884	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
110-86-1	Pyridine	ND		mg/kg dry	0.177	0.354	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:18	SR
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: 2-Fluorophenol	39.3 %		20-108							
4165-62-2	Surrogate: Phenol-d5	43.8 %		23-114							
4165-60-0	Surrogate: Nitrobenzene-d5	48.7 %		22-108							
321-60-8	Surrogate: 2-Fluorobiphenyl	42.6 %		21-113							
118-79-6	Surrogate: 2,4,6-Tribromophenol	68.1 %		19-110							
1718-51-0	Surrogate: Terphenyl-d14	46.5 %		24-116							

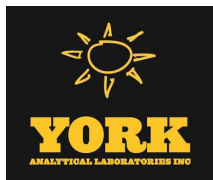
Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:33	SA
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:33	SA
50-29-3	4,4'-DDT	0.0117		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:33	SA
309-00-2	Aldrin	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:33	SA
319-84-6	alpha-BHC	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:33	SA
5103-71-9	alpha-Chlordane	0.0121		mg/kg dry	0.00174	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/10/2018 13:56	05/14/2018 15:33	SA
319-85-7	beta-BHC	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:33	SA
57-74-9	Chlordane, total	ND		mg/kg dry	0.0349	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:33	SA
319-86-8	delta-BHC	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:33	SA
60-57-1	Dieldrin	0.00559		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:33	SA
959-98-8	Endosulfan I	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:33	SA
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	05/10/2018 13:56	05/14/2018 15:33	SA
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:33	SA



Sample Information

Client Sample ID: 019/LSB-19A

York Sample ID: 18E0411-19

York Project (SDG) No.

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18E0411

100688801

Soil

May 8, 2018 1:10 pm

05/08/2018

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-20-8	Endrin	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:33	SA
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:33	SA
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:33	SA
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:33	SA
5566-34-7	gamma-Chlordane	0.00938		mg/kg dry	0.00174	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/10/2018 13:56	05/14/2018 15:33	SA
76-44-8	Heptachlor	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:33	SA
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:33	SA
72-43-5	Methoxychlor	ND		mg/kg dry	0.00871	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:33	SA
8001-35-2	Toxaphene	ND		mg/kg dry	0.0882	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:33	SA
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	91.1 %								
877-09-8	Surrogate: Tetrachloro-m-xylene	25.4 %	GC-SC u							

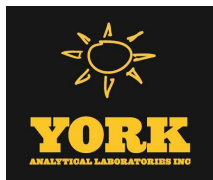
Polychlorinated Biphenyls (PCB), 8082 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 18:18	SA
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 18:18	SA
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 18:18	SA
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 18:18	SA
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 18:18	SA
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 18:18	SA
11096-82-5	Aroclor 1260	0.0353		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 18:18	SA
1336-36-3	* Total PCBs	0.0353		mg/kg dry	0.0176	1	EPA 8082A Certifications:	05/10/2018 13:56	05/11/2018 18:18	SA
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	90.6 %								



Sample Information

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Polychlorinated Biphenyls (PCB), 8082 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2051-24-3	Surrogate: Decachlorobiphenyl	70.8 %			30-120					

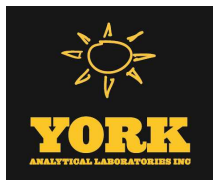
Metals, Target Analyte

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	6350		mg/kg dry	5.31	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:58	KML
7440-36-0	Antimony	ND		mg/kg dry	0.531	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:58	KML
7440-38-2	Arsenic	3.73		mg/kg dry	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:58	KML
7440-39-3	Barium	305		mg/kg dry	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:58	KML
7440-41-7	Beryllium	0.321		mg/kg dry	0.106	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:58	KML
7440-43-9	Cadmium	1.17		mg/kg dry	0.319	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:58	KML
7440-70-2	Calcium	19300		mg/kg dry	5.31	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:58	KML
7440-47-3	Chromium	20.9		mg/kg dry	0.531	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:58	KML
7440-48-4	Cobalt	6.74		mg/kg dry	0.531	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:58	KML
7440-50-8	Copper	104		mg/kg dry	0.531	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:58	KML
7439-89-6	Iron	19100		mg/kg dry	2.12	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:58	KML
7439-92-1	Lead	426		mg/kg dry	0.531	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:58	KML
7439-95-4	Magnesium	7500		mg/kg dry	5.31	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:58	KML
7439-96-5	Manganese	246		mg/kg dry	0.531	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:58	KML
7440-02-0	Nickel	24.6		mg/kg dry	0.531	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:58	KML
7440-09-7	Potassium	639		mg/kg dry	5.31	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:58	KML
7782-49-2	Selenium	ND		mg/kg dry	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:58	KML
7440-22-4	Silver	ND		mg/kg dry	0.531	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 12:58	KML



Sample Information

Client Sample ID: 019/LSB-19A

York Sample ID: 18E0411-19

York Project (SDG) No.

18E0411

Client Project ID

100688801

Matrix

Soil

Collection Date/Time

May 8, 2018 1:10 pm

Date Received

05/08/2018

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	170		mg/kg dry	10.6	1	EPA 6010C	05/09/2018 09:42	05/10/2018 12:58	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
7440-28-0	Thallium	ND		mg/kg dry	1.06	1	EPA 6010C	05/09/2018 09:42	05/10/2018 12:58	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-62-2	Vanadium	22.9		mg/kg dry	1.06	1	EPA 6010C	05/09/2018 09:42	05/10/2018 12:58	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-66-6	Zinc	414		mg/kg dry	1.59	1	EPA 6010C	05/09/2018 09:42	05/10/2018 12:58	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

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	0.505		mg/kg dry	0.0319	1	EPA 7473	05/09/2018 09:29	05/09/2018 14:13	SY
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	94.1		%	0.100	1	SM 2540G	05/14/2018 14:33	05/14/2018 17:54	TAJ
							Certifications: CTDOH			

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	0.531	1	EPA 7196A	05/09/2018 10:27	05/09/2018 17:23	TJM
							Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP			

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	20.9		mg/kg	0.500	1	Calculation	05/15/2018 13:32	05/15/2018 14:57	PAM
							Certifications:			



Sample Information

Client Sample ID: 020/LSB-19B

York Sample ID: 18E0411-20

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0411

100688801

Soil

May 8, 2018 2:00 pm

05/08/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 18:30	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 18:30	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.052	0.10	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 18:30	SS



Sample Information

Client Sample ID: 020/LSB-19B

York Sample ID: 18E0411-20

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0411

100688801

Soil

May 8, 2018 2:00 pm

05/08/2018

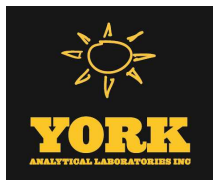
Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-93-3	2-Butanone	0.0080		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
67-64-1	Acetone	0.040	SCAL- E	mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
71-43-2	Benzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS



Sample Information

Client Sample ID: 020/LSB-19B

York Sample ID: 18E0411-20

York Project (SDG) No.
18E0411

Client Project ID
100688801

Matrix
Soil

Collection Date/Time
May 8, 2018 2:00 pm

Date Received
05/08/2018

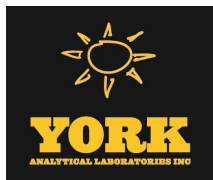
Volatiles, 8260 Comprehensive

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
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 18:30	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 18:30	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 18:30	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 18:30	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 18:30	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 18:30	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 18:30	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 18:30	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 18:30	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 18:30	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 18:30	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 18:30	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 18:30	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 18:30	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 18:30	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 18:30	SS
100-42-5	Styrene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 18:30	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0026	0.010	1	EPA 8260C Certifications:	05/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 18:30	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 18:30	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 18:30	SS
108-88-3	Toluene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 18:30	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 18:30	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications:	05/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 18:30	SS



Sample Information

Client Sample ID: 020/LSB-19B

York Sample ID: 18E0411-20

York Project (SDG) No.

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100688801

Soil

May 8, 2018 2:00 pm

05/08/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 18:30	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0078	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 18:30	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	103 %		76-130							

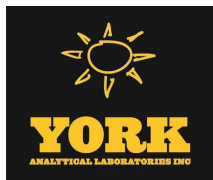
Semivolatiles, 8270 Comprehensive

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	0.0933	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0933	0.186	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0933	0.186	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0933	0.186	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR



Sample Information

Client Sample ID: 020/LSB-19B

York Sample ID: 18E0411-20

York Project (SDG) No.

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May 8, 2018 2:00 pm

05/08/2018

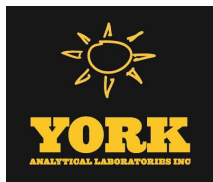
Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0933	0.186	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0933	0.186	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0933	0.186	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0933	0.186	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0933	0.186	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
83-32-9	Acenaphthene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
208-96-8	Acenaphthylene	0.0977		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
62-53-3	Aniline	ND		mg/kg dry	0.187	0.374	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
120-12-7	Anthracene	0.200		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR



Sample Information

Client Sample ID: 020/LSB-19B

York Sample ID: 18E0411-20

York Project (SDG) No.

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Soil

May 8, 2018 2:00 pm

05/08/2018

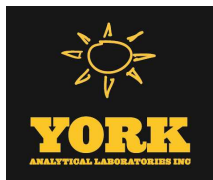
Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
92-87-5	Benzidine	ND		mg/kg dry	0.187	0.374	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
56-55-3	Benzo(a)anthracene	0.699		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
50-32-8	Benzo(a)pyrene	0.781		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
205-99-2	Benzo(b)fluoranthene	0.536		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
191-24-2	Benzo(g,h,i)perylene	0.376		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
207-08-9	Benzo(k)fluoranthene	0.563		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
85-68-7	Benzyl butyl phthalate	0.396		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
117-81-7	Bis(2-ethylhexyl)phthalate	0.177		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0933	0.186	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
86-74-8	Carbazole	0.0529	J	mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
218-01-9	Chrysene	0.674		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
53-70-3	Dibenzo(a,h)anthracene	0.142	CCV-E	mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR



Sample Information

Client Sample ID: 020/LSB-19B

York Sample ID: 18E0411-20

York Project (SDG) No.
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May 8, 2018 2:00 pm

Date Received
05/08/2018

Semivolatiles, 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
206-44-0	Fluoranthene	0.859		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
86-73-7	Fluorene	0.0843	J	mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
193-39-5	Indeno(1,2,3-cd)pyrene	0.304	CCV-E	mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
85-01-8	Phenanthrene	0.555		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
108-95-2	Phenol	ND		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
129-00-0	Pyrene	1.13		mg/kg dry	0.0468	0.0933	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
110-86-1	Pyridine	ND		mg/kg dry	0.187	0.374	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:53	05/12/2018 01:49	SR
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	52.3 %	20-108								
4165-62-2	Surrogate: Phenol-d5	58.2 %	23-114								
4165-60-0	Surrogate: Nitrobenzene-d5	68.4 %	22-108								
321-60-8	Surrogate: 2-Fluorobiphenyl	58.6 %	21-113								
118-79-6	Surrogate: 2,4,6-Tribromophenol	89.2 %	19-110								
1718-51-0	Surrogate: Terphenyl-d14	58.5 %	24-116								



Sample Information

Client Sample ID: 020/LSB-19B

York Sample ID: 18E0411-20

York Project (SDG) No.
18E0411

Client Project ID
100688801

Matrix
Soil

Collection Date/Time
May 8, 2018 2:00 pm

Date Received
05/08/2018

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:47	SA
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:47	SA
50-29-3	4,4'-DDT	0.00444		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:47	SA
309-00-2	Aldrin	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:47	SA
319-84-6	alpha-BHC	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:47	SA
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/10/2018 13:56	05/14/2018 15:47	SA
319-85-7	beta-BHC	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:47	SA
57-74-9	Chlordane, total	ND		mg/kg dry	0.0370	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:47	SA
319-86-8	delta-BHC	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:47	SA
60-57-1	Dieldrin	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:47	SA
959-98-8	Endosulfan I	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:47	SA
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	05/10/2018 13:56	05/14/2018 15:47	SA
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:47	SA
72-20-8	Endrin	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:47	SA
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:47	SA
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:47	SA
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:47	SA
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/10/2018 13:56	05/14/2018 15:47	SA
76-44-8	Heptachlor	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:47	SA
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:47	SA
72-43-5	Methoxychlor	ND		mg/kg dry	0.00925	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:47	SA
8001-35-2	Toxaphene	ND		mg/kg dry	0.0936	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 13:56	05/14/2018 15:47	SA
Surrogate Recoveries		Result	Acceptance Range							



Sample Information

Client Sample ID: 020/LSB-19B

York Sample ID: 18E0411-20

York Project (SDG) No.
18E0411

Client Project ID
100688801

Matrix
Soil

Collection Date/Time
May 8, 2018 2:00 pm

Date Received
05/08/2018

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2051-24-3	Surrogate: Decachlorobiphenyl	64.2 %			30-150					
877-09-8	Surrogate: Tetrachloro-m-xylene	19.9 %	GC-SC		30-150					
			u							

Polychlorinated Biphenyls (PCB), 8082 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 18:31	SA
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 18:31	SA
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 18:31	SA
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 18:31	SA
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 18:31	SA
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 18:31	SA
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/10/2018 13:56	05/11/2018 18:31	SA
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications:	05/10/2018 13:56	05/11/2018 18:31	SA

Surrogate Recoveries		Result	Acceptance Range
877-09-8	Surrogate: Tetrachloro-m-xylene	98.5 %	30-120
2051-24-3	Surrogate: Decachlorobiphenyl	54.1 %	30-120

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	5750		mg/kg dry	5.61	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 13:00	KML
7440-36-0	Antimony	0.587		mg/kg dry	0.561	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 13:00	KML
7440-38-2	Arsenic	2.62		mg/kg dry	1.12	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 13:00	KML
7440-39-3	Barium	481		mg/kg dry	1.12	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 13:00	KML
7440-41-7	Beryllium	0.298		mg/kg dry	0.112	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 13:00	KML



Sample Information

Client Sample ID: 020/LSB-19B

York Sample ID: 18E0411-20

York Project (SDG) No.

Client Project ID

Matrix

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18E0411

100688801

Soil

May 8, 2018 2:00 pm

05/08/2018

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	0.720		mg/kg dry	0.337	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 13:00	KML
7440-70-2	Calcium	18600		mg/kg dry	5.61	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 13:00	KML
7440-47-3	Chromium	23.9		mg/kg dry	0.561	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 13:00	KML
7440-48-4	Cobalt	5.54		mg/kg dry	0.561	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 13:00	KML
7440-50-8	Copper	120		mg/kg dry	0.561	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 13:00	KML
7439-89-6	Iron	17400		mg/kg dry	2.25	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 13:00	KML
7439-92-1	Lead	288		mg/kg dry	0.561	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 13:00	KML
7439-95-4	Magnesium	4150		mg/kg dry	5.61	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 13:00	KML
7439-96-5	Manganese	221		mg/kg dry	0.561	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 13:00	KML
7440-02-0	Nickel	21.0		mg/kg dry	0.561	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 13:00	KML
7440-09-7	Potassium	654		mg/kg dry	5.61	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 13:00	KML
7782-49-2	Selenium	ND		mg/kg dry	1.12	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 13:00	KML
7440-22-4	Silver	ND		mg/kg dry	0.561	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 13:00	KML
7440-23-5	Sodium	272		mg/kg dry	11.2	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/09/2018 09:42	05/10/2018 13:00	KML
7440-28-0	Thallium	ND		mg/kg dry	1.12	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 13:00	KML
7440-62-2	Vanadium	17.8		mg/kg dry	1.12	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 13:00	KML
7440-66-6	Zinc	235		mg/kg dry	1.68	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/09/2018 09:42	05/10/2018 13:00	KML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.256		mg/kg dry	0.0337	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	05/09/2018 09:29	05/09/2018 14:25	SY



Sample Information

Client Sample ID: 020/LSB-19B

York Sample ID: 18E0411-20

York Project (SDG) No.
18E0411

Client Project ID
100688801

Matrix
Soil

Collection Date/Time
May 8, 2018 2:00 pm

Date Received
05/08/2018

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	89.1		%	0.100	1	SM 2540G Certifications: CTDOH	05/14/2018 14:33	05/14/2018 17:54	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	0.561	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	05/09/2018 10:27	05/09/2018 17:23	TJM

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	23.9		mg/kg	0.500	1	Calculation Certifications:	05/15/2018 13:32	05/15/2018 14:57	PAM



Analytical Batch Summary

Batch ID: BE80442 **Preparation Method:** Analysis Preparation **Prepared By:** TAJ

YORK Sample ID	Client Sample ID	Preparation Date
18E0411-13	013/FB-1	05/08/18
BE80442-BLK1	Blank	05/08/18
BE80442-BS1	LCS	05/08/18

Batch ID: BE80453 **Preparation Method:** EPA 5030B **Prepared By:** TAB

YORK Sample ID	Client Sample ID	Preparation Date
18E0411-04	004/TB-1	05/09/18
18E0411-13	013/FB-1	05/09/18
BE80453-BLK1	Blank	05/09/18
BE80453-BS1	LCS	05/09/18
BE80453-BSD1	LCS Dup	05/09/18

Batch ID: BE80466 **Preparation Method:** EPA 7473 soil **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
18E0411-05	005/LSB-15A	05/09/18
18E0411-06	006/LSB-15B	05/09/18
18E0411-07	007/LSB-17A	05/09/18
18E0411-08	008/LSB-17B	05/09/18
18E0411-09	009/LSB-20A	05/09/18
18E0411-10	010/LSB-20B	05/09/18
18E0411-11	011/LSB-18A	05/09/18
18E0411-12	012/LSB-18B	05/09/18
18E0411-14	014/LSB-16A	05/09/18
18E0411-15	015/DUP-1	05/09/18
18E0411-16	016/LSB-16B	05/09/18
18E0411-17	017/LSB-14A	05/09/18
18E0411-18	018/LSB-14B	05/09/18
18E0411-19	019/LSB-19A	05/09/18
18E0411-20	020/LSB-19B	05/09/18
BE80466-BLK1	Blank	05/09/18
BE80466-SRM1	Reference	05/09/18

Batch ID: BE80470 **Preparation Method:** EPA 3050B **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
18E0411-05	005/LSB-15A	05/09/18
18E0411-06	006/LSB-15B	05/09/18
18E0411-07	007/LSB-17A	05/09/18
18E0411-08	008/LSB-17B	05/09/18
18E0411-08RE1	008/LSB-17B	05/09/18
18E0411-09	009/LSB-20A	05/09/18
18E0411-10	010/LSB-20B	05/09/18



18E0411-11	011/LSB-18A	05/09/18
18E0411-12	012/LSB-18B	05/09/18
18E0411-14	014/LSB-16A	05/09/18
18E0411-15	015/DUP-1	05/09/18
18E0411-16	016/LSB-16B	05/09/18
18E0411-17	017/LSB-14A	05/09/18
18E0411-18	018/LSB-14B	05/09/18
18E0411-18RE1	018/LSB-14B	05/09/18
18E0411-19	019/LSB-19A	05/09/18
18E0411-20	020/LSB-19B	05/09/18
BE80470-BLK1	Blank	05/09/18
BE80470-SRM1	Reference	05/09/18

Batch ID: BE80475 **Preparation Method:** EPA SW846-3060 **Prepared By:** TJM

YORK Sample ID	Client Sample ID	Preparation Date
18E0411-05	005/LSB-15A	05/09/18
18E0411-06	006/LSB-15B	05/09/18
18E0411-07	007/LSB-17A	05/09/18
18E0411-08	008/LSB-17B	05/09/18
18E0411-09	009/LSB-20A	05/09/18
18E0411-10	010/LSB-20B	05/09/18
18E0411-11	011/LSB-18A	05/09/18
18E0411-12	012/LSB-18B	05/09/18
18E0411-14	014/LSB-16A	05/09/18
18E0411-15	015/DUP-1	05/09/18
18E0411-16	016/LSB-16B	05/09/18
18E0411-17	017/LSB-14A	05/09/18
18E0411-18	018/LSB-14B	05/09/18
18E0411-19	019/LSB-19A	05/09/18
18E0411-20	020/LSB-19B	05/09/18
BE80475-BLK1	Blank	05/09/18
BE80475-DUP1	Duplicate	05/09/18
BE80475-MS1	Matrix Spike	05/09/18
BE80475-SRM1	Reference	05/09/18

Batch ID: BE80527 **Preparation Method:** EPA 3510C **Prepared By:** KNK

YORK Sample ID	Client Sample ID	Preparation Date
18E0411-13	013/FB-1	05/10/18
BE80527-BLK1	Blank	05/10/18
BE80527-BLK2	Blank	05/10/18
BE80527-BS1	LCS	05/10/18
BE80527-BS2	LCS	05/10/18
BE80527-BSD1	LCS Dup	05/10/18

Batch ID: BE80528 **Preparation Method:** EPA SW846-3510C Low Level **Prepared By:** KNK

YORK Sample ID	Client Sample ID	Preparation Date
18E0411-13	013/FB-1	05/10/18



18E0411-13	013/FB-1	05/10/18
BE80528-BLK1	Blank	05/10/18
BE80528-BLK2	Blank	05/10/18
BE80528-BS1	LCS	05/10/18
BE80528-BS2	LCS	05/10/18
BE80528-BSD1	LCS Dup	05/10/18
BE80528-BSD2	LCS Dup	05/10/18

Batch ID: BE80566 **Preparation Method:** EPA 3550C **Prepared By:** MAT

YORK Sample ID	Client Sample ID	Preparation Date
18E0411-05	005/LSB-15A	05/10/18
18E0411-05RE1	005/LSB-15A	05/10/18
18E0411-05RE2	005/LSB-15A	05/10/18
18E0411-06	006/LSB-15B	05/10/18
18E0411-06RE1	006/LSB-15B	05/10/18
18E0411-07	007/LSB-17A	05/10/18
18E0411-07RE1	007/LSB-17A	05/10/18
18E0411-07RE2	007/LSB-17A	05/10/18
18E0411-08	008/LSB-17B	05/10/18
18E0411-09	009/LSB-20A	05/10/18
18E0411-10	010/LSB-20B	05/10/18
18E0411-11	011/LSB-18A	05/10/18
18E0411-12	012/LSB-18B	05/10/18
18E0411-14	014/LSB-16A	05/10/18
18E0411-15	015/DUP-1	05/10/18
18E0411-15RE1	015/DUP-1	05/10/18
18E0411-16	016/LSB-16B	05/10/18
18E0411-17	017/LSB-14A	05/10/18
18E0411-17RE1	017/LSB-14A	05/10/18
18E0411-18	018/LSB-14B	05/10/18
18E0411-18RE1	018/LSB-14B	05/10/18
18E0411-19	019/LSB-19A	05/10/18
18E0411-20	020/LSB-19B	05/10/18
BE80566-BLK1	Blank	05/10/18
BE80566-BS1	LCS	05/10/18
BE80566-MS1	Matrix Spike	05/10/18
BE80566-MSD1	Matrix Spike Dup	05/10/18

Batch ID: BE80568 **Preparation Method:** EPA 3550C **Prepared By:** MAT

YORK Sample ID	Client Sample ID	Preparation Date
18E0411-05	005/LSB-15A	05/10/18
18E0411-05	005/LSB-15A	05/10/18
18E0411-06	006/LSB-15B	05/10/18
18E0411-06	006/LSB-15B	05/10/18
18E0411-07	007/LSB-17A	05/10/18
18E0411-07	007/LSB-17A	05/10/18
18E0411-08	008/LSB-17B	05/10/18
18E0411-08	008/LSB-17B	05/10/18
18E0411-09	009/LSB-20A	05/10/18



18E0411-09	009/LSB-20A	05/10/18
18E0411-10	010/LSB-20B	05/10/18
18E0411-10	010/LSB-20B	05/10/18
18E0411-11	011/LSB-18A	05/10/18
18E0411-11	011/LSB-18A	05/10/18
18E0411-12	012/LSB-18B	05/10/18
18E0411-12	012/LSB-18B	05/10/18
18E0411-14	014/LSB-16A	05/10/18
18E0411-14	014/LSB-16A	05/10/18
18E0411-15	015/DUP-1	05/10/18
18E0411-15	015/DUP-1	05/10/18
18E0411-16	016/LSB-16B	05/10/18
18E0411-16	016/LSB-16B	05/10/18
18E0411-17	017/LSB-14A	05/10/18
18E0411-17	017/LSB-14A	05/10/18
18E0411-18	018/LSB-14B	05/10/18
18E0411-18	018/LSB-14B	05/10/18
18E0411-19	019/LSB-19A	05/10/18
18E0411-19	019/LSB-19A	05/10/18
18E0411-20	020/LSB-19B	05/10/18
18E0411-20	020/LSB-19B	05/10/18
BE80568-BLK1	Blank	05/10/18
BE80568-BLK2	Blank	05/10/18
BE80568-BS1	LCS	05/10/18
BE80568-BS2	LCS	05/10/18
BE80568-MS1	Matrix Spike	05/10/18
BE80568-MS2	Matrix Spike	05/10/18
BE80568-MSD1	Matrix Spike Dup	05/10/18
BE80568-MSD2	Matrix Spike Dup	05/10/18

Batch ID: BE80578 **Preparation Method:** EPA 7473 water **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
18E0411-13	013/FB-1	05/10/18
BE80578-BLK1	Blank	05/10/18
BE80578-SRM1	Reference	05/10/18

Batch ID: BE80598 **Preparation Method:** EPA 5035A **Prepared By:** TAB

YORK Sample ID	Client Sample ID	Preparation Date
18E0411-05	005/LSB-15A	05/11/18
18E0411-06	006/LSB-15B	05/11/18
18E0411-07	007/LSB-17A	05/11/18
18E0411-08	008/LSB-17B	05/11/18
18E0411-09	009/LSB-20A	05/11/18
18E0411-10	010/LSB-20B	05/11/18
18E0411-11	011/LSB-18A	05/11/18
18E0411-12	012/LSB-18B	05/11/18
18E0411-14	014/LSB-16A	05/11/18
18E0411-15	015/DUP-1	05/11/18
18E0411-16	016/LSB-16B	05/11/18



18E0411-17	017/LSB-14A	05/11/18
18E0411-18	018/LSB-14B	05/11/18
18E0411-19	019/LSB-19A	05/11/18
18E0411-20	020/LSB-19B	05/11/18
BE80598-BLK1	Blank	05/11/18
BE80598-BS1	LCS	05/11/18
BE80598-BSD1	LCS Dup	05/11/18

Batch ID: BE80606 **Preparation Method:** EPA 7473 water **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
18E0411-13	013/FB-1	05/11/18
BE80606-BLK1	Blank	05/11/18
BE80606-SRM1	Reference	05/11/18

Batch ID: BE80635 **Preparation Method:** EPA 3015A **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
18E0411-13	013/FB-1	05/11/18
BE80635-BLK1	Blank	05/11/18
BE80635-BS1	LCS	05/11/18
BE80635-DUP1	Duplicate	05/11/18
BE80635-MS1	Matrix Spike	05/11/18

Batch ID: BE80636 **Preparation Method:** EPA 3015A **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
18E0411-13	013/FB-1	05/11/18
BE80636-BLK1	Blank	05/11/18
BE80636-BS1	LCS	05/11/18
BE80636-DUP1	Duplicate	05/11/18
BE80636-MS1	Matrix Spike	05/11/18

Batch ID: BE80637 **Preparation Method:** EPA 3015A **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
18E0411-13	013/FB-1	05/11/18
BE80637-BLK1	Blank	05/11/18
BE80637-BS1	LCS	05/11/18

Batch ID: BE80638 **Preparation Method:** EPA 3015A **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
18E0411-13	013/FB-1	05/11/18
BE80638-BLK1	Blank	05/11/18
BE80638-BS1	LCS	05/11/18



Batch ID: BE80730

Preparation Method: % Solids Prep

Prepared By: TAJ

YORK Sample ID	Client Sample ID	Preparation Date
18E0411-05	005/LSB-15A	05/14/18
18E0411-06	006/LSB-15B	05/14/18
18E0411-07	007/LSB-17A	05/14/18
18E0411-08	008/LSB-17B	05/14/18
18E0411-09	009/LSB-20A	05/14/18
18E0411-10	010/LSB-20B	05/14/18
18E0411-11	011/LSB-18A	05/14/18
18E0411-12	012/LSB-18B	05/14/18
18E0411-14	014/LSB-16A	05/14/18
18E0411-15	015/DUP-1	05/14/18
18E0411-16	016/LSB-16B	05/14/18
18E0411-17	017/LSB-14A	05/14/18
18E0411-18	018/LSB-14B	05/14/18
18E0411-19	019/LSB-19A	05/14/18
18E0411-20	020/LSB-19B	05/14/18
BE80730-DUP1	Duplicate	05/14/18

Batch ID: BE80795

Preparation Method: Analysis Preparation

Prepared By: PAM

YORK Sample ID	Client Sample ID	Preparation Date
18E0411-05	005/LSB-15A	05/15/18
18E0411-06	006/LSB-15B	05/15/18
18E0411-07	007/LSB-17A	05/15/18
18E0411-08	008/LSB-17B	05/15/18
18E0411-09	009/LSB-20A	05/15/18
18E0411-10	010/LSB-20B	05/15/18
18E0411-11	011/LSB-18A	05/15/18
18E0411-12	012/LSB-18B	05/15/18
18E0411-14	014/LSB-16A	05/15/18
18E0411-15	015/DUP-1	05/15/18
18E0411-16	016/LSB-16B	05/15/18
18E0411-17	017/LSB-14A	05/15/18
18E0411-18	018/LSB-14B	05/15/18
18E0411-19	019/LSB-19A	05/15/18
18E0411-20	020/LSB-19B	05/15/18

Batch ID: BE80796

Preparation Method: Analysis Preparation

Prepared By: PAM

YORK Sample ID	Client Sample ID	Preparation Date
18E0411-13	013/FB-1	05/15/18



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 BE80453 - EPA 5030B											
Blank (BE80453-BLK1)										Prepared & Analyzed: 05/09/2018	
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	"								
1,1-Dichloropropylene	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	"								
2,2-Dichloropropane	ND	0.500	"								
2-Butanone	ND	0.500	"								
2-Chlorotoluene	ND	0.500	"								
2-Hexanone	ND	0.500	"								
4-Chlorotoluene	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	"								
Bromobenzene	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	"								
Ethyl Benzene	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
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Batch BE80453 - EPA 5030B

Blank (BE80453-BLK1)

Prepared & Analyzed: 05/09/2018

Hexachlorobutadiene	ND	0.500	ug/L								
Isopropylbenzene	ND	0.500	"								
Methyl acetate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylcyclohexane	ND	0.500	"								
Methylene chloride	1.52	2.00	"								
n-Butylbenzene	ND	0.500	"								
n-Propylbenzene	ND	0.500	"								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
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	9.72		"	10.0		97.2	70-130				
Surrogate: Toluene-d8	9.83		"	10.0		98.3	70-130				
Surrogate: p-Bromofluorobenzene	10.2		"	10.0		102	70-130				

LCS (BE80453-BS1)

Prepared & Analyzed: 05/09/2018

1,1,1,2-Tetrachloroethane	10.8		ug/L	10.0		108	82-126			30	
1,1,1-Trichloroethane	10.4		"	10.0		104	70-130			20	
1,1,2,2-Tetrachloroethane	11.3		"	10.0		113	70-130			20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.84		"	10.0		98.4	70-130			20	
1,1,2-Trichloroethane	10.7		"	10.0		107	70-130			20	
1,1-Dichloroethane	10.7		"	10.0		107	70-130			20	
1,1-Dichloroethylene	10.2		"	10.0		102	70-130			20	
1,1-Dichloropropylene	10.6		"	10.0		106	83-133			30	
1,2,3-Trichlorobenzene	11.2		"	10.0		112	70-130			20	
1,2,3-Trichloropropane	11.0		"	10.0		110	77-128			30	
1,2,4-Trichlorobenzene	10.8		"	10.0		108	70-130			20	
1,2,4-Trimethylbenzene	10.7		"	10.0		107	82-132			20	
1,2-Dibromo-3-chloropropane	10.3		"	10.0		103	40-160			20	
1,2-Dibromoethane	10.9		"	10.0		109	70-130			20	
1,2-Dichlorobenzene	10.9		"	10.0		109	70-130			20	
1,2-Dichloroethane	11.2		"	10.0		112	70-130			20	
1,2-Dichloropropane	10.8		"	10.0		108	70-130			20	
1,3,5-Trimethylbenzene	10.7		"	10.0		107	80-131			30	
1,3-Dichlorobenzene	10.9		"	10.0		109	70-130			20	
1,3-Dichloropropane	10.8		"	10.0		108	81-125			30	
1,4-Dichlorobenzene	10.7		"	10.0		107	70-130			20	
1,4-Dioxane	124		"	210		58.8	40-160			20	
2,2-Dichloropropane	10.9		"	10.0		109	56-150			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 BE80453 - EPA 5030B											
LCS (BE80453-BS1)						Prepared & Analyzed: 05/09/2018					
2-Butanone	11.6		ug/L	10.0		116	40-160			20	
2-Chlorotoluene	10.8		"	10.0		108	79-130			30	
2-Hexanone	11.3		"	10.0		113	40-160			20	
4-Chlorotoluene	10.8		"	10.0		108	79-128			30	
4-Methyl-2-pentanone	11.6		"	10.0		116	40-160			20	
Acetone	10.5		"	10.0		105	40-160			20	
Acrolein	8.41		"	10.0		84.1	10-153			30	
Acrylonitrile	10.4		"	10.0		104	51-150			30	
Benzene	11.0		"	10.0		110	70-130			20	
Bromobenzene	10.7		"	10.0		107	78-129			30	
Bromochloromethane	11.3		"	10.0		113	70-130			20	
Bromodichloromethane	10.8		"	10.0		108	70-130			20	
Bromoform	10.7		"	10.0		107	70-130			20	
Bromomethane	5.62		"	10.0		56.2	40-160			20	
Carbon disulfide	10.5		"	10.0		105	40-160			20	
Carbon tetrachloride	10.5		"	10.0		105	70-130			20	
Chlorobenzene	10.6		"	10.0		106	70-130			20	
Chloroethane	10.9		"	10.0		109	40-160			20	
Chloroform	10.8		"	10.0		108	70-130			20	
Chloromethane	9.42		"	10.0		94.2	40-160			20	
cis-1,2-Dichloroethylene	10.7		"	10.0		107	70-130			20	
cis-1,3-Dichloropropylene	10.3		"	10.0		103	70-130			20	
Cyclohexane	10.7		"	10.0		107	70-130			20	
Dibromochloromethane	10.6		"	10.0		106	70-130			20	
Dibromomethane	10.6		"	10.0		106	72-134			30	
Dichlorodifluoromethane	8.27		"	10.0		82.7	40-160			20	
Ethyl Benzene	10.8		"	10.0		108	70-130			20	
Hexachlorobutadiene	10.2		"	10.0		102	67-146			30	
Isopropylbenzene	10.5		"	10.0		105	70-130			20	
Methyl acetate	11.4		"	10.0		114	70-130			20	
Methyl tert-butyl ether (MTBE)	11.2		"	10.0		112	70-130			20	
Methylcyclohexane	9.94		"	10.0		99.4	70-130			20	
Methylene chloride	13.7		"	10.0		137	70-130	High Bias		20	
n-Butylbenzene	10.8		"	10.0		108	79-132			30	
n-Propylbenzene	10.8		"	10.0		108	78-133			30	
o-Xylene	11.0		"	10.0		110	70-130			20	
p- & m- Xylenes	21.6		"	20.0		108	70-130			20	
p-Isopropyltoluene	10.7		"	10.0		107	81-136			30	
sec-Butylbenzene	11.1		"	10.0		111	79-137			30	
Styrene	10.8		"	10.0		108	70-130			20	
tert-Butyl alcohol (TBA)	49.4		"	50.0		98.8	25-162			30	
tert-Butylbenzene	10.5		"	10.0		105	77-138			30	
Tetrachloroethylene	9.29		"	10.0		92.9	70-130			20	
Toluene	10.8		"	10.0		108	70-130			20	
trans-1,2-Dichloroethylene	10.4		"	10.0		104	70-130			20	
trans-1,3-Dichloropropylene	10.1		"	10.0		101	70-130			20	
Trichloroethylene	10.4		"	10.0		104	70-130			20	
Trichlorofluoromethane	10.2		"	10.0		102	40-160			20	
Vinyl Chloride	9.81		"	10.0		98.1	70-130			20	
Surrogate: 1,2-Dichloroethane-d4	10.4		"	10.0		104	70-130				
Surrogate: Toluene-d8	9.63		"	10.0		96.3	70-130				



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 BE80453 - EPA 5030B											
LCS (BE80453-BS1)						Prepared & Analyzed: 05/09/2018					
Surrogate: <i>p</i> -Bromofluorobenzene	9.79		ug/L	10.0		97.9	70-130				
LCS Dup (BE80453-BSD1)						Prepared & Analyzed: 05/09/2018					
1,1,1,2-Tetrachloroethane	10.5		ug/L	10.0		105	82-126		2.62	30	
1,1,1-Trichloroethane	10.5		"	10.0		105	70-130		0.955	20	
1,1,2,2-Tetrachloroethane	10.5		"	10.0		105	70-130		7.71	20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.2		"	10.0		102	70-130		4.08	20	
1,1,2-Trichloroethane	10.1		"	10.0		101	70-130		6.25	20	
1,1-Dichloroethane	10.7		"	10.0		107	70-130		0.281	20	
1,1-Dichloroethylene	10.4		"	10.0		104	70-130		1.65	20	
1,1-Dichloropropylene	10.7		"	10.0		107	83-133		1.69	30	
1,2,3-Trichlorobenzene	10.6		"	10.0		106	70-130		5.51	20	
1,2,3-Trichloropropane	10.2		"	10.0		102	77-128		7.09	30	
1,2,4-Trichlorobenzene	10.4		"	10.0		104	70-130		3.49	20	
1,2,4-Trimethylbenzene	10.7		"	10.0		107	82-132		0.0932	20	
1,2-Dibromo-3-chloropropane	9.30		"	10.0		93.0	40-160		9.82	20	
1,2-Dibromoethane	10.0		"	10.0		100	70-130		8.13	20	
1,2-Dichlorobenzene	10.7		"	10.0		107	70-130		1.48	20	
1,2-Dichloroethane	10.6		"	10.0		106	70-130		6.33	20	
1,2-Dichloropropane	10.6		"	10.0		106	70-130		1.77	20	
1,3,5-Trimethylbenzene	10.8		"	10.0		108	80-131		1.21	30	
1,3-Dichlorobenzene	10.8		"	10.0		108	70-130		0.552	20	
1,3-Dichloropropane	10.2		"	10.0		102	81-125		5.82	30	
1,4-Dichlorobenzene	10.6		"	10.0		106	70-130		1.31	20	
1,4-Dioxane	112		"	210		53.6	40-160		9.41	20	
2,2-Dichloropropane	10.9		"	10.0		109	56-150		0.550	30	
2-Butanone	10.1		"	10.0		101	40-160		14.3	20	
2-Chlorotoluene	10.9		"	10.0		109	79-130		0.735	30	
2-Hexanone	9.82		"	10.0		98.2	40-160		14.3	20	
4-Chlorotoluene	10.8		"	10.0		108	79-128		0.00	30	
4-Methyl-2-pentanone	10.4		"	10.0		104	40-160		10.6	20	
Acetone	7.39		"	10.0		73.9	40-160		34.7	20	Non-dir.
Acrolein	7.97		"	10.0		79.7	10-153		5.37	30	
Acrylonitrile	8.60		"	10.0		86.0	51-150		18.7	30	
Benzene	11.0		"	10.0		110	70-130		0.182	20	
Bromobenzene	10.6		"	10.0		106	78-129		1.50	30	
Bromochloromethane	10.7		"	10.0		107	70-130		5.55	20	
Bromodichloromethane	10.4		"	10.0		104	70-130		2.93	20	
Bromoform	9.89		"	10.0		98.9	70-130		7.59	20	
Bromomethane	6.86		"	10.0		68.6	40-160		19.9	20	
Carbon disulfide	10.7		"	10.0		107	40-160		1.13	20	
Carbon tetrachloride	10.6		"	10.0		106	70-130		1.71	20	
Chlorobenzene	10.5		"	10.0		105	70-130		0.944	20	
Chloroethane	10.9		"	10.0		109	40-160		0.0917	20	
Chloroform	10.6		"	10.0		106	70-130		1.31	20	
Chloromethane	9.37		"	10.0		93.7	40-160		0.532	20	
cis-1,2-Dichloroethylene	10.6		"	10.0		106	70-130		1.32	20	
cis-1,3-Dichloropropylene	9.90		"	10.0		99.0	70-130		3.86	20	
Cyclohexane	11.1		"	10.0		111	70-130		3.12	20	
Dibromochloromethane	10.0		"	10.0		100	70-130		4.95	20	
Dibromomethane	9.97		"	10.0		99.7	72-134		6.31	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
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Batch BE80453 - EPA 5030B

LCS Dup (BE80453-BSD1)

Prepared & Analyzed: 05/09/2018

Dichlorodifluoromethane	8.51		ug/L	10.0		85.1	40-160		2.86	20	
Ethyl Benzene	10.9		"	10.0		109	70-130		0.369	20	
Hexachlorobutadiene	10.4		"	10.0		104	67-146		2.33	30	
Isopropylbenzene	10.7		"	10.0		107	70-130		2.17	20	
Methyl acetate	10.2		"	10.0		102	70-130		11.1	20	
Methyl tert-butyl ether (MTBE)	10.6		"	10.0		106	70-130		5.34	20	
Methylcyclohexane	10.5		"	10.0		105	70-130		5.57	20	
Methylene chloride	13.0		"	10.0		130	70-130		5.47	20	
n-Butylbenzene	11.0		"	10.0		110	79-132		1.83	30	
n-Propylbenzene	10.9		"	10.0		109	78-133		1.57	30	
o-Xylene	10.8		"	10.0		108	70-130		1.28	20	
p- & m- Xylenes	21.5		"	20.0		108	70-130		0.649	20	
p-Isopropyltoluene	10.9		"	10.0		109	81-136		1.75	30	
sec-Butylbenzene	11.3		"	10.0		113	79-137		2.23	30	
Styrene	10.5		"	10.0		105	70-130		2.35	20	
tert-Butyl alcohol (TBA)	36.0		"	50.0		71.9	25-162		31.5	30	Non-dir.
tert-Butylbenzene	10.7		"	10.0		107	77-138		2.55	30	
Tetrachloroethylene	9.43		"	10.0		94.3	70-130		1.50	20	
Toluene	10.8		"	10.0		108	70-130		0.0928	20	
trans-1,2-Dichloroethylene	10.5		"	10.0		105	70-130		1.06	20	
trans-1,3-Dichloropropylene	9.58		"	10.0		95.8	70-130		4.89	20	
Trichloroethylene	10.6		"	10.0		106	70-130		0.952	20	
Trichlorofluoromethane	10.5		"	10.0		105	40-160		2.90	20	
Vinyl Chloride	10.0		"	10.0		100	70-130		2.32	20	
Surrogate: 1,2-Dichloroethane-d4	9.90		"	10.0		99.0	70-130				
Surrogate: Toluene-d8	9.82		"	10.0		98.2	70-130				
Surrogate: p-Bromofluorobenzene	9.87		"	10.0		98.7	70-130				



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
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Batch BE80598 - EPA 5035A

Blank (BE80598-BLK1)

Prepared & Analyzed: 05/11/2018

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	"
1,1-Dichloropropylene	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	"
1,3-Dichloropropane	ND	0.0050	"
1,4-Dichlorobenzene	ND	0.0050	"
1,4-Dioxane	ND	0.10	"
2,2-Dichloropropane	ND	0.0050	"
2-Butanone	ND	0.0050	"
2-Chlorotoluene	ND	0.0050	"
2-Hexanone	ND	0.0050	"
4-Chlorotoluene	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	"
Bromobenzene	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	"



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
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Batch BE80598 - EPA 5035A

Blank (BE80598-BLK1)

Prepared & Analyzed: 05/11/2018

Isopropylbenzene	ND	0.0050	mg/kg wet
Methyl acetate	ND	0.0050	"
Methyl tert-butyl ether (MTBE)	ND	0.0050	"
Methylcyclohexane	ND	0.0050	"
Methylene chloride	ND	0.010	"
n-Butylbenzene	ND	0.0050	"
n-Propylbenzene	ND	0.0050	"
o-Xylene	ND	0.0050	"
p- & m- Xylenes	ND	0.010	"
p-Isopropyltoluene	ND	0.0050	"
sec-Butylbenzene	ND	0.0050	"
Styrene	ND	0.0050	"
tert-Butyl alcohol (TBA)	ND	0.010	"
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	51.0	ug/L	50.0	102	77-125
Surrogate: Toluene-d8	51.6	"	50.0	103	85-120
Surrogate: p-Bromofluorobenzene	50.3	"	50.0	101	76-130

LCS (BE80598-BS1)

Prepared & Analyzed: 05/11/2018

1,1,1,2-Tetrachloroethane	39.9	ug/L	50.0	79.9	75-129	30
1,1,1-Trichloroethane	38.0	"	50.0	76.0	70-130	30
1,1,2,2-Tetrachloroethane	42.9	"	50.0	85.7	70-130	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	43.5	"	50.0	87.0	70-130	30
1,1,2-Trichloroethane	39.4	"	50.0	78.9	70-130	30
1,1-Dichloroethane	39.8	"	50.0	79.6	70-130	30
1,1-Dichloroethylene	44.8	"	50.0	89.5	70-130	30
1,1-Dichloropropylene	39.0	"	50.0	78.0	77-127	30
1,2,3-Trichlorobenzene	41.3	"	50.0	82.6	70-130	30
1,2,3-Trichloropropane	41.0	"	50.0	81.9	81-126	30
1,2,4-Trichlorobenzene	41.2	"	50.0	82.3	70-130	30
1,2,4-Trimethylbenzene	40.4	"	50.0	80.7	84-125	Low Bias 30
1,2-Dibromo-3-chloropropane	43.7	"	50.0	87.5	40-160	30
1,2-Dibromoethane	39.8	"	50.0	79.5	70-130	30
1,2-Dichlorobenzene	40.3	"	50.0	80.5	70-130	30
1,2-Dichloroethane	38.8	"	50.0	77.6	70-130	30
1,2-Dichloropropane	41.9	"	50.0	83.7	70-130	30
1,3,5-Trimethylbenzene	39.7	"	50.0	79.3	82-126	Low Bias 30
1,3-Dichlorobenzene	41.0	"	50.0	82.0	70-130	30
1,3-Dichloropropane	40.3	"	50.0	80.5	83-123	Low Bias 30
1,4-Dichlorobenzene	39.8	"	50.0	79.7	70-130	30
1,4-Dioxane	1190	"	1050	113	40-160	30
2,2-Dichloropropane	40.6	"	50.0	81.2	67-136	30
2-Butanone	42.0	"	50.0	84.0	40-160	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 BE80598 - EPA 5035A											
LCS (BE80598-BS1)						Prepared & Analyzed: 05/11/2018					
2-Chlorotoluene	39.9		ug/L	50.0		79.8	78-127			30	
2-Hexanone	41.8		"	50.0		83.6	40-160			30	
4-Chlorotoluene	39.6		"	50.0		79.2	79-125			30	
4-Methyl-2-pentanone	41.8		"	50.0		83.7	40-160			30	
Acetone	34.5		"	50.0		69.0	40-160			30	
Acrolein	40.1		"	50.0		80.1	10-238			30	
Acrylonitrile	42.5		"	50.0		85.0	66-141			30	
Benzene	38.2		"	50.0		76.5	70-130			30	
Bromobenzene	41.3		"	50.0		82.7	77-129			30	
Bromochloromethane	39.8		"	50.0		79.7	70-130			30	
Bromodichloromethane	41.6		"	50.0		83.2	70-130			30	
Bromoform	41.7		"	50.0		83.4	70-130			30	
Bromomethane	47.2		"	50.0		94.3	40-160			30	
Carbon disulfide	47.9		"	50.0		95.7	40-160			30	
Carbon tetrachloride	39.3		"	50.0		78.6	70-130			30	
Chlorobenzene	38.6		"	50.0		77.2	70-130			30	
Chloroethane	52.4		"	50.0		105	51-142			30	
Chloroform	39.8		"	50.0		79.5	70-130			30	
Chloromethane	48.1		"	50.0		96.2	49-132			30	
cis-1,2-Dichloroethylene	37.8		"	50.0		75.6	70-130			30	
cis-1,3-Dichloropropylene	39.3		"	50.0		78.6	70-130			30	
Cyclohexane	40.9		"	50.0		81.7	70-130			30	
Dibromochloromethane	40.3		"	50.0		80.6	70-130			30	
Dibromomethane	39.4		"	50.0		78.8	83-124	Low Bias		30	
Dichlorodifluoromethane	55.6		"	50.0		111	40-160			30	
Ethyl Benzene	39.5		"	50.0		79.0	70-130			30	
Hexachlorobutadiene	45.6		"	50.0		91.1	83-133			30	
Isopropylbenzene	39.4		"	50.0		78.8	70-130			30	
Methyl acetate	40.9		"	50.0		81.8	70-130			30	
Methyl tert-butyl ether (MTBE)	41.2		"	50.0		82.4	70-130			30	
Methylcyclohexane	40.5		"	50.0		81.0	70-130			30	
Methylene chloride	35.1		"	50.0		70.3	70-130			30	
n-Butylbenzene	40.5		"	50.0		81.0	80-130			30	
n-Propylbenzene	39.3		"	50.0		78.7	74-136			30	
o-Xylene	39.9		"	50.0		79.9	70-130			30	
p- & m- Xylenes	78.6		"	100		78.6	70-130			30	
p-Isopropyltoluene	40.3		"	50.0		80.6	85-125	Low Bias		30	
sec-Butylbenzene	42.3		"	50.0		84.6	83-125			30	
Styrene	38.4		"	50.0		76.7	70-130			30	
tert-Butyl alcohol (TBA)	238		"	250		95.3	70-130			30	
tert-Butylbenzene	40.0		"	50.0		80.1	80-127			30	
Tetrachloroethylene	38.7		"	50.0		77.3	70-130			30	
Toluene	38.8		"	50.0		77.5	70-130			30	
trans-1,2-Dichloroethylene	39.8		"	50.0		79.6	70-130			30	
trans-1,3-Dichloropropylene	40.1		"	50.0		80.2	70-130			30	
Trichloroethylene	39.8		"	50.0		79.6	70-130			30	
Trichlorofluoromethane	46.8		"	50.0		93.5	40-160			30	
Vinyl Chloride	53.2		"	50.0		106	70-130			30	
Surrogate: 1,2-Dichloroethane-d4	52.0		"	50.0		104	77-125				
Surrogate: Toluene-d8	50.1		"	50.0		100	85-120				
Surrogate: p-Bromofluorobenzene	49.7		"	50.0		99.4	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 BE80598 - EPA 5035A											
LCS Dup (BE80598-BSD1)						Prepared & Analyzed: 05/11/2018					
1,1,1,2-Tetrachloroethane	46.6		ug/L	50.0		93.1	75-129		15.3	30	
1,1,1-Trichloroethane	43.4		"	50.0		86.7	70-130		13.2	30	
1,1,2,2-Tetrachloroethane	47.6		"	50.0		95.3	70-130		10.6	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	49.8		"	50.0		99.5	70-130		13.5	30	
1,1,2-Trichloroethane	45.4		"	50.0		90.8	70-130		14.0	30	
1,1-Dichloroethane	46.4		"	50.0		92.7	70-130		15.2	30	
1,1-Dichloroethylene	50.6		"	50.0		101	70-130		12.2	30	
1,1-Dichloropropylene	45.1		"	50.0		90.2	77-127		14.5	30	
1,2,3-Trichlorobenzene	47.1		"	50.0		94.2	70-130		13.1	30	
1,2,3-Trichloropropane	46.2		"	50.0		92.5	81-126		12.1	30	
1,2,4-Trichlorobenzene	46.7		"	50.0		93.3	70-130		12.5	30	
1,2,4-Trimethylbenzene	45.5		"	50.0		91.0	84-125		12.0	30	
1,2-Dibromo-3-chloropropane	47.8		"	50.0		95.5	40-160		8.81	30	
1,2-Dibromoethane	46.5		"	50.0		93.0	70-130		15.6	30	
1,2-Dichlorobenzene	47.0		"	50.0		94.1	70-130		15.5	30	
1,2-Dichloroethane	44.8		"	50.0		89.6	70-130		14.3	30	
1,2-Dichloropropane	48.4		"	50.0		96.9	70-130		14.6	30	
1,3,5-Trimethylbenzene	45.0		"	50.0		89.9	82-126		12.5	30	
1,3-Dichlorobenzene	47.2		"	50.0		94.4	70-130		14.1	30	
1,3-Dichloropropane	47.5		"	50.0		94.9	83-123		16.4	30	
1,4-Dichlorobenzene	46.8		"	50.0		93.6	70-130		16.0	30	
1,4-Dioxane	1190		"	1050		113	40-160		0.0640	30	
2,2-Dichloropropane	46.3		"	50.0		92.6	67-136		13.1	30	
2-Butanone	46.8		"	50.0		93.5	40-160		10.7	30	
2-Chlorotoluene	45.2		"	50.0		90.3	78-127		12.4	30	
2-Hexanone	48.8		"	50.0		97.7	40-160		15.5	30	
4-Chlorotoluene	44.3		"	50.0		88.6	79-125		11.2	30	
4-Methyl-2-pentanone	48.2		"	50.0		96.3	40-160		14.0	30	
Acetone	39.8		"	50.0		79.6	40-160		14.2	30	
Acrolein	46.4		"	50.0		92.8	10-238		14.6	30	
Acrylonitrile	47.8		"	50.0		95.6	66-141		11.7	30	
Benzene	43.8		"	50.0		87.6	70-130		13.5	30	
Bromobenzene	46.7		"	50.0		93.4	77-129		12.2	30	
Bromochloromethane	45.6		"	50.0		91.2	70-130		13.5	30	
Bromodichloromethane	48.6		"	50.0		97.2	70-130		15.4	30	
Bromoform	47.1		"	50.0		94.2	70-130		12.2	30	
Bromomethane	54.1		"	50.0		108	40-160		13.7	30	
Carbon disulfide	54.2		"	50.0		108	40-160		12.4	30	
Carbon tetrachloride	45.0		"	50.0		90.0	70-130		13.6	30	
Chlorobenzene	44.3		"	50.0		88.5	70-130		13.7	30	
Chloroethane	59.7		"	50.0		119	51-142		12.9	30	
Chloroform	45.8		"	50.0		91.7	70-130		14.2	30	
Chloromethane	53.7		"	50.0		107	49-132		11.0	30	
cis-1,2-Dichloroethylene	43.5		"	50.0		86.9	70-130		13.9	30	
cis-1,3-Dichloropropylene	46.1		"	50.0		92.2	70-130		15.9	30	
Cyclohexane	46.9		"	50.0		93.8	70-130		13.8	30	
Dibromochloromethane	47.5		"	50.0		95.0	70-130		16.4	30	
Dibromomethane	45.9		"	50.0		91.9	83-124		15.3	30	
Dichlorodifluoromethane	62.6		"	50.0		125	40-160		11.8	30	
Ethyl Benzene	45.2		"	50.0		90.5	70-130		13.5	30	
Hexachlorobutadiene	50.7		"	50.0		101	83-133		10.7	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
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Batch BE80598 - EPA 5035A

LCS Dup (BE80598-BSD1)

Prepared & Analyzed: 05/11/2018

Isopropylbenzene	44.2		ug/L	50.0		88.3	70-130		11.3	30	
Methyl acetate	45.9		"	50.0		91.9	70-130		11.6	30	
Methyl tert-butyl ether (MTBE)	47.4		"	50.0		94.9	70-130		14.1	30	
Methylcyclohexane	46.8		"	50.0		93.7	70-130		14.5	30	
Methylene chloride	39.9		"	50.0		79.8	70-130		12.7	30	
n-Butylbenzene	47.1		"	50.0		94.2	80-130		15.1	30	
n-Propylbenzene	44.6		"	50.0		89.3	74-136		12.7	30	
o-Xylene	45.8		"	50.0		91.6	70-130		13.7	30	
p- & m- Xylenes	90.6		"	100		90.6	70-130		14.2	30	
p-Isopropyltoluene	46.6		"	50.0		93.1	85-125		14.4	30	
sec-Butylbenzene	47.9		"	50.0		95.9	83-125		12.5	30	
Styrene	44.9		"	50.0		89.7	70-130		15.6	30	
tert-Butyl alcohol (TBA)	260		"	250		104	70-130		8.87	30	
tert-Butylbenzene	45.3		"	50.0		90.6	80-127		12.3	30	
Tetrachloroethylene	44.0		"	50.0		87.9	70-130		12.8	30	
Toluene	44.8		"	50.0		89.7	70-130		14.6	30	
trans-1,2-Dichloroethylene	45.2		"	50.0		90.4	70-130		12.6	30	
trans-1,3-Dichloropropylene	46.7		"	50.0		93.4	70-130		15.3	30	
Trichloroethylene	46.3		"	50.0		92.5	70-130		15.0	30	
Trichlorofluoromethane	53.9		"	50.0		108	40-160		14.2	30	
Vinyl Chloride	58.8		"	50.0		118	70-130		10.1	30	
Surrogate: 1,2-Dichloroethane-d4	51.2		"	50.0		102	77-125				
Surrogate: Toluene-d8	50.6		"	50.0		101	85-120				
Surrogate: p-Bromofluorobenzene	48.7		"	50.0		97.3	76-130				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE80527 - EPA 3510C

Blank (BE80527-BLK1)

Prepared: 05/10/2018 Analyzed: 05/11/2018

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	"
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	"
N-nitroso-di-n-propylamine	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
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Batch BE80527 - EPA 3510C

Blank (BE80527-BLK1)

Prepared: 05/10/2018 Analyzed: 05/11/2018

N-Nitrosodiphenylamine	ND	5.00	ug/L								
Phenol	ND	5.00	"								
Pyridine	ND	5.00	"								
Surrogate: 2-Fluorophenol	15.3		"	38.6		39.6	19.7-63.1				
Surrogate: Phenol-d5	9.23		"	38.1		24.2	10.1-41.7				
Surrogate: Nitrobenzene-d5	25.3		"	25.0		101	50.2-113				
Surrogate: 2-Fluorobiphenyl	19.7		"	24.9		79.1	39.9-105				
Surrogate: 2,4,6-Tribromophenol	47.6		"	39.2		121	39.3-151				
Surrogate: Terphenyl-d14	21.8		"	25.1		86.7	30.7-106				

Blank (BE80527-BLK2)

Prepared: 05/10/2018 Analyzed: 05/11/2018

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 BE80527 - EPA 3510C											
LCS (BE80527-BS1)						Prepared: 05/10/2018 Analyzed: 05/11/2018					
1,1-Biphenyl	21.6	5.00	ug/L	25.0		86.6	33-95				
1,2,4,5-Tetrachlorobenzene	21.6	5.00	"	25.0		86.6	26-120				
1,2,4-Trichlorobenzene	22.7	5.00	"	25.0		90.8	20-118				
1,2-Dichlorobenzene	20.4	5.00	"	25.0		81.8	29-111				
1,2-Diphenylhydrazine (as Azobenzene)	6.67	5.00	"	25.0		26.7	16-141				
1,3-Dichlorobenzene	19.7	5.00	"	25.0		78.7	23-117				
1,4-Dichlorobenzene	20.2	5.00	"	25.0		80.7	30-105				
2,3,4,6-Tetrachlorophenol	55.9	5.00	"	25.0		223	30-130	High Bias			
2,4,5-Trichlorophenol	25.8	5.00	"	25.0		103	32-114				
2,4,6-Trichlorophenol	24.4	5.00	"	25.0		97.5	35-118				
2,4-Dichlorophenol	24.0	5.00	"	25.0		96.1	25-116				
2,4-Dimethylphenol	21.3	5.00	"	25.0		85.1	15-116				
2,4-Dinitrophenol	47.8	5.00	"	25.0		191	10-170	High Bias			
2,4-Dinitrotoluene	37.3	5.00	"	25.0		149	41-128	High Bias			
2,6-Dinitrotoluene	36.3	5.00	"	25.0		145	45-116	High Bias			
2-Chloronaphthalene	21.7	5.00	"	25.0		86.9	33-112				
2-Chlorophenol	19.3	5.00	"	25.0		77.2	15-120				
2-Methylnaphthalene	24.4	5.00	"	25.0		97.4	24-118				
2-Methylphenol	17.3	5.00	"	25.0		69.3	10-110				
2-Nitroaniline	29.7	5.00	"	25.0		119	34-129				
2-Nitrophenol	30.1	5.00	"	25.0		120	28-118	High Bias			
3- & 4-Methylphenols	13.7	5.00	"	25.0		54.9	10-107				
3,3-Dichlorobenzidine	25.4	5.00	"	25.0		102	15-187				
3-Nitroaniline	23.8	5.00	"	25.0		95.2	24-134				
4,6-Dinitro-2-methylphenol	44.1	5.00	"	25.0		176	10-153	High Bias			
4-Bromophenyl phenyl ether	24.6	5.00	"	25.0		98.5	34-120				
4-Chloro-3-methylphenol	23.4	5.00	"	25.0		93.4	20-120				
4-Chloroaniline	17.6	5.00	"	25.0		70.6	10-147				
4-Chlorophenyl phenyl ether	23.5	5.00	"	25.0		94.1	27-121				
4-Nitroaniline	25.9	5.00	"	25.0		104	13-134				
4-Nitrophenol	10.2	5.00	"	25.0		40.6	10-131				
Acetophenone	20.3	5.00	"	25.0		81.3	25-110				
Aniline	6.52	5.00	"	25.0		26.1	10-117				
Benzaldehyde	21.0	5.00	"	25.0		83.8	29-117				
Benzoic acid	8.38	50.0	"	25.4		33.0	30-130				
Benzyl alcohol	13.9	5.00	"	25.0		55.7	10-117				
Benzyl butyl phthalate	28.6	5.00	"	25.0		114	29-133				
Bis(2-chloroethoxy)methane	22.0	5.00	"	25.0		87.9	10-154				
Bis(2-chloroethyl)ether	23.3	5.00	"	25.0		93.0	17-125				
Bis(2-chloroisopropyl)ether	20.0	5.00	"	25.0		79.9	10-139				
Caprolactam	3.71	5.00	"	25.0		14.8	10-137				
Carbazole	23.6	5.00	"	25.0		94.4	42-126				
Dibenzofuran	22.2	5.00	"	25.0		88.8	36-113				
Diethyl phthalate	24.3	5.00	"	25.0		97.3	38-115				
Dimethyl phthalate	24.3	5.00	"	25.0		97.2	38-129				
Di-n-butyl phthalate	24.5	5.00	"	25.0		98.0	31-120				
Di-n-octyl phthalate	26.6	5.00	"	25.0		106	21-149				
Hexachlorocyclopentadiene	16.0	10.0	"	25.0		64.2	10-130				
Isophorone	23.5	5.00	"	25.0		94.0	25-127				
N-nitroso-di-n-propylamine	20.4	5.00	"	25.0		81.6	26-122				
N-Nitrosodiphenylamine	26.3	5.00	"	25.0		105	23-149				



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
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Batch BE80527 - EPA 3510C

LCS (BE80527-BS1)

Prepared: 05/10/2018 Analyzed: 05/11/2018

Phenol	8.06	5.00	ug/L	25.0		32.2	10-110				
Pyridine	4.83	5.00	"	35.0		13.8	10-90				
<i>Surrogate: 2-Fluorophenol</i>	<i>17.1</i>		<i>"</i>	<i>38.6</i>		<i>44.2</i>	<i>19.7-63.1</i>				
<i>Surrogate: Phenol-d5</i>	<i>10.2</i>		<i>"</i>	<i>38.1</i>		<i>26.8</i>	<i>10.1-41.7</i>				
<i>Surrogate: Nitrobenzene-d5</i>	<i>25.8</i>		<i>"</i>	<i>25.0</i>		<i>103</i>	<i>50.2-113</i>				
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>21.1</i>		<i>"</i>	<i>24.9</i>		<i>84.9</i>	<i>39.9-105</i>				
<i>Surrogate: 2,4,6-Tribromophenol</i>	<i>47.6</i>		<i>"</i>	<i>39.2</i>		<i>122</i>	<i>39.3-151</i>				
<i>Surrogate: Terphenyl-d14</i>	<i>20.0</i>		<i>"</i>	<i>25.1</i>		<i>79.6</i>	<i>30.7-106</i>				

LCS (BE80527-BS2)

Prepared: 05/10/2018 Analyzed: 05/11/2018

Acenaphthene	0.780	0.0500	ug/L	1.00		78.0	25-116				
Acenaphthylene	1.00	0.0500	"	1.00		100	26-116				
Anthracene	0.920	0.0500	"	1.00		92.0	25-123				
Benzo(a)anthracene	1.00	0.0500	"	1.00		100	33-125				
Benzo(a)pyrene	0.990	0.0500	"	1.00		99.0	32-132				
Benzo(b)fluoranthene	0.920	0.0500	"	1.00		92.0	22-137				
Benzo(g,h,i)perylene	0.980	0.0500	"	1.00		98.0	10-138				
Benzo(k)fluoranthene	0.850	0.0500	"	1.00		85.0	20-137				
Bis(2-ethylhexyl)phthalate	1.01	0.500	"	1.00		101	10-189				
Chrysene	0.770	0.0500	"	1.00		77.0	32-124				
Dibenzo(a,h)anthracene	0.950	0.0500	"	1.00		95.0	16-133				
Fluoranthene	1.03	0.0500	"	1.00		103	32-121				
Fluorene	0.920	0.0500	"	1.00		92.0	28-118				
Hexachlorobenzene	0.850	0.0200	"	1.00		85.0	23-124				
Hexachlorobutadiene	0.600	0.500	"	1.00		60.0	15-123				
Hexachloroethane	0.600	0.500	"	1.00		60.0	18-115				
Indeno(1,2,3-cd)pyrene	0.950	0.0500	"	1.00		95.0	15-135				
Naphthalene	0.850	0.0500	"	1.00		85.0	18-120				
Nitrobenzene	1.06	0.250	"	1.00		106	21-121				
N-Nitrosodimethylamine	0.210	0.500	"	1.00		21.0	10-124				
Pentachlorophenol	0.960	0.250	"	1.00		96.0	10-156				
Phenanthrene	0.820	0.0500	"	1.00		82.0	24-127				
Pyrene	0.850	0.0500	"	1.00		85.0	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 BE80527 - EPA 3510C											
LCS Dup (BE80527-BSD1)						Prepared: 05/10/2018 Analyzed: 05/11/2018					
1,1-Biphenyl	19.4	5.00	ug/L	25.0		77.6	33-95		10.9	20	
1,2,4,5-Tetrachlorobenzene	19.7	5.00	"	25.0		78.9	26-120		9.28	20	
1,2,4-Trichlorobenzene	21.0	5.00	"	25.0		84.1	20-118		7.64	20	
1,2-Dichlorobenzene	18.4	5.00	"	25.0		73.7	29-111		10.4	20	
1,2-Diphenylhydrazine (as Azobenzene)	5.93	5.00	"	25.0		23.7	16-141		11.7	20	
1,3-Dichlorobenzene	17.3	5.00	"	25.0		69.3	23-117		12.8	20	
1,4-Dichlorobenzene	18.4	5.00	"	25.0		73.4	30-105		9.40	20	
2,3,4,6-Tetrachlorophenol	52.4	5.00	"	25.0		210	30-130	High Bias	6.31	20	
2,4,5-Trichlorophenol	23.3	5.00	"	25.0		93.3	32-114		9.90	20	
2,4,6-Trichlorophenol	21.9	5.00	"	25.0		87.6	35-118		10.7	20	
2,4-Dichlorophenol	23.2	5.00	"	25.0		92.9	25-116		3.43	20	
2,4-Dimethylphenol	19.4	5.00	"	25.0		77.7	15-116		9.04	20	
2,4-Dinitrophenol	44.0	5.00	"	25.0		176	10-170	High Bias	8.27	20	
2,4-Dinitrotoluene	34.9	5.00	"	25.0		139	41-128	High Bias	6.76	20	
2,6-Dinitrotoluene	33.5	5.00	"	25.0		134	45-116	High Bias	8.02	20	
2-Chloronaphthalene	20.0	5.00	"	25.0		80.2	33-112		8.04	20	
2-Chlorophenol	18.0	5.00	"	25.0		72.0	15-120		6.92	20	
2-Methylnaphthalene	23.0	5.00	"	25.0		92.2	24-118		5.53	20	
2-Methylphenol	16.1	5.00	"	25.0		64.2	10-110		7.55	20	
2-Nitroaniline	27.8	5.00	"	25.0		111	34-129		6.55	20	
2-Nitrophenol	28.4	5.00	"	25.0		114	28-118		5.68	20	
3- & 4-Methylphenols	13.2	5.00	"	25.0		52.8	10-107		3.86	20	
3,3-Dichlorobenzidine	22.9	5.00	"	25.0		91.6	15-187		10.4	20	
3-Nitroaniline	22.3	5.00	"	25.0		89.1	24-134		6.60	20	
4,6-Dinitro-2-methylphenol	40.3	5.00	"	25.0		161	10-153	High Bias	9.01	20	
4-Bromophenyl phenyl ether	22.3	5.00	"	25.0		89.1	34-120		10.0	20	
4-Chloro-3-methylphenol	22.6	5.00	"	25.0		90.3	20-120		3.35	20	
4-Chloroaniline	16.2	5.00	"	25.0		64.6	10-147		8.82	20	
4-Chlorophenyl phenyl ether	22.3	5.00	"	25.0		89.1	27-121		5.46	20	
4-Nitroaniline	24.5	5.00	"	25.0		97.9	13-134		5.79	20	
4-Nitrophenol	9.15	5.00	"	25.0		36.6	10-131		10.5	20	
Acetophenone	19.1	5.00	"	25.0		76.2	25-110		6.40	20	
Aniline	5.73	5.00	"	25.0		22.9	10-117		12.9	20	
Benzaldehyde	19.0	5.00	"	25.0		76.1	29-117		9.65	20	
Benzoic acid	7.28	50.0	"	25.4		28.7	30-130	Low Bias	14.0	20	
Benzyl alcohol	13.0	5.00	"	25.0		51.9	10-117		7.14	20	
Benzyl butyl phthalate	26.4	5.00	"	25.0		106	29-133		8.04	20	
Bis(2-chloroethoxy)methane	20.7	5.00	"	25.0		82.8	10-154		6.00	20	
Bis(2-chloroethyl)ether	21.2	5.00	"	25.0		84.6	17-125		9.50	20	
Bis(2-chloroisopropyl)ether	18.4	5.00	"	25.0		73.8	10-139		7.96	20	
Caprolactam	3.60	5.00	"	25.0		14.4	10-137		3.01	20	
Carbazole	21.5	5.00	"	25.0		86.0	42-126		9.27	20	
Dibenzofuran	20.4	5.00	"	25.0		81.5	36-113		8.60	20	
Diethyl phthalate	22.6	5.00	"	25.0		90.6	38-115		7.15	20	
Dimethyl phthalate	22.4	5.00	"	25.0		89.5	38-129		8.19	20	
Di-n-butyl phthalate	22.7	5.00	"	25.0		90.8	31-120		7.67	20	
Di-n-octyl phthalate	24.2	5.00	"	25.0		97.0	21-149		9.32	20	
Hexachlorocyclopentadiene	14.4	10.0	"	25.0		57.6	10-130		10.9	20	
Isophorone	22.0	5.00	"	25.0		87.9	25-127		6.73	20	
N-nitroso-di-n-propylamine	19.4	5.00	"	25.0		77.4	26-122		5.23	20	
N-Nitrosodiphenylamine	23.9	5.00	"	25.0		95.6	23-149		9.48	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
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Batch BE80527 - EPA 3510C

LCS Dup (BE80527-BSD1)

Prepared: 05/10/2018 Analyzed: 05/11/2018

Phenol	6.69	5.00	ug/L	25.0		26.8	10-110		18.6	20
Pyridine	4.93	5.00	"	35.0		14.1	10-90		2.05	20
Surrogate: 2-Fluorophenol	15.2		"	38.6		39.4	19.7-63.1			
Surrogate: Phenol-d5	9.76		"	38.1		25.6	10.1-41.7			
Surrogate: Nitrobenzene-d5	23.2		"	25.0		93.0	50.2-113			
Surrogate: 2-Fluorobiphenyl	18.5		"	24.9		74.2	39.9-105			
Surrogate: 2,4,6-Tribromophenol	41.8		"	39.2		107	39.3-151			
Surrogate: Terphenyl-d14	17.7		"	25.1		70.6	30.7-106			

Batch BE80566 - EPA 3550C

Blank (BE80566-BLK1)

Prepared: 05/10/2018 Analyzed: 05/11/2018

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	"



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
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Batch BE80566 - EPA 3550C

Blank (BE80566-BLK1)

Prepared: 05/10/2018 Analyzed: 05/11/2018

Benzo(a)anthracene	ND	0.0417	mg/kg wet
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	"
Caprolactam	ND	0.0833	"
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	"
Pyridine	ND	0.167	"

Surrogate: 2-Fluorophenol	0.836	"	1.29	64.9	20-108
Surrogate: Phenol-d5	0.850	"	1.27	66.9	23-114
Surrogate: Nitrobenzene-d5	0.675	"	0.833	81.0	22-108
Surrogate: 2-Fluorobiphenyl	0.542	"	0.830	65.3	21-113
Surrogate: 2,4,6-Tribromophenol	1.17	"	1.31	89.9	19-110
Surrogate: Terphenyl-d14	0.511	"	0.837	61.1	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 BE80566 - EPA 3550C											
LCS (BE80566-BS1)						Prepared: 05/10/2018 Analyzed: 05/11/2018					
1,1-Biphenyl	0.658	0.0417	mg/kg wet	0.833		79.0	18-111				
1,2,4,5-Tetrachlorobenzene	0.653	0.0833	"	0.833		78.3	21-131				
1,2,4-Trichlorobenzene	0.690	0.0417	"	0.833		82.8	10-140				
1,2-Dichlorobenzene	0.592	0.0417	"	0.833		71.0	34-108				
1,2-Diphenylhydrazine (as Azobenzene)	0.207	0.0417	"	0.833		24.8	17-137				
1,3-Dichlorobenzene	0.585	0.0417	"	0.833		70.2	33-110				
1,4-Dichlorobenzene	0.581	0.0417	"	0.833		69.7	32-104				
2,3,4,6-Tetrachlorophenol	1.66	0.0833	"	0.833		199	30-130	High Bias			
2,4,5-Trichlorophenol	0.735	0.0417	"	0.833		88.2	27-118				
2,4,6-Trichlorophenol	0.707	0.0417	"	0.833		84.8	31-120				
2,4-Dichlorophenol	0.721	0.0417	"	0.833		86.5	20-127				
2,4-Dimethylphenol	0.701	0.0417	"	0.833		84.1	14-132				
2,4-Dinitrophenol	1.07	0.0833	"	0.833		128	10-171				
2,4-Dinitrotoluene	1.10	0.0417	"	0.833		132	34-131	High Bias			
2,6-Dinitrotoluene	1.05	0.0417	"	0.833		126	31-128				
2-Chloronaphthalene	0.644	0.0417	"	0.833		77.3	31-117				
2-Chlorophenol	0.626	0.0417	"	0.833		75.1	33-113				
2-Methylnaphthalene	0.719	0.0417	"	0.833		86.2	12-138				
2-Methylphenol	0.641	0.0417	"	0.833		77.0	10-136				
2-Nitroaniline	0.873	0.0833	"	0.833		105	27-132				
2-Nitrophenol	0.852	0.0417	"	0.833		102	17-129				
3- & 4-Methylphenols	0.572	0.0417	"	0.833		68.7	29-103				
3,3-Dichlorobenzidine	0.678	0.0417	"	0.833		81.4	22-149				
3-Nitroaniline	0.686	0.0833	"	0.833		82.4	20-133				
4,6-Dinitro-2-methylphenol	1.13	0.0833	"	0.833		136	10-143				
4-Bromophenyl phenyl ether	0.702	0.0417	"	0.833		84.2	29-120				
4-Chloro-3-methylphenol	0.722	0.0417	"	0.833		86.6	24-129				
4-Chloroaniline	0.444	0.0417	"	0.833		53.3	10-132				
4-Chlorophenyl phenyl ether	0.695	0.0417	"	0.833		83.4	27-124				
4-Nitroaniline	0.838	0.0833	"	0.833		101	16-128				
4-Nitrophenol	0.696	0.0833	"	0.833		83.5	10-141				
Acenaphthene	0.601	0.0417	"	0.833		72.1	30-121				
Acenaphthylene	0.650	0.0417	"	0.833		78.0	30-115				
Acetophenone	0.603	0.0417	"	0.833		72.3	20-112				
Aniline	0.408	0.167	"	0.833		49.0	10-119				
Anthracene	0.675	0.0417	"	0.833		81.0	34-118				
Atrazine	0.791	0.0417	"	0.833		94.9	26-112				
Benzaldehyde	0.623	0.0417	"	0.833		74.8	21-100				
Benzo(a)anthracene	0.766	0.0417	"	0.833		91.9	32-122				
Benzo(a)pyrene	0.733	0.0417	"	0.833		87.9	29-133				
Benzo(b)fluoranthene	0.722	0.0417	"	0.833		86.7	25-133				
Benzo(g,h,i)perylene	0.767	0.0417	"	0.833		92.1	10-143				
Benzo(k)fluoranthene	0.687	0.0417	"	0.833		82.4	25-128				
Benzoic acid	0.129	0.0417	"	0.847		15.2	10-140				
Benzyl alcohol	0.600	0.0417	"	0.833		72.0	30-115				
Benzyl butyl phthalate	0.846	0.0417	"	0.833		102	26-126				
Bis(2-chloroethoxy)methane	0.615	0.0417	"	0.833		73.8	19-132				
Bis(2-chloroethyl)ether	0.581	0.0417	"	0.833		69.7	19-125				
Bis(2-chloroisopropyl)ether	0.565	0.0417	"	0.833		67.8	20-135				
Bis(2-ethylhexyl)phthalate	0.802	0.0417	"	0.833		96.2	10-155				
Caprolactam	0.785	0.0833	"	0.833		94.2	10-127				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE80566 - EPA 3550C

LCS (BE80566-BS1)

Prepared: 05/10/2018 Analyzed: 05/11/2018

Carbazole	0.682	0.0417	mg/kg wet	0.833		81.8	35-123				
Chrysene	0.691	0.0417	"	0.833		82.9	32-123				
Dibenzo(a,h)anthracene	0.717	0.0417	"	0.833		86.0	10-136				
Dibenzofuran	0.652	0.0417	"	0.833		78.2	29-121				
Diethyl phthalate	0.717	0.0417	"	0.833		86.0	34-116				
Dimethyl phthalate	0.701	0.0417	"	0.833		84.2	35-124				
Di-n-butyl phthalate	0.731	0.0417	"	0.833		87.8	31-116				
Di-n-octyl phthalate	0.839	0.0417	"	0.833		101	26-136				
Fluoranthene	0.711	0.0417	"	0.833		85.4	33-122				
Fluorene	0.674	0.0417	"	0.833		80.9	29-123				
Hexachlorobenzene	0.678	0.0417	"	0.833		81.4	21-124				
Hexachlorobutadiene	0.749	0.0417	"	0.833		89.9	10-149				
Hexachlorocyclopentadiene	0.616	0.0417	"	0.833		73.9	10-129				
Hexachloroethane	0.621	0.0417	"	0.833		74.5	28-108				
Indeno(1,2,3-cd)pyrene	0.735	0.0417	"	0.833		88.2	10-135				
Isophorone	0.663	0.0417	"	0.833		79.5	20-132				
Naphthalene	0.652	0.0417	"	0.833		78.2	23-124				
Nitrobenzene	0.690	0.0417	"	0.833		82.8	13-132				
N-Nitrosodimethylamine	0.534	0.0417	"	0.833		64.1	11-129				
N-nitroso-di-n-propylamine	0.577	0.0417	"	0.833		69.2	24-119				
N-Nitrosodiphenylamine	0.760	0.0417	"	0.833		91.2	22-152				
Pentachlorophenol	0.527	0.0417	"	0.833		63.2	10-139				
Phenanthrene	0.663	0.0417	"	0.833		79.5	33-123				
Phenol	0.643	0.0417	"	0.833		77.2	23-115				
Pyrene	0.706	0.0417	"	0.833		84.7	32-130				
Pyridine	0.438	0.167	"	0.833		52.6	10-91				
Surrogate: 2-Fluorophenol	0.930		"	1.29		72.2	20-108				
Surrogate: Phenol-d5	0.959		"	1.27		75.5	23-114				
Surrogate: Nitrobenzene-d5	0.730		"	0.833		87.6	22-108				
Surrogate: 2-Fluorobiphenyl	0.621		"	0.830		74.8	21-113				
Surrogate: 2,4,6-Tribromophenol	1.33		"	1.31		102	19-110				
Surrogate: Terphenyl-d14	0.572		"	0.837		68.3	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 BE80566 - EPA 3550C											
Matrix Spike (BE80566-MS1)		*Source sample: 18E0411-11 (011/LSB-18A)					Prepared: 05/10/2018 Analyzed: 05/11/2018				
1,1-Biphenyl	0.446	0.0892	mg/kg dry	0.891	ND	50.1	10-130				
1,2,4,5-Tetrachlorobenzene	0.486	0.178	"	0.891	ND	54.5	10-133				
1,2,4-Trichlorobenzene	0.493	0.0892	"	0.891	ND	55.4	10-127				
1,2-Dichlorobenzene	0.405	0.0892	"	0.891	ND	45.4	14-111				
1,2-Diphenylhydrazine (as Azobenzene)	0.274	0.0892	"	0.891	ND	30.8	10-144				
1,3-Dichlorobenzene	0.378	0.0892	"	0.891	ND	42.4	11-111				
1,4-Dichlorobenzene	0.371	0.0892	"	0.891	ND	41.6	10-106				
2,3,4,6-Tetrachlorophenol	1.24	0.178	"	0.891	ND	139	30-130	High Bias			
2,4,5-Trichlorophenol	0.594	0.0892	"	0.891	ND	66.6	10-127				
2,4,6-Trichlorophenol	0.553	0.0892	"	0.891	ND	62.0	10-132				
2,4-Dichlorophenol	0.560	0.0892	"	0.891	ND	62.9	10-128				
2,4-Dimethylphenol	0.508	0.0892	"	0.891	ND	57.0	10-137				
2,4-Dinitrophenol	ND	0.178	"	0.891	ND		10-171	Low Bias			
2,4-Dinitrotoluene	0.759	0.0892	"	0.891	ND	85.2	16-135				
2,6-Dinitrotoluene	0.745	0.0892	"	0.891	ND	83.6	18-131				
2-Chloronaphthalene	0.476	0.0892	"	0.891	ND	53.4	10-129				
2-Chlorophenol	0.452	0.0892	"	0.891	ND	50.7	15-116				
2-Methylnaphthalene	0.546	0.0892	"	0.891	ND	61.3	10-147				
2-Methylphenol	0.505	0.0892	"	0.891	ND	56.7	10-136				
2-Nitroaniline	0.655	0.178	"	0.891	ND	73.4	10-137				
2-Nitrophenol	0.575	0.0892	"	0.891	ND	64.5	10-129				
3- & 4-Methylphenols	0.449	0.0892	"	0.891	ND	50.4	10-123				
3,3-Dichlorobenzidine	0.272	0.0892	"	0.891	ND	30.6	10-155				
3-Nitroaniline	0.538	0.178	"	0.891	ND	60.4	12-133				
4,6-Dinitro-2-methylphenol	ND	0.178	"	0.891	ND		10-155	Low Bias			
4-Bromophenyl phenyl ether	0.562	0.0892	"	0.891	ND	63.0	14-128				
4-Chloro-3-methylphenol	0.576	0.0892	"	0.891	ND	64.6	10-134				
4-Chloroaniline	0.362	0.0892	"	0.891	ND	40.6	10-145				
4-Chlorophenyl phenyl ether	0.534	0.0892	"	0.891	ND	59.9	14-130				
4-Nitroaniline	0.546	0.178	"	0.891	ND	61.3	10-147				
4-Nitrophenol	0.494	0.178	"	0.891	ND	55.4	10-137				
Acenaphthene	0.493	0.0892	"	0.891	ND	55.4	10-146				
Acenaphthylene	0.561	0.0892	"	0.891	0.0696	55.2	10-134				
Acetophenone	0.408	0.0892	"	0.891	ND	45.8	10-116				
Aniline	0.264	0.357	"	0.891	ND	29.6	10-123				
Anthracene	0.686	0.0892	"	0.891	0.130	62.4	10-142				
Atrazine	0.548	0.0892	"	0.891	ND	61.4	19-115				
Benzaldehyde	0.404	0.0892	"	0.891	ND	45.4	10-125				
Benzo(a)anthracene	1.29	0.0892	"	0.891	0.555	82.6	10-158				
Benzo(a)pyrene	1.26	0.0892	"	0.891	0.541	80.2	10-180				
Benzo(b)fluoranthene	1.16	0.0892	"	0.891	0.435	81.2	10-200				
Benzo(g,h,i)perylene	1.10	0.0892	"	0.891	0.405	77.8	10-138				
Benzo(k)fluoranthene	1.09	0.0892	"	0.891	0.445	72.0	10-197				
Benzoic acid	0.0506	0.0892	"	0.905	ND	5.59	10-166	Low Bias			
Benzyl alcohol	0.458	0.0892	"	0.891	ND	51.4	12-124				
Benzyl butyl phthalate	0.732	0.0892	"	0.891	0.0469	76.8	10-154				
Bis(2-chloroethoxy)methane	0.438	0.0892	"	0.891	ND	49.1	10-132				
Bis(2-chloroethyl)ether	0.441	0.0892	"	0.891	ND	49.5	10-119				
Bis(2-chloroisopropyl)ether	0.421	0.0892	"	0.891	ND	47.3	10-139				
Bis(2-ethylhexyl)phthalate	0.764	0.0892	"	0.891	0.0959	74.9	10-167				
Caprolactam	0.472	0.178	"	0.891	ND	53.0	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
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Batch BE80566 - EPA 3550C

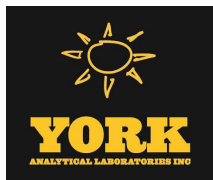
Matrix Spike (BE80566-MS1)		*Source sample: 18E0411-11 (011/LSB-18A)					Prepared: 05/10/2018 Analyzed: 05/11/2018				
Carbazole	0.563	0.0892	mg/kg dry	0.891	ND	63.2	10-167				
Chrysene	1.23	0.0892	"	0.891	0.557	75.1	10-156				
Dibenzo(a,h)anthracene	0.784	0.0892	"	0.891	0.126	73.8	10-137				
Dibenzofuran	0.510	0.0892	"	0.891	ND	57.3	10-147				
Diethyl phthalate	0.513	0.0892	"	0.891	ND	57.6	20-120				
Dimethyl phthalate	0.492	0.0892	"	0.891	ND	55.2	18-131				
Di-n-butyl phthalate	0.565	0.0892	"	0.891	ND	63.4	10-137				
Di-n-octyl phthalate	0.670	0.0892	"	0.891	ND	75.2	10-180				
Fluoranthene	1.58	0.0892	"	0.891	0.925	73.5	10-160				
Fluorene	0.565	0.0892	"	0.891	ND	63.4	10-157				
Hexachlorobenzene	0.568	0.0892	"	0.891	ND	63.7	10-137				
Hexachlorobutadiene	0.548	0.0892	"	0.891	ND	61.4	10-132				
Hexachlorocyclopentadiene	0.104	0.0892	"	0.891	ND	11.7	10-106				
Hexachloroethane	0.391	0.0892	"	0.891	ND	43.8	10-110				
Indeno(1,2,3-cd)pyrene	1.00	0.0892	"	0.891	0.334	74.6	10-144				
Isophorone	0.473	0.0892	"	0.891	ND	53.0	10-132				
Naphthalene	0.479	0.0892	"	0.891	ND	53.8	10-141				
Nitrobenzene	0.497	0.0892	"	0.891	ND	55.8	10-131				
N-Nitrosodimethylamine	0.306	0.0892	"	0.891	ND	34.3	10-126				
N-nitroso-di-n-propylamine	0.427	0.0892	"	0.891	ND	47.9	10-125				
N-Nitrosodiphenylamine	0.627	0.0892	"	0.891	ND	70.4	10-177				
Pentachlorophenol	0.404	0.0892	"	0.891	ND	45.4	10-153				
Phenanthrene	1.03	0.0892	"	0.891	0.486	61.2	10-148				
Phenol	0.492	0.0892	"	0.891	ND	55.2	10-126				
Pyrene	2.01	0.0892	"	0.891	1.14	97.3	10-165				
Pyridine	0.219	0.357	"	0.891	ND	24.6	10-83				
Surrogate: 2-Fluorophenol	0.635		"	1.38		46.1	20-108				
Surrogate: Phenol-d5	0.726		"	1.36		53.4	23-114				
Surrogate: Nitrobenzene-d5	0.508		"	0.891		57.0	22-108				
Surrogate: 2-Fluorobiphenyl	0.431		"	0.888		48.5	21-113				
Surrogate: 2,4,6-Tribromophenol	1.05		"	1.40		75.4	19-110				
Surrogate: Terphenyl-d14	0.497		"	0.895		55.5	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 BE80566 - EPA 3550C											
Matrix Spike Dup (BE80566-MSD1)		*Source sample: 18E0411-11 (011/LSB-18A)					Prepared: 05/10/2018 Analyzed: 05/11/2018				
1,1-Biphenyl	0.451	0.0892	mg/kg dry	0.891	ND	50.6	10-130		0.954	30	
1,2,4,5-Tetrachlorobenzene	0.448	0.178	"	0.891	ND	50.3	10-133		7.94	30	
1,2,4-Trichlorobenzene	0.448	0.0892	"	0.891	ND	50.3	10-127		9.54	30	
1,2-Dichlorobenzene	0.395	0.0892	"	0.891	ND	44.3	14-111		2.50	30	
1,2-Diphenylhydrazine (as Azobenzene)	0.159	0.0892	"	0.891	ND	17.8	10-144		53.3	30	Non-dir.
1,3-Dichlorobenzene	0.369	0.0892	"	0.891	ND	41.4	11-111		2.29	30	
1,4-Dichlorobenzene	0.368	0.0892	"	0.891	ND	41.3	10-106		0.772	30	
2,3,4,6-Tetrachlorophenol	1.20	0.178	"	0.891	ND	135	30-130	High Bias	2.93	30	
2,4,5-Trichlorophenol	0.541	0.0892	"	0.891	ND	60.7	10-127		9.30	30	
2,4,6-Trichlorophenol	0.515	0.0892	"	0.891	ND	57.8	10-132		7.08	30	
2,4-Dichlorophenol	0.519	0.0892	"	0.891	ND	58.2	10-128		7.66	30	
2,4-Dimethylphenol	0.465	0.0892	"	0.891	ND	52.2	10-137		8.80	30	
2,4-Dinitrophenol	ND	0.178	"	0.891	ND		10-171	Low Bias		30	
2,4-Dinitrotoluene	0.627	0.0892	"	0.891	ND	70.4	16-135		19.0	30	
2,6-Dinitrotoluene	0.640	0.0892	"	0.891	ND	71.8	18-131		15.2	30	
2-Chloronaphthalene	0.444	0.0892	"	0.891	ND	49.8	10-129		6.97	30	
2-Chlorophenol	0.420	0.0892	"	0.891	ND	47.1	15-116		7.36	30	
2-Methylnaphthalene	0.503	0.0892	"	0.891	ND	56.4	10-147		8.29	30	
2-Methylphenol	0.448	0.0892	"	0.891	ND	50.3	10-136		12.0	30	
2-Nitroaniline	0.637	0.178	"	0.891	ND	71.4	10-137		2.76	30	
2-Nitrophenol	0.527	0.0892	"	0.891	ND	59.1	10-129		8.67	30	
3- & 4-Methylphenols	0.414	0.0892	"	0.891	ND	46.5	10-123		8.09	30	
3,3-Dichlorobenzidine	0.195	0.0892	"	0.891	ND	21.8	10-155		33.3	30	Non-dir.
3-Nitroaniline	0.486	0.178	"	0.891	ND	54.5	12-133		10.3	30	
4,6-Dinitro-2-methylphenol	ND	0.178	"	0.891	ND		10-155	Low Bias		30	
4-Bromophenyl phenyl ether	0.543	0.0892	"	0.891	ND	61.0	14-128		3.35	30	
4-Chloro-3-methylphenol	0.522	0.0892	"	0.891	ND	58.6	10-134		9.87	30	
4-Chloroaniline	0.332	0.0892	"	0.891	ND	37.3	10-145		8.62	30	
4-Chlorophenyl phenyl ether	0.477	0.0892	"	0.891	ND	53.5	14-130		11.3	30	
4-Nitroaniline	0.477	0.178	"	0.891	ND	53.5	10-147		13.5	30	
4-Nitrophenol	0.455	0.178	"	0.891	ND	51.0	10-137		8.26	30	
Acenaphthene	0.466	0.0892	"	0.891	ND	52.3	10-146		5.65	30	
Acenaphthylene	0.520	0.0892	"	0.891	0.0696	50.6	10-134		7.51	30	
Acetophenone	0.396	0.0892	"	0.891	ND	44.5	10-116		2.84	30	
Aniline	0.245	0.357	"	0.891	ND	27.5	10-123		7.28	30	
Anthracene	0.650	0.0892	"	0.891	0.130	58.4	10-142		5.34	30	
Atrazine	0.551	0.0892	"	0.891	ND	61.8	19-115		0.649	30	
Benzaldehyde	0.411	0.0892	"	0.891	ND	46.1	10-125		1.57	30	
Benzo(a)anthracene	1.20	0.0892	"	0.891	0.555	72.9	10-158		6.91	30	
Benzo(a)pyrene	1.23	0.0892	"	0.891	0.541	77.4	10-180		1.95	30	
Benzo(b)fluoranthene	1.07	0.0892	"	0.891	0.435	71.5	10-200		7.80	30	
Benzo(g,h,i)perylene	1.03	0.0892	"	0.891	0.405	70.4	10-138		6.16	30	
Benzo(k)fluoranthene	1.04	0.0892	"	0.891	0.445	66.4	10-197		4.77	30	
Benzoic acid	0.118	0.0892	"	0.905	ND	13.0	10-166		79.7	30	Non-dir.
Benzyl alcohol	0.407	0.0892	"	0.891	ND	45.7	12-124		11.9	30	
Benzyl butyl phthalate	0.689	0.0892	"	0.891	0.0469	72.1	10-154		5.92	30	
Bis(2-chloroethoxy)methane	0.408	0.0892	"	0.891	ND	45.8	10-132		7.08	30	
Bis(2-chloroethyl)ether	0.473	0.0892	"	0.891	ND	53.1	10-119		7.01	30	
Bis(2-chloroisopropyl)ether	0.396	0.0892	"	0.891	ND	44.4	10-139		6.28	30	
Bis(2-ethylhexyl)phthalate	0.697	0.0892	"	0.891	0.0959	67.5	10-167		9.08	30	
Caprolactam	0.478	0.178	"	0.891	ND	53.7	10-132		1.35	30	



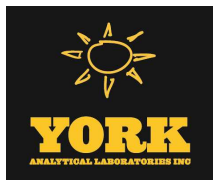
Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE80566 - EPA 3550C

Matrix Spike Dup (BE80566-MSD1)	*Source sample: 18E0411-11 (011/LSB-18A)					Prepared: 05/10/2018 Analyzed: 05/11/2018					
Carbazole	0.525	0.0892	mg/kg dry	0.891	ND	59.0	10-167		6.94	30	
Chrysene	1.15	0.0892	"	0.891	0.557	66.1	10-156		6.79	30	
Dibenzo(a,h)anthracene	0.740	0.0892	"	0.891	0.126	68.9	10-137		5.71	30	
Dibenzofuran	0.465	0.0892	"	0.891	ND	52.2	10-147		9.36	30	
Diethyl phthalate	0.478	0.0892	"	0.891	ND	53.6	20-120		7.19	30	
Dimethyl phthalate	0.456	0.0892	"	0.891	ND	51.1	18-131		7.67	30	
Di-n-butyl phthalate	0.527	0.0892	"	0.891	ND	59.1	10-137		7.05	30	
Di-n-octyl phthalate	0.645	0.0892	"	0.891	ND	72.4	10-180		3.79	30	
Fluoranthene	1.42	0.0892	"	0.891	0.925	55.7	10-160		10.6	30	
Fluorene	0.514	0.0892	"	0.891	ND	57.7	10-157		9.51	30	
Hexachlorobenzene	0.540	0.0892	"	0.891	ND	60.6	10-137		5.02	30	
Hexachlorobutadiene	0.524	0.0892	"	0.891	ND	58.8	10-132		4.39	30	
Hexachlorocyclopentadiene	0.0463	0.0892	"	0.891	ND	5.20	10-106	Low Bias	76.8	30	Non-dir.
Hexachloroethane	0.322	0.0892	"	0.891	ND	36.2	10-110		19.2	30	
Indeno(1,2,3-cd)pyrene	0.940	0.0892	"	0.891	0.334	67.9	10-144		6.18	30	
Isophorone	0.448	0.0892	"	0.891	ND	50.3	10-132		5.26	30	
Naphthalene	0.451	0.0892	"	0.891	ND	50.6	10-141		5.98	30	
Nitrobenzene	0.463	0.0892	"	0.891	ND	52.0	10-131		6.98	30	
N-Nitrosodimethylamine	0.314	0.0892	"	0.891	ND	35.3	10-126		2.76	30	
N-nitroso-di-n-propylamine	0.401	0.0892	"	0.891	ND	45.0	10-125		6.20	30	
N-Nitrosodiphenylamine	0.637	0.0892	"	0.891	ND	71.4	10-177		1.47	30	
Pentachlorophenol	0.416	0.0892	"	0.891	ND	46.6	10-153		2.78	30	
Phenanthrene	0.962	0.0892	"	0.891	0.486	53.4	10-148		6.94	30	
Phenol	0.439	0.0892	"	0.891	ND	49.3	10-126		11.3	30	
Pyrene	1.79	0.0892	"	0.891	1.14	73.3	10-165		11.3	30	
Pyridine	0.232	0.357	"	0.891	ND	26.0	10-83		5.70	30	
Surrogate: 2-Fluorophenol	0.663		"	1.38		48.1	20-108				
Surrogate: Phenol-d5	0.699		"	1.36		51.4	23-114				
Surrogate: Nitrobenzene-d5	0.510		"	0.891		57.2	22-108				
Surrogate: 2-Fluorobiphenyl	0.434		"	0.888		48.9	21-113				
Surrogate: 2,4,6-Tribromophenol	1.10		"	1.40		79.0	19-110				
Surrogate: Terphenyl-d14	0.488		"	0.895		54.5	24-116				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE80528 - EPA SW846-3510C Low Level

Blank (BE80528-BLK1)

Prepared: 05/10/2018 Analyzed: 05/14/2018

4,4'-DDD	ND	0.00400	ug/L								
4,4'-DDE	ND	0.00400	"								
4,4'-DDT	ND	0.00400	"								
Aldrin	ND	0.00400	"								
alpha-BHC	ND	0.00400	"								
alpha-Chlordane	ND	0.00400	"								
beta-BHC	ND	0.00400	"								
Chlordane, total	ND	0.0200	"								
delta-BHC	ND	0.00400	"								
Dieldrin	ND	0.00200	"								
Endosulfan I	ND	0.00400	"								
Endosulfan II	ND	0.00400	"								
Endosulfan sulfate	ND	0.00400	"								
Endrin	ND	0.00400	"								
Endrin aldehyde	ND	0.0100	"								
Endrin ketone	ND	0.0100	"								
gamma-BHC (Lindane)	ND	0.00400	"								
gamma-Chlordane	ND	0.0100	"								
Heptachlor	ND	0.00400	"								
Heptachlor epoxide	ND	0.00400	"								
Methoxychlor	ND	0.00400	"								
Toxaphene	ND	0.100	"								
Surrogate: Decachlorobiphenyl	0.188		"	0.209		89.8	30-150				
Surrogate: Tetrachloro-m-xylene	0.186		"	0.202		92.2	30-150				

LCS (BE80528-BS1)

Prepared: 05/10/2018 Analyzed: 05/14/2018

4,4'-DDD	0.118	0.00400	ug/L	0.100		118	40-140				
4,4'-DDE	0.113	0.00400	"	0.100		113	40-140				
4,4'-DDT	0.116	0.00400	"	0.100		116	40-140				
Aldrin	0.113	0.00400	"	0.100		113	40-140				
alpha-BHC	0.119	0.00400	"	0.100		119	40-140				
alpha-Chlordane	0.104	0.00400	"	0.100		104	40-140				
beta-BHC	0.115	0.00400	"	0.100		115	40-140				
delta-BHC	0.119	0.00400	"	0.100		119	40-140				
Dieldrin	0.111	0.00200	"	0.100		111	40-140				
Endosulfan I	0.106	0.00400	"	0.100		106	40-140				
Endosulfan II	0.109	0.00400	"	0.100		109	40-140				
Endosulfan sulfate	0.115	0.00400	"	0.100		115	40-140				
Endrin	0.108	0.00400	"	0.100		108	40-140				
Endrin aldehyde	0.112	0.0100	"	0.100		112	40-140				
Endrin ketone	0.110	0.0100	"	0.100		110	40-140				
gamma-BHC (Lindane)	0.117	0.00400	"	0.100		117	40-140				
gamma-Chlordane	0.102	0.0100	"	0.100		102	40-140				
Heptachlor	0.100	0.00400	"	0.100		100	40-140				
Heptachlor epoxide	0.103	0.00400	"	0.100		103	40-140				
Methoxychlor	0.110	0.00400	"	0.100		110	40-140				
Surrogate: Decachlorobiphenyl	0.199		"	0.209		95.2	30-150				
Surrogate: Tetrachloro-m-xylene	0.197		"	0.202		97.5	30-150				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE80528 - EPA SW846-3510C Low Level

LCS Dup (BE80528-BSD1)

Prepared: 05/10/2018 Analyzed: 05/14/2018

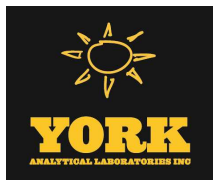
4,4'-DDD	0.116	0.00400	ug/L	0.100		116	40-140		1.40	20	
4,4'-DDE	0.110	0.00400	"	0.100		110	40-140		2.43	20	
4,4'-DDT	0.116	0.00400	"	0.100		116	40-140		0.126	20	
Aldrin	0.115	0.00400	"	0.100		115	40-140		1.36	20	
alpha-BHC	0.119	0.00400	"	0.100		119	40-140		0.0864	20	
alpha-Chlordane	0.105	0.00400	"	0.100		105	40-140		0.886	20	
beta-BHC	0.116	0.00400	"	0.100		116	40-140		1.29	20	
delta-BHC	0.119	0.00400	"	0.100		119	40-140		0.135	20	
Dieldrin	0.113	0.00200	"	0.100		113	40-140		1.39	20	
Endosulfan I	0.107	0.00400	"	0.100		107	40-140		0.965	20	
Endosulfan II	0.110	0.00400	"	0.100		110	40-140		0.718	20	
Endosulfan sulfate	0.120	0.00400	"	0.100		120	40-140		4.38	20	
Endrin	0.110	0.00400	"	0.100		110	40-140		1.33	20	
Endrin aldehyde	0.114	0.0100	"	0.100		114	40-140		1.56	20	
Endrin ketone	0.113	0.0100	"	0.100		113	40-140		2.76	20	
gamma-BHC (Lindane)	0.118	0.00400	"	0.100		118	40-140		0.800	20	
gamma-Chlordane	0.104	0.0100	"	0.100		104	40-140		1.24	20	
Heptachlor	0.102	0.00400	"	0.100		102	40-140		1.46	20	
Heptachlor epoxide	0.104	0.00400	"	0.100		104	40-140		1.42	20	
Methoxychlor	0.111	0.00400	"	0.100		111	40-140		0.360	20	
Surrogate: Decachlorobiphenyl	0.206		"	0.209		98.5	30-150				
Surrogate: Tetrachloro-m-xylene	0.197		"	0.202		97.5	30-150				

Batch BE80568 - EPA 3550C

Blank (BE80568-BLK1)

Prepared: 05/10/2018 Analyzed: 05/11/2018

4,4'-DDD	ND	0.000330	mg/kg wet								
4,4'-DDE	ND	0.000330	"								
4,4'-DDT	ND	0.000330	"								
Aldrin	ND	0.000330	"								
alpha-BHC	ND	0.000330	"								
alpha-Chlordane	ND	0.000330	"								
beta-BHC	ND	0.000330	"								
Chlordane, total	ND	0.00660	"								
delta-BHC	ND	0.000330	"								
Dieldrin	ND	0.000330	"								
Endosulfan I	ND	0.000330	"								
Endosulfan II	ND	0.000330	"								
Endosulfan sulfate	ND	0.000330	"								
Endrin	ND	0.000330	"								
Endrin aldehyde	ND	0.000330	"								
Endrin ketone	ND	0.000330	"								
gamma-BHC (Lindane)	ND	0.000330	"								
gamma-Chlordane	ND	0.000330	"								
Heptachlor	ND	0.000330	"								
Heptachlor epoxide	ND	0.000330	"								
Methoxychlor	ND	0.00165	"								
Toxaphene	ND	0.0167	"								
Surrogate: Decachlorobiphenyl	0.0754		"	0.0697		108	30-150				
Surrogate: Tetrachloro-m-xylene	0.0644		"	0.0673		95.6	30-150				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE80568 - EPA 3550C

LCS (BE80568-BS1)

Prepared: 05/10/2018 Analyzed: 05/11/2018

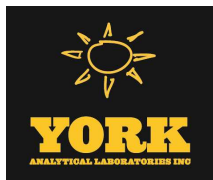
4,4'-DDD	0.0419	0.000330	mg/kg wet	0.0333		126	40-140				
4,4'-DDE	0.0377	0.000330	"	0.0333		113	40-140				
4,4'-DDT	0.0375	0.000330	"	0.0333		113	40-140				
Aldrin	0.0376	0.000330	"	0.0333		113	40-140				
alpha-BHC	0.0392	0.000330	"	0.0333		118	40-140				
alpha-Chlordane	0.0344	0.000330	"	0.0333		103	40-140				
beta-BHC	0.0422	0.000330	"	0.0333		127	40-140				
delta-BHC	0.0421	0.000330	"	0.0333		126	40-140				
Dieldrin	0.0371	0.000330	"	0.0333		111	40-140				
Endosulfan I	0.0359	0.000330	"	0.0333		108	40-140				
Endosulfan II	0.0362	0.000330	"	0.0333		109	40-140				
Endosulfan sulfate	0.0379	0.000330	"	0.0333		114	40-140				
Endrin	0.0348	0.000330	"	0.0333		104	40-140				
Endrin aldehyde	0.0368	0.000330	"	0.0333		110	40-140				
Endrin ketone	0.0373	0.000330	"	0.0333		112	40-140				
gamma-BHC (Lindane)	0.0380	0.000330	"	0.0333		114	40-140				
gamma-Chlordane	0.0338	0.000330	"	0.0333		101	40-140				
Heptachlor	0.0333	0.000330	"	0.0333		99.8	40-140				
Heptachlor epoxide	0.0341	0.000330	"	0.0333		102	40-140				
Methoxychlor	0.0347	0.00165	"	0.0333		104	40-140				
Surrogate: Decachlorobiphenyl	0.0620		"	0.0697		89.0	30-150				
Surrogate: Tetrachloro-m-xylene	0.0638		"	0.0673		94.8	30-150				

Matrix Spike (BE80568-MS1)

*Source sample: 18E0411-19 (019/LSB-19A)

Prepared: 05/10/2018 Analyzed: 05/14/2018

4,4'-DDD	0.0368	0.00175	mg/kg dry	0.0354	ND	104	30-150				
4,4'-DDE	0.0362	0.00175	"	0.0354	ND	102	30-150				
4,4'-DDT	0.0488	0.00175	"	0.0354	0.0117	105	30-150				
Aldrin	0.0255	0.00175	"	0.0354	ND	72.0	30-150				
alpha-BHC	0.0265	0.00175	"	0.0354	ND	74.9	30-150				
alpha-Chlordane	0.0365	0.00175	"	0.0354	0.0121	68.8	30-150				
beta-BHC	0.0374	0.00175	"	0.0354	ND	106	30-150				
delta-BHC	0.0268	0.00175	"	0.0354	ND	75.6	30-150				
Dieldrin	0.0315	0.00175	"	0.0354	0.00559	73.3	30-150				
Endosulfan I	0.0253	0.00175	"	0.0354	ND	71.6	30-150				
Endosulfan II	0.0268	0.00175	"	0.0354	ND	75.7	30-150				
Endosulfan sulfate	0.0288	0.00175	"	0.0354	ND	81.4	30-150				
Endrin	0.0320	0.00175	"	0.0354	ND	90.3	30-150				
Endrin aldehyde	0.0291	0.00175	"	0.0354	ND	82.3	30-150				
Endrin ketone	0.0327	0.00175	"	0.0354	ND	92.5	30-150				
gamma-BHC (Lindane)	0.0269	0.00175	"	0.0354	ND	76.1	30-150				
gamma-Chlordane	0.0321	0.00175	"	0.0354	0.00938	64.2	30-150				
Heptachlor	0.0308	0.00175	"	0.0354	ND	87.0	30-150				
Heptachlor epoxide	0.0284	0.00175	"	0.0354	ND	80.2	30-150				
Methoxychlor	0.0431	0.00876	"	0.0354	ND	122	30-150				
Surrogate: Decachlorobiphenyl	0.0884		"	0.0740		119	30-150				
Surrogate: Tetrachloro-m-xylene	0.0246		"	0.0715		34.4	30-150				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

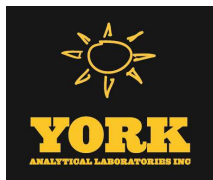
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE80568 - EPA 3550C

Matrix Spike Dup (BE80568-MSD1)		*Source sample: 18E0411-19 (019/LSB-19A)					Prepared: 05/10/2018 Analyzed: 05/15/2018				
4,4'-DDD	0.0350	0.00175	mg/kg dry	0.0354	ND	99.0	30-150		5.02	30	
4,4'-DDE	0.0360	0.00175	"	0.0354	ND	102	30-150		0.367	30	
4,4'-DDT	0.0460	0.00175	"	0.0354	0.0117	96.9	30-150		5.83	30	
Aldrin	0.0269	0.00175	"	0.0354	ND	75.9	30-150		5.20	30	
alpha-BHC	0.0275	0.00175	"	0.0354	ND	77.8	30-150		3.73	30	
alpha-Chlordane	0.0361	0.00175	"	0.0354	0.0121	67.7	30-150		1.10	30	
beta-BHC	0.0362	0.00175	"	0.0354	ND	102	30-150		3.31	30	
delta-BHC	0.0257	0.00175	"	0.0354	ND	72.5	30-150		4.19	30	
Dieldrin	0.0317	0.00175	"	0.0354	0.00559	73.9	30-150		0.638	30	
Endosulfan I	0.0266	0.00175	"	0.0354	ND	75.2	30-150		4.90	30	
Endosulfan II	0.0263	0.00175	"	0.0354	ND	74.4	30-150		1.71	30	
Endosulfan sulfate	0.0275	0.00175	"	0.0354	ND	77.8	30-150		4.56	30	
Endrin	0.0320	0.00175	"	0.0354	ND	90.5	30-150		0.249	30	
Endrin aldehyde	0.0334	0.00175	"	0.0354	ND	94.3	30-150		13.6	30	
Endrin ketone	0.0316	0.00175	"	0.0354	ND	89.2	30-150		3.62	30	
gamma-BHC (Lindane)	0.0279	0.00175	"	0.0354	ND	78.8	30-150		3.43	30	
gamma-Chlordane	0.0322	0.00175	"	0.0354	0.00938	64.6	30-150		0.396	30	
Heptachlor	0.0315	0.00175	"	0.0354	ND	89.0	30-150		2.34	30	
Heptachlor epoxide	0.0288	0.00175	"	0.0354	ND	81.3	30-150		1.22	30	
Methoxychlor	0.0486	0.00876	"	0.0354	ND	137	30-150		12.1	30	
Surrogate: Decachlorobiphenyl	0.0753		"	0.0740		102	30-150				
Surrogate: Tetrachloro-m-xylene	0.0300		"	0.0715		41.9	30-150				

Batch Y8E0321 - BE80076

Performance Mix (Y8E0321-PEM1)		Prepared & Analyzed: 05/03/2018									
4,4'-DDD	0.00		ng/mL	0.00			0-200				
4,4'-DDD	0.00		"	0.00			0-200				
4,4'-DDE	0.946		"	0.00			0-200				
4,4'-DDE	0.946		"	0.00			0-200				
4,4'-DDT	214		"	200		107	0-200				
4,4'-DDT	214		"	200		107	0-200				
Endrin	124		"	100		124	0-200				
Endrin	124		"	100		124	0-200				
Endrin aldehyde	1.48		"	0.00			0-200				
Endrin aldehyde	1.48		"	0.00			0-200				
Endrin ketone	3.92		"	0.00			0-200				
Endrin ketone	3.92		"	0.00			0-200				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch Y8E1411 - BE80295

Performance Mix (Y8E1411-PEM1)

Prepared & Analyzed: 05/11/2018

4,4'-DDD	0.00		ng/mL	0.00			0-200			
4,4'-DDE	0.901		"	0.00			0-200			
4,4'-DDT	193		"	200		96.7	0-200			
Endrin	113		"	100		113	0-200			
Endrin aldehyde	3.27		"	0.00			0-200			
Endrin ketone	6.17		"	0.00			0-200			

Performance Mix (Y8E1411-PEM2)

Prepared & Analyzed: 05/11/2018

4,4'-DDD	0.00		ng/mL	0.00			0-200			
4,4'-DDE	1.54		"	0.00			0-200			
4,4'-DDT	233		"	200		117	0-200			
Endrin	139		"	100		139	0-200			
Endrin aldehyde	1.14		"	0.00			0-200			
Endrin ketone	6.14		"	0.00			0-200			

Batch Y8E1506 - BE80295

Performance Mix (Y8E1506-PEM1)

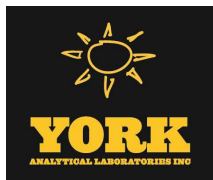
Prepared & Analyzed: 05/14/2018

4,4'-DDD	0.00		ng/mL	0.00			0-200			
4,4'-DDE	1.22		"	0.00			0-200			
4,4'-DDT	128		"	200		63.8	0-200			
Endrin	92.3		"	100		92.3	0-200			
Endrin aldehyde	1.32		"	0.00			0-200			
Endrin ketone	5.89		"	0.00			0-200			

Performance Mix (Y8E1506-PEM2)

Prepared & Analyzed: 05/14/2018

4,4'-DDD	0.00		ng/mL	0.00			0-200			
4,4'-DDE	1.13		"	0.00			0-200			
4,4'-DDT	190		"	200		95.0	0-200			
Endrin	120		"	100		120	0-200			
Endrin aldehyde	1.36		"	0.00			0-200			
Endrin ketone	6.41		"	0.00			0-200			



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch Y8E1506 - BE80295

Performance Mix (Y8E1506-PEM3)

Prepared: 05/14/2018 Analyzed: 05/15/2018

4,4'-DDD	0.00		ng/mL	0.00			0-200				
4,4'-DDE	1.49		"	0.00			0-200				
4,4'-DDT	236		"	200		118	0-200				
Endrin	140		"	100		140	0-200				
Endrin aldehyde	1.07		"	0.00			0-200				
Endrin ketone	6.07		"	0.00			0-200				



Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE80528 - EPA SW846-3510C Low Level

Blank (BE80528-BLK2)

Prepared & Analyzed: 05/10/2018

Aroclor 1016	ND	0.0500	ug/L								
Aroclor 1221	ND	0.0500	"								
Aroclor 1232	ND	0.0500	"								
Aroclor 1242	ND	0.0500	"								
Aroclor 1248	ND	0.0500	"								
Aroclor 1254	ND	0.0500	"								
Aroclor 1260	ND	0.0500	"								
Total PCBs	ND	0.0500	"								
Surrogate: Tetrachloro-m-xylene	0.216		"	0.202		107	30-150				
Surrogate: Decachlorobiphenyl	0.238		"	0.209		114	30-150				

LCS (BE80528-BS2)

Prepared & Analyzed: 05/10/2018

Aroclor 1016	1.21	0.0500	ug/L	1.00		121	40-120	High Bias		20	
Aroclor 1260	1.23	0.0500	"	1.00		123	40-120	High Bias		20	
Surrogate: Tetrachloro-m-xylene	0.215		"	0.202		106	30-150				
Surrogate: Decachlorobiphenyl	0.236		"	0.209		113	30-150				

LCS Dup (BE80528-BSD2)

Prepared & Analyzed: 05/10/2018

Aroclor 1016	1.18	0.0500	ug/L	1.00		118	40-120		2.14	20	
Aroclor 1260	1.23	0.0500	"	1.00		123	40-120	High Bias	0.0162	20	
Surrogate: Tetrachloro-m-xylene	0.210		"	0.202		104	30-150				
Surrogate: Decachlorobiphenyl	0.244		"	0.209		117	30-150				

Batch BE80568 - EPA 3550C

Blank (BE80568-BLK2)

Prepared: 05/10/2018 Analyzed: 05/11/2018

Aroclor 1016	ND	0.0167	mg/kg wet								
Aroclor 1221	ND	0.0167	"								
Aroclor 1232	ND	0.0167	"								
Aroclor 1242	ND	0.0167	"								
Aroclor 1248	ND	0.0167	"								
Aroclor 1254	ND	0.0167	"								
Aroclor 1260	ND	0.0167	"								
Total PCBs	ND	0.0167	"								
Surrogate: Tetrachloro-m-xylene	0.0693		"	0.0673		103	30-120				
Surrogate: Decachlorobiphenyl	0.0767		"	0.0697		110	30-120				



Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE80568 - EPA 3550C

LCS (BE80568-BS2)

Prepared: 05/10/2018 Analyzed: 05/11/2018

Aroclor 1016	0.389	0.0167	mg/kg wet	0.333		117	40-130				
Aroclor 1260	0.396	0.0167	"	0.333		119	40-120				
Surrogate: Tetrachloro-m-xylene	0.0697		"	0.0673		103	30-120				
Surrogate: Decachlorobiphenyl	0.0740		"	0.0697		106	30-120				

Matrix Spike (BE80568-MS2)

*Source sample: 18E0411-19 (019/LSB-19A)

Prepared: 05/10/2018 Analyzed: 05/11/2018

Aroclor 1016	0.340	0.0177	mg/kg dry	0.354	ND	96.1	40-140				
Aroclor 1260	0.294	0.0177	"	0.354	0.0353	73.0	40-140				
Surrogate: Tetrachloro-m-xylene	0.0754		"	0.0715		105	30-120				
Surrogate: Decachlorobiphenyl	0.0598		"	0.0740		80.9	30-120				

Matrix Spike Dup (BE80568-MSD2)

*Source sample: 18E0411-19 (019/LSB-19A)

Prepared: 05/10/2018 Analyzed: 05/11/2018

Aroclor 1016	0.332	0.0177	mg/kg dry	0.354	ND	93.8	40-140		2.43	50	
Aroclor 1260	0.296	0.0177	"	0.354	0.0353	73.7	40-140		0.750	50	
Surrogate: Tetrachloro-m-xylene	0.0591		"	0.0715		82.7	30-120				
Surrogate: Decachlorobiphenyl	0.0509		"	0.0739		68.9	30-120				



Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE80470 - EPA 3050B

Blank (BE80470-BLK1)

Prepared: 05/09/2018 Analyzed: 05/10/2018

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	ND	0.500	"
Iron	ND	2.00	"
Lead	ND	0.500	"
Magnesium	ND	5.00	"
Manganese	ND	0.500	"
Nickel	ND	0.500	"
Potassium	ND	5.00	"
Selenium	ND	1.00	"
Silver	ND	0.500	"
Sodium	ND	10.0	"
Thallium	ND	1.00	"
Vanadium	ND	1.00	"
Zinc	ND	1.50	"

Reference (BE80470-SRM1)

Prepared: 05/09/2018 Analyzed: 05/10/2018

Aluminum	7270	5.00	mg/kg wet	8040	90.4	39.4-160.5
Antimony	97.3	0.500	"	91.4	106	25.1-275.7
Arsenic	152	1.00	"	146	104	69.9-132.9
Barium	101	1.00	"	102	98.6	71.5-136.3
Beryllium	149	0.100	"	134	111	75.4-138.1
Cadmium	68.0	0.300	"	63.2	108	73.3-141.5
Calcium	6430	5.00	"	5930	108	73.7-136.1
Chromium	95.1	0.500	"	89.3	106	69.1-143.3
Cobalt	134	0.500	"	119	112	74.6-142
Copper	67.3	0.500	"	60.8	111	72.7-141.6
Iron	12400	2.00	"	14400	86.2	35.6-163.9
Lead	103	0.500	"	98.5	105	70.8-137.1
Magnesium	2630	5.00	"	2580	102	63.6-136.1
Manganese	408	0.500	"	370	110	75.7-134.3
Nickel	80.7	0.500	"	66.6	121	70.7-146.3
Potassium	2330	5.00	"	2340	99.5	59.8-140.2
Selenium	126	1.00	"	136	92.4	67.1-136.8
Silver	50.6	0.500	"	48.9	103	66.5-139.5
Sodium	348	10.0	"	318	109	40.6-159.8
Thallium	152	1.00	"	138	110	68-136.2
Vanadium	68.0	1.00	"	69.7	97.6	58.9-141.8
Zinc	189	1.50	"	177	107	69.5-131.1



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
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Batch BE80635 - EPA 3015A

Blank (BE80635-BLK1)

Prepared: 05/11/2018 Analyzed: 05/14/2018

Aluminum - Dissolved	ND	0.0556	mg/L
Barium - Dissolved	ND	0.0111	"
Calcium - Dissolved	ND	0.0556	"
Chromium - Dissolved	ND	0.00556	"
Cobalt - Dissolved	ND	0.00556	"
Copper - Dissolved	ND	0.00556	"
Iron - Dissolved	ND	0.0222	"
Lead - Dissolved	ND	0.00556	"
Magnesium - Dissolved	ND	0.0556	"
Manganese - Dissolved	ND	0.00556	"
Nickel - Dissolved	ND	0.00556	"
Potassium - Dissolved	ND	0.0556	"
Silver - Dissolved	ND	0.00556	"
Sodium - Dissolved	0.116	0.111	"
Vanadium - Dissolved	ND	0.0111	"
Zinc - Dissolved	ND	0.0167	"

LCS (BE80635-BS1)

Prepared: 05/11/2018 Analyzed: 05/14/2018

Aluminum - Dissolved	2.03	ug/mL	2.00	102	80-120
Barium - Dissolved	2.05	"	2.00	103	80-120
Calcium - Dissolved	0.942	"	1.00	94.2	80-120
Chromium - Dissolved	0.204	"	0.200	102	80-120
Cobalt - Dissolved	0.531	"	0.500	106	80-120
Copper - Dissolved	0.253	"	0.250	101	80-120
Iron - Dissolved	1.03	"	1.00	103	80-120
Lead - Dissolved	0.503	"	0.500	101	80-120
Magnesium - Dissolved	1.04	"	1.00	104	80-120
Manganese - Dissolved	0.513	"	0.500	103	80-120
Nickel - Dissolved	0.516	"	0.500	103	80-120
Potassium - Dissolved	1.09	"	1.00	109	80-120
Silver - Dissolved	0.0530	"	0.0500	106	80-120
Sodium - Dissolved	1.11	"	1.00	111	80-120
Vanadium - Dissolved	0.494	"	0.500	98.7	80-120
Zinc - Dissolved	0.498	"	0.500	99.6	80-120



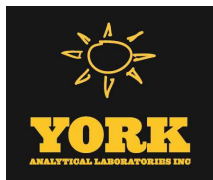
Metals by ICP - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE80635 - EPA 3015A

Duplicate (BE80635-DUP1)		*Source sample: 18E0411-13 (013/FB-1)					Prepared: 05/11/2018 Analyzed: 05/14/2018				
Aluminum - Dissolved	ND	0.0556	mg/L		ND					20	
Barium - Dissolved	ND	0.0111	"		ND					20	
Calcium - Dissolved	ND	0.0556	"		ND					20	
Chromium - Dissolved	ND	0.00556	"		ND					20	
Cobalt - Dissolved	ND	0.00556	"		ND					20	
Copper - Dissolved	ND	0.00556	"		ND					20	
Iron - Dissolved	ND	0.0222	"		ND					20	
Lead - Dissolved	ND	0.00556	"		ND					20	
Magnesium - Dissolved	ND	0.0556	"		ND					20	
Manganese - Dissolved	ND	0.00556	"		ND					20	
Nickel - Dissolved	ND	0.00556	"		ND					20	
Potassium - Dissolved	0.193	0.0556	"		0.301				43.9	20	Non-dir.
Silver - Dissolved	ND	0.00556	"		ND					20	
Sodium - Dissolved	0.398	0.111	"		0.480				18.7	20	
Vanadium - Dissolved	ND	0.0111	"		ND					20	
Zinc - Dissolved	ND	0.0167	"		ND					20	

Matrix Spike (BE80635-MS1)		*Source sample: 18E0411-13 (013/FB-1)					Prepared: 05/11/2018 Analyzed: 05/14/2018				
Barium - Dissolved	2.24	0.0111	mg/L	2.22	ND	101	75-125				
Chromium - Dissolved	0.236	0.00556	"	0.222	ND	106	75-125				
Cobalt - Dissolved	0.584	0.00556	"	0.556	ND	105	75-125				
Copper - Dissolved	0.276	0.00556	"	0.278	ND	99.5	75-125				
Iron - Dissolved	1.22	0.0222	"	1.11	ND	109	75-125				
Lead - Dissolved	0.553	0.00556	"	0.556	ND	99.5	75-125				
Manganese - Dissolved	0.564	0.00556	"	0.556	ND	101	75-125				
Nickel - Dissolved	0.570	0.00556	"	0.556	ND	103	75-125				
Silver - Dissolved	0.0578	0.00556	"	0.0556	ND	104	75-125				
Vanadium - Dissolved	0.540	0.0111	"	0.556	ND	97.3	75-125				
Zinc - Dissolved	0.543	0.0167	"	0.556	ND	97.7	75-125				



Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE80637 - EPA 3015A

Blank (BE80637-BLK1)

Prepared: 05/11/2018 Analyzed: 05/14/2018

Aluminum	ND	0.0556	mg/L
Barium	ND	0.0111	"
Calcium	ND	0.0556	"
Chromium	ND	0.00556	"
Cobalt	ND	0.00556	"
Copper	ND	0.00556	"
Iron	0.0297	0.0222	"
Lead	ND	0.00556	"
Magnesium	ND	0.0556	"
Manganese	ND	0.00556	"
Nickel	ND	0.00556	"
Potassium	ND	0.0556	"
Silver	ND	0.00556	"
Sodium	ND	0.111	"
Vanadium	ND	0.0111	"
Zinc	ND	0.0167	"

LCS (BE80637-BS1)

Prepared: 05/11/2018 Analyzed: 05/14/2018

Aluminum	1.98		ug/mL	2.00	99.2	80-120
Barium	2.02		"	2.00	101	80-120
Calcium	0.874		"	1.00	87.4	80-120
Chromium	0.208		"	0.200	104	80-120
Cobalt	0.516		"	0.500	103	80-120
Copper	0.253		"	0.250	101	80-120
Iron	1.01		"	1.00	101	80-120
Lead	0.491		"	0.500	98.3	80-120
Magnesium	1.01		"	1.00	101	80-120
Manganese	0.507		"	0.500	101	80-120
Nickel	0.504		"	0.500	101	80-120
Potassium	0.977		"	1.00	97.7	80-120
Silver	0.0542		"	0.0500	108	80-120
Sodium	1.03		"	1.00	103	80-120
Vanadium	0.490		"	0.500	98.0	80-120
Zinc	0.479		"	0.500	95.9	80-120



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
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Batch BE80636 - EPA 3015A

Blank (BE80636-BLK1)

Prepared: 05/11/2018 Analyzed: 05/14/2018

Antimony - Dissolved	ND	0.00111	mg/L
Arsenic - Dissolved	ND	0.00111	"
Beryllium - Dissolved	ND	0.00111	"
Cadmium - Dissolved	ND	0.00111	"
Selenium - Dissolved	ND	0.00111	"
Thallium - Dissolved	ND	0.00111	"

LCS (BE80636-BS1)

Prepared: 05/11/2018 Analyzed: 05/14/2018

Antimony - Dissolved	41.9		ug/L	50.0		83.7	80-120
Arsenic - Dissolved	43.8		"	50.0		87.5	80-120
Beryllium - Dissolved	45.4		"	50.0		90.8	80-120
Cadmium - Dissolved	42.9		"	50.0		85.9	80-120
Selenium - Dissolved	37.9		"	50.0		75.8	80-120 Low Bias
Thallium - Dissolved	42.9		"	50.0		85.7	80-120

Duplicate (BE80636-DUP1)

*Source sample: 18E0411-13 (013/FB-1)

Prepared: 05/11/2018 Analyzed: 05/14/2018

Antimony - Dissolved	ND	0.00111	mg/L		ND		20
Arsenic - Dissolved	ND	0.00111	"		ND		20
Beryllium - Dissolved	ND	0.00111	"		ND		20
Cadmium - Dissolved	ND	0.00111	"		ND		20
Selenium - Dissolved	ND	0.00111	"		ND		20
Thallium - Dissolved	ND	0.00111	"		ND		20

Matrix Spike (BE80636-MS1)

*Source sample: 18E0411-13 (013/FB-1)

Prepared: 05/11/2018 Analyzed: 05/14/2018

Antimony - Dissolved	41.0		ug/L	50.0	-0.0002	82.0	75-125
Arsenic - Dissolved	43.3		"	50.0	0.014	86.6	75-125
Beryllium - Dissolved	46.9		"	50.0	0.002	93.8	75-125
Cadmium - Dissolved	42.3		"	50.0	0.002	84.6	75-125
Selenium - Dissolved	40.1		"	50.0	-1.14	80.2	75-125
Thallium - Dissolved	43.9		"	50.0	0.030	87.8	75-125



Metals by ICP/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE80638 - EPA 3015A

Blank (BE80638-BLK1)

Prepared: 05/11/2018 Analyzed: 05/14/2018

Antimony	ND	0.00111	mg/L
Arsenic	ND	0.00111	"
Beryllium	ND	0.00111	"
Cadmium	ND	0.00111	"
Selenium	ND	0.00111	"
Thallium	ND	0.00111	"

LCS (BE80638-BS1)

Prepared: 05/11/2018 Analyzed: 05/14/2018

Antimony	41.5		ug/L	50.0	83.0	80-120
Arsenic	43.7		"	50.0	87.4	80-120
Beryllium	50.2		"	50.0	100	80-120
Cadmium	42.7		"	50.0	85.5	80-120
Selenium	37.8		"	50.0	75.5	80-120 Low Bias
Thallium	45.1		"	50.0	90.2	80-120



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
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Batch BE80466 - EPA 7473 soil

Blank (BE80466-BLK1)

Prepared & Analyzed: 05/09/2018

Mercury ND 0.0300 mg/kg wet

Reference (BE80466-SRM1)

Prepared & Analyzed: 05/09/2018

Mercury 10.658 mg/kg 13.8 77.2 57.1-143.5

Batch BE80578 - EPA 7473 water

Blank (BE80578-BLK1)

Prepared & Analyzed: 05/10/2018

Mercury ND 0.00020 mg/L

Reference (BE80578-SRM1)

Prepared & Analyzed: 05/10/2018

Mercury 0.00911 mg/L 0.0100 91.1 70-130

Batch BE80606 - EPA 7473 water

Blank (BE80606-BLK1)

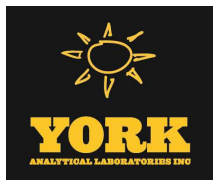
Prepared & Analyzed: 05/11/2018

Mercury - Dissolved ND 0.0002000 mg/L

Reference (BE80606-SRM1)

Prepared & Analyzed: 05/11/2018

Mercury - Dissolved 0.008742 mg/L 0.0100 87.4 70-130



Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE80730 - % Solids Prep

Duplicate (BE80730-DUP1)		*Source sample: 18E0411-05 (005/LSB-15A)						Prepared & Analyzed: 05/14/2018			
% Solids	94.0	0.100	%		94.4				0.467	20	



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 BE80442 - Analysis Preparation											
Blank (BE80442-BLK1)								Prepared & Analyzed: 05/08/2018			
Chromium, Hexavalent	ND	0.0100	mg/L								
LCS (BE80442-BS1)								Prepared & Analyzed: 05/08/2018			
Chromium, Hexavalent	0.497	0.0100	mg/L	0.500		99.4	80-120				
Batch BE80475 - EPA SW846-3060											
Blank (BE80475-BLK1)								Prepared & Analyzed: 05/09/2018			
Chromium, Hexavalent	ND	0.500	mg/kg wet								
Duplicate (BE80475-DUP1)								Prepared & Analyzed: 05/09/2018			
Chromium, Hexavalent	ND	0.561	mg/kg dry		ND					35	
Matrix Spike (BE80475-MS1)								Prepared & Analyzed: 05/09/2018			
Chromium, Hexavalent	ND	0.561	mg/kg dry	22.5	ND		75-125	Low Bias			
Reference (BE80475-SRM1)								Prepared & Analyzed: 05/09/2018			
Chromium, Hexavalent	43.9		mg/L	76.9		57.1	20.3-212				



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
18E0411-04	004/TB-1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18E0411-05	005/LSB-15A	40mL Vial with Stir Bar-Cool 4° C
18E0411-06	006/LSB-15B	40mL Vial with Stir Bar-Cool 4° C
18E0411-07	007/LSB-17A	40mL Vial with Stir Bar-Cool 4° C
18E0411-08	008/LSB-17B	40mL Vial with Stir Bar-Cool 4° C
18E0411-09	009/LSB-20A	40mL Vial with Stir Bar-Cool 4° C
18E0411-10	010/LSB-20B	40mL Vial with Stir Bar-Cool 4° C
18E0411-11	011/LSB-18A	40mL Vial with Stir Bar-Cool 4° C
18E0411-12	012/LSB-18B	40mL Vial with Stir Bar-Cool 4° C
18E0411-13	013/FB-1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18E0411-14	014/LSB-16A	40mL Vial with Stir Bar-Cool 4° C
18E0411-15	015/DUP-1	40mL Vial with Stir Bar-Cool 4° C
18E0411-16	016/LSB-16B	40mL Vial with Stir Bar-Cool 4° C
18E0411-17	017/LSB-14A	40mL Vial with Stir Bar-Cool 4° C
18E0411-18	018/LSB-14B	40mL Vial with Stir Bar-Cool 4° C
18E0411-19	019/LSB-19A	40mL Vial with Stir Bar-Cool 4° C
18E0411-20	020/LSB-19B	40mL Vial with Stir Bar-Cool 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%).
QR-04	The RPD exceeded control limits for the LCS/LCSD QC.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
M-SRD1	The serial dilution for this element was outside control limits.
M-SRD	The Serial Dilution result is not evaluated since the native sample conc was <25X the Reporting Limit for this element..
M-MBLk	Analyte was detected in the batch method blank above the Reporting Limit.
M-DUPS	The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity
M-CRL	The RL check for this element recovered outside of control limits.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
GC-SCu	This surrogate recovered below control limits due to extract clean-up required. The alternate surrogate, Decachlorobiphenyl is within control limits.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

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



High Bias High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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



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Field Chain-of-Custody Record

YORK Project No.
18E0411

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

Page **1** of **2**

YOUR INFORMATION		Report To:		Invoice To:		YOUR Project Number		Turn-Around Time	
Company:	LANGAN	Company:		Company:		100688801		RUSH - Next Day	
Address:	300 Kimball Dr Floor 4	Address:		Address:				RUSH - Two Day	
Phone:	973-560-4900	Phone:		Phone:	SAME			RUSH - Three Day	
Contact:	A. Forsburg	Contact:		Contact:				RUSH - Four Day	
E-mail:	aforsburg@langan.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) <i>Alyson Kutzler</i> Alyson Kutzler		S - soil / solid		☒ New York		Summary Report		Compared to the following Regulation(s): (please fill in)	
		GW - groundwater		New Jersey		CT RCP			
		DW - drinking water		Connecticut		QA Report			
		WW - wastewater		Pennsylvania		NY ASP A Package			
		O - Oil ; Other		Other		NY ASP B Package			
						NJDEP Reduced Deliverables			
						NJDEP SRP HazSite			
						Other:			
						NJDKQP			
Sample Identification		Sample Matrix		Date/Time Sampled		Analysis Requested		Container Description	
001 LTP-7		S		5/7/18 1400		VOC, SVOC, PCB, PEST, TAL METAL, XCR		(1) 802(4) VOA	
002 LTP-2		S		5/7/18 1430				↓	
003 LTP-1		S		5/7/18 1445				↓	
004 LSB-1		AQ		5/8/18 -		VOCs		(2) VOA	
005 LSB-15A		S		5/8/18 0810		VOC, SVOC, PCB, PEST, TAL METAL, XCR		(1) 802(4) VOA	
006 LSB-15B		S		5/8/18 0815				↓	
007 LSB-17A		S		5/8/18 0845				↓	
008 LSB-17B		S		5/8/18 0850				↓	
009 LSB-20A		S		5/8/18 0905				↓	
010 LSB-20B		S		5/8/18 0920				↓	
Comments: 001 LTP-7, 002 LTP-2, and 003 LTP-1 on hold. 5 day Firm TAT									
Preservation: (check all that apply)									
HCl ☒ MeOH ☒ HNO ₃ ☐ H ₂ SO ₄ ☐ NaOH ☐ ZnAc ☐									
Ascorbic Acid ☐ Other: ☐									
Samples Relinquished by / Company		Date/Time		Samples Relinquished by / Company		Date/Time		Special Instruction	
Kutzler LANGAN		5/8/18 1445		Jedmund		5/8/18 2447		Field Filtered Lab to Filter ☒	
Received by / Company		Date/Time		Samples Received by / Company		Date/Time		Date/Time	
								5/8/18 1911	
Relinquished by / Company		Date/Time		Samples Received in LAB by		Date/Time		Temp. Received at Lab	
				TC Lab 5/8/18 1911				3.0	



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YORK
ANALYTICAL LABORATORIES, INC.

Field Chain-of-Custody Record

YORK Project No.
18E0411

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

Page **2** of **2**

YOUR INFORMATION		Report To:		Invoice To:		YOUR PROJECT NUMBER		Turn-Around Time	
Company:	LANGAN	Company:		Company:		100688801		RUSH - Next Day	
Address:	300 Kimball Dr. Parsippany, NJ	Address:		Address:	SAME			RUSH - Two Day	
Phone:	973 5604900	Phone:		Phone:				RUSH - Three Day	
Contact:	A Forsberg	Contact:		Contact:				RUSH - Four Day	
E-mail:	aforsberg@langan.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) <i>Alyson Kritzer</i> Alyson Kritzer		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	
011 LSB-18A		S		5/8/18 0930		VOC, SVOC, PCB, PEST, METAL, XCR		(1) 802/4) VOA	
012 LSB-18B		S		5/8/18 0955				4 Ambic, 2 Pic, 1 DC, 3 VOA	
013 FB-1		AQ		5/8/18 1040				(1) 802/4) VOA	
014 LSB-10A		S		5/8/18 1140					
015 DUP-1		S		5/8/18 1145					
016 LSB-10B		S		5/8/18 1150					
017 LSB-14A		S		5/8/18 1225					
018 LSB-14B		S		5/8/18 1230					
019 LSB-19A		S		5/8/18 1310					
020 LSB-19B		S		5/8/18 1400					
Comments: 5 Day Firm TAT									
Preservation: (check all that apply)		HCl ☒ MeOH ☒ HNO ₃ ☒ H ₂ SO ₄ ☒ NaOH ☒ ZnAc ☒		Ascorbic Acid ☒ Other: ☒				Special Instruction	
Field Filtered ☒		Lab to Filter ☒							
Date/Time		5/8/18 2:50 PM		Date/Time		5/8/18 1911			
Samples Relinquished by / Company		Kutty LANGAN		Date/Time		5/8/18 1911			
Is Received by / Company		Alyson Kritzer		Date/Time					
Is Relinquished by / Company		Alyson Kritzer		Date/Time					
Temp. Received at Lab		3.0		Date/Time		5/8/18 1911		Degrees C	



Technical Report

prepared for:

Langan Engineering & Environmental Services (NJ)

300 Kimball Drive

Parsipanny NJ, 07054

Attention: Amanda Forsburg

Report Date: 05/16/2018

Client Project ID: 100688801

York Project (SDG) No.: 18E0487



CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037

New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

Report Date: 05/16/2018
Client Project ID: 100688801
York Project (SDG) No.: 18E0487

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 May 09, 2018 and listed below. The project was identified as your project: **100688801**.

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>
18E0487-01	021/LSB-12A	Soil	05/09/2018	05/09/2018
18E0487-02	022/LSB-12B	Soil	05/09/2018	05/09/2018
18E0487-03	023/LSB-10A	Soil	05/09/2018	05/09/2018
18E0487-04	024/LSB-10B	Soil	05/09/2018	05/09/2018
18E0487-05	025/LSB-13A	Soil	05/09/2018	05/09/2018
18E0487-06	026/LSB-13B	Soil	05/09/2018	05/09/2018
18E0487-07	027/LSB-8A	Soil	05/09/2018	05/09/2018
18E0487-08	028/LSB-8B	Soil	05/09/2018	05/09/2018
18E0487-09	029/TB-2	Water	05/09/2018	05/09/2018

General Notes for York Project (SDG) No.: 18E0487

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: 05/16/2018





Sample Information

Client Sample ID: 021/LSB-12A

York Sample ID: 18E0487-01

York Project (SDG) No.

18E0487

Client Project ID

100688801

Matrix

Soil

Collection Date/Time

May 9, 2018 8:00 am

Date Received

05/09/2018

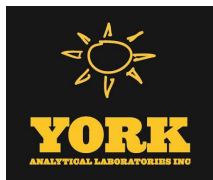
Volatiles, 8260 Comprehensive

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,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:17	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:17	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:17	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,NELAC-NY12058,NJDEP	05/14/2018 14:46	05/15/2018 01:17	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:17	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:17	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:17	SS
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:17	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:17	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/14/2018 14:46	05/15/2018 01:17	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:17	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:17	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:17	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:17	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:17	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:17	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:17	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:17	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:17	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:17	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:17	SS



Sample Information

Client Sample ID: 021/LSB-12A

York Sample ID: 18E0487-01

York Project (SDG) No.
18E0487

Client Project ID
100688801

Matrix
Soil

Collection Date/Time
May 9, 2018 8:00 am

Date Received
05/09/2018

Volatiles, 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
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.045	0.091	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:17	SS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/14/2018 14:46	05/15/2018 01:17	SS
78-93-3	2-Butanone	0.013		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:17	SS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:17	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:17	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:17	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:17	SS
67-64-1	Acetone	0.048	CCV-E, SCAL-E	mg/kg dry	0.0045	0.0091	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:17	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0045	0.0091	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:17	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:17	SS
71-43-2	Benzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:17	SS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:17	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:17	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:17	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:17	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:17	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:17	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:17	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:17	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:17	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:17	SS



Sample Information

Client Sample ID: 021/LSB-12A

York Sample ID: 18E0487-01

York Project (SDG) No.
18E0487

Client Project ID
100688801

Matrix
Soil

Collection Date/Time
May 9, 2018 8:00 am

Date Received
05/09/2018

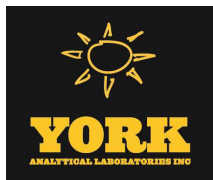
Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-87-3	Chloromethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:17	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:17	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:17	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:17	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:17	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:17	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:17	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:17	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:17	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:17	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:17	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:17	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:17	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0045	0.0091	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:17	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:17	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:17	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:17	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0045	0.0091	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:17	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:17	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:17	SS
100-42-5	Styrene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:17	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0023	0.0091	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:17	SS



Sample Information

Client Sample ID: 021/LSB-12A

York Sample ID: 18E0487-01

York Project (SDG) No.
18E0487

Client Project ID
100688801

Matrix
Soil

Collection Date/Time
May 9, 2018 8:00 am

Date Received
05/09/2018

Volatiles, 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
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:17	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:17	SS
108-88-3	Toluene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:17	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:17	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:17	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:17	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:17	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0023	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:17	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/14/2018 14:46	05/15/2018 01:17	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	98.9 %	77-125								
2037-26-5	Surrogate: Toluene-d8	105 %	85-120								
460-00-4	Surrogate: p-Bromofluorobenzene	109 %	76-130								

Semivolatiles, 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	0.0458	0.0914	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 20:42	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0914	0.182	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 20:42	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 20:42	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/14/2018 13:47	05/15/2018 20:42	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 20:42	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/14/2018 13:47	05/15/2018 20:42	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/14/2018 13:47	05/15/2018 20:42	KH



Sample Information

Client Sample ID: 021/LSB-12A

York Sample ID: 18E0487-01

York Project (SDG) No.

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May 9, 2018 8:00 am

05/09/2018

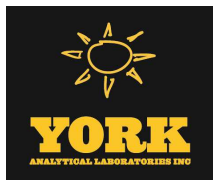
Semivolatiles, 8270 Comprehensive

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	0.0914	0.182	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 20:42	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 20:42	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 20:42	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 20:42	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 20:42	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0914	0.182	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 20:42	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 20:42	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 20:42	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 20:42	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 20:42	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 20:42	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 20:42	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0914	0.182	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 20:42	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 20:42	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 20:42	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 20:42	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0914	0.182	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 20:42	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0914	0.182	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 20:42	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 20:42	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 20:42	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 20:42	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 20:42	KH



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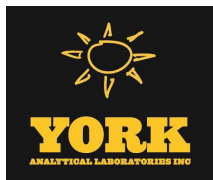
Semivolatiles, 8270 Comprehensive

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
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0914	0.182	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 20:42	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0914	0.182	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 20:42	KH
83-32-9	Acenaphthene	0.0504	J	mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 20:42	KH
208-96-8	Acenaphthylene	0.0686	J	mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 20:42	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 20:42	KH
62-53-3	Aniline	ND		mg/kg dry	0.183	0.366	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 20:42	KH
120-12-7	Anthracene	0.169		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 20:42	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 20:42	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 20:42	KH
92-87-5	Benzidine	ND		mg/kg dry	0.183	0.366	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	05/14/2018 13:47	05/15/2018 20:42	KH
56-55-3	Benzo(a)anthracene	0.838		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 20:42	KH
50-32-8	Benzo(a)pyrene	0.935		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 20:42	KH
205-99-2	Benzo(b)fluoranthene	0.835		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 20:42	KH
191-24-2	Benzo(g,h,i)perylene	0.673		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 20:42	KH
207-08-9	Benzo(k)fluoranthene	0.781		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 20:42	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 20:42	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 20:42	KH
85-68-7	Benzyl butyl phthalate	0.407		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 20:42	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 20:42	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 20:42	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 20:42	KH
117-81-7	Bis(2-ethylhexyl)phthalate	0.443		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 20:42	KH



Sample Information

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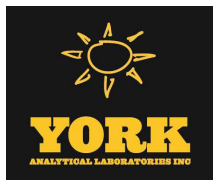
Semivolatiles, 8270 Comprehensive

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
105-60-2	Caprolactam	ND		mg/kg dry	0.0914	0.182	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 20:42	KH
86-74-8	Carbazole	0.0825	J	mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 20:42	KH
218-01-9	Chrysene	0.875		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 20:42	KH
53-70-3	Dibenzo(a,h)anthracene	0.221		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 20:42	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 20:42	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 20:42	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 20:42	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 20:42	KH
117-84-0	Di-n-octyl phthalate	0.0497	CCV-E, J	mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 20:42	KH
206-44-0	Fluoranthene	1.73		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 20:42	KH
86-73-7	Fluorene	0.0475	J	mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 20:42	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 20:42	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 20:42	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 20:42	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 20:42	KH
193-39-5	Indeno(1,2,3-cd)pyrene	0.559		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 20:42	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 20:42	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 20:42	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 20:42	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 20:42	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 20:42	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 20:42	KH



Sample Information

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Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 20:42	KH
85-01-8	Phenanthrene	0.620		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 20:42	KH
108-95-2	Phenol	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 20:42	KH
129-00-0	Pyrene	1.41		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 20:42	KH
110-86-1	Pyridine	ND		mg/kg dry	0.183	0.366	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 20:42	KH
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	51.7 %	20-108								
4165-62-2	Surrogate: Phenol-d5	58.8 %	23-114								
4165-60-0	Surrogate: Nitrobenzene-d5	53.3 %	22-108								
321-60-8	Surrogate: 2-Fluorobiphenyl	56.5 %	21-113								
118-79-6	Surrogate: 2,4,6-Tribromophenol	89.4 %	19-110								
1718-51-0	Surrogate: Terphenyl-d14	54.2 %	24-116								

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 10:36	SA
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 10:36	SA
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 10:36	SA
309-00-2	Aldrin	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 10:36	SA
319-84-6	alpha-BHC	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 10:36	SA
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/14/2018 07:15	05/16/2018 10:36	SA
319-85-7	beta-BHC	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 10:36	SA
57-74-9	Chlordane, total	ND		mg/kg dry	0.0360	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 10:36	SA
319-86-8	delta-BHC	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 10:36	SA
60-57-1	Dieldrin	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 10:36	SA



Sample Information

Client Sample ID: 021/LSB-12A

York Sample ID: 18E0487-01

York Project (SDG) No.
18E0487

Client Project ID
100688801

Matrix
Soil

Collection Date/Time
May 9, 2018 8:00 am

Date Received
05/09/2018

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
959-98-8	Endosulfan I	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 10:36	SA
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	05/14/2018 07:15	05/16/2018 10:36	SA
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 10:36	SA
72-20-8	Endrin	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 10:36	SA
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 10:36	SA
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 10:36	SA
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 10:36	SA
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/14/2018 07:15	05/16/2018 10:36	SA
76-44-8	Heptachlor	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 10:36	SA
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 10:36	SA
72-43-5	Methoxychlor	ND		mg/kg dry	0.00901	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 10:36	SA
8001-35-2	Toxaphene	ND		mg/kg dry	0.0912	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 10:36	SA
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	89.8 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	35.8 %	30-150							

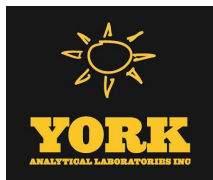
Polychlorinated Biphenyls (PCB), 8082 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/14/2018 07:15	05/14/2018 20:02	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/14/2018 07:15	05/14/2018 20:02	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/14/2018 07:15	05/14/2018 20:02	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/14/2018 07:15	05/14/2018 20:02	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/14/2018 07:15	05/14/2018 20:02	LAB



Sample Information

Client Sample ID: 021/LSB-12A

York Sample ID: 18E0487-01

York Project (SDG) No.
18E0487

Client Project ID
100688801

Matrix
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May 9, 2018 8:00 am

Date Received
05/09/2018

Polychlorinated Biphenyls (PCB), 8082 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/14/2018 07:15	05/14/2018 20:02	LAB
11096-82-5	Aroclor 1260	0.113		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/14/2018 07:15	05/14/2018 20:02	LAB
1336-36-3	* Total PCBs	0.113		mg/kg dry	0.0182	1	EPA 8082A Certifications:	05/14/2018 07:15	05/14/2018 20:02	LAB
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	69.3 %		30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	58.4 %		30-120						

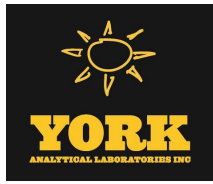
Metals, Target Analyte

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	4900		mg/kg dry	5.48	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:08	KML
7440-36-0	Antimony	0.599		mg/kg dry	0.548	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:08	KML
7440-38-2	Arsenic	1.95		mg/kg dry	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:08	KML
7440-39-3	Barium	156		mg/kg dry	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:08	KML
7440-41-7	Beryllium	0.182		mg/kg dry	0.110	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:08	KML
7440-43-9	Cadmium	1.16		mg/kg dry	0.329	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:08	KML
7440-70-2	Calcium	19400		mg/kg dry	5.48	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:08	KML
7440-47-3	Chromium	18.6		mg/kg dry	0.548	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:08	KML
7440-48-4	Cobalt	5.10		mg/kg dry	0.548	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:08	KML
7440-50-8	Copper	112		mg/kg dry	0.548	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:08	KML
7439-89-6	Iron	19400		mg/kg dry	2.19	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:08	KML
7439-92-1	Lead	286		mg/kg dry	0.548	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:08	KML
7439-95-4	Magnesium	7020		mg/kg dry	5.48	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:08	KML
7439-96-5	Manganese	210		mg/kg dry	0.548	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:08	KML



Sample Information

Client Sample ID: 021/LSB-12A

York Sample ID: 18E0487-01

York Project (SDG) No.

18E0487

Client Project ID

100688801

Matrix

Soil

Collection Date/Time

May 9, 2018 8:00 am

Date Received

05/09/2018

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	19.4		mg/kg dry	0.548	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:08	KML
7440-09-7	Potassium	610	B	mg/kg dry	5.48	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:08	KML
7782-49-2	Selenium	ND		mg/kg dry	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:08	KML
7440-22-4	Silver	ND		mg/kg dry	0.548	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:08	KML
7440-23-5	Sodium	189	B	mg/kg dry	11.0	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/10/2018 08:51	05/14/2018 18:08	KML
7440-28-0	Thallium	ND		mg/kg dry	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:08	KML
7440-62-2	Vanadium	21.0		mg/kg dry	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:08	KML
7440-66-6	Zinc	330		mg/kg dry	1.64	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:08	KML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.496		mg/kg dry	0.0329	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	05/11/2018 08:37	05/11/2018 16:04	SY

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	91.3		%	0.100	1	SM 2540G Certifications: CTDOH	05/15/2018 13:10	05/15/2018 16:36	AD

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	0.548	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	05/11/2018 09:08	05/11/2018 16:23	TJD

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

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

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Sample Information

Client Sample ID: 021/LSB-12A

York Sample ID: 18E0487-01

York Project (SDG) No.

18E0487

Client Project ID

100688801

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Soil

Collection Date/Time

May 9, 2018 8:00 am

Date Received

05/09/2018

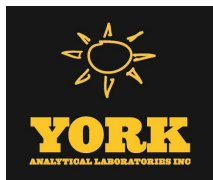
Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	18.6		mg/kg	0.500	1	Calculation Certifications:	05/16/2018 14:41	05/16/2018 14:52	PAM



Sample Information

Client Sample ID: 022/LSB-12B

York Sample ID: 18E0487-02

York Project (SDG) No.

Client Project ID

Matrix

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18E0487

100688801

Soil

May 9, 2018 8:25 am

05/09/2018

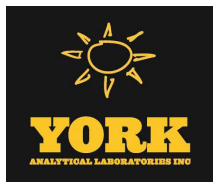
Volatiles, 8260 Comprehensive

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	0.0038	0.0077	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:49	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:49	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:49	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/14/2018 14:46	05/15/2018 01:49	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:49	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:49	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:49	SS
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:49	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:49	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/14/2018 14:46	05/15/2018 01:49	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:49	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:49	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:49	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:49	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:49	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:49	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:49	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:49	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:49	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:49	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:49	SS



Sample Information

Client Sample ID: 022/LSB-12B

York Sample ID: 18E0487-02

York Project (SDG) No.

18E0487

Client Project ID

100688801

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May 9, 2018 8:25 am

Date Received

05/09/2018

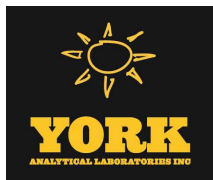
Volatiles, 8260 Comprehensive

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
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.077	0.15	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:49	SS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/14/2018 14:46	05/15/2018 01:49	SS
78-93-3	2-Butanone	0.033		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:49	SS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:49	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:49	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:49	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:49	SS
67-64-1	Acetone	0.16	CCV-E, SCAL-E	mg/kg dry	0.0077	0.015	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:49	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0077	0.015	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:49	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:49	SS
71-43-2	Benzene	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:49	SS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:49	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:49	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:49	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:49	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:49	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:49	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:49	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:49	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:49	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:49	SS



Sample Information

Client Sample ID: 022/LSB-12B

York Sample ID: 18E0487-02

York Project (SDG) No.
18E0487

Client Project ID
100688801

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May 9, 2018 8:25 am

Date Received
05/09/2018

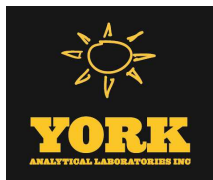
Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-87-3	Chloromethane	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:49	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:49	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:49	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:49	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:49	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:49	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:49	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:49	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:49	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:49	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:49	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:49	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:49	SS
75-09-2	Methylene chloride	0.0084	CCV-E, SCAL- E, J	mg/kg dry	0.0077	0.015	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:49	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:49	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:49	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:49	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0077	0.015	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:49	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:49	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:49	SS
100-42-5	Styrene	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:49	SS



Sample Information

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York Sample ID: 18E0487-02

York Project (SDG) No.
18E0487

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May 9, 2018 8:25 am

Date Received
05/09/2018

Volatiles, 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	0.0038	0.015	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:49	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:49	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:49	SS
108-88-3	Toluene	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:49	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:49	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:49	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:49	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:49	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 01:49	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.012	0.023	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/14/2018 14:46	05/15/2018 01:49	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	103 %	77-125								
2037-26-5	Surrogate: Toluene-d8	105 %	85-120								
460-00-4	Surrogate: p-Bromofluorobenzene	107 %	76-130								

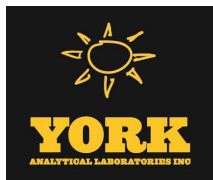
Semivolatiles, 8270 Comprehensive

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	0.397		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:15	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0997	0.199	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:15	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:15	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/14/2018 13:47	05/15/2018 21:15	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:15	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/14/2018 13:47	05/15/2018 21:15	KH



Sample Information

Client Sample ID: 022/LSB-12B

York Sample ID: 18E0487-02

York Project (SDG) No.

18E0487

Client Project ID

100688801

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May 9, 2018 8:25 am

Date Received

05/09/2018

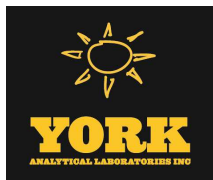
Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/14/2018 13:47	05/15/2018 21:15	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0997	0.199	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:15	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:15	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:15	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:15	KH
105-67-9	2,4-Dimethylphenol	0.146		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:15	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0997	0.199	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:15	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:15	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:15	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:15	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:15	KH
91-57-6	2-Methylnaphthalene	1.72		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:15	KH
95-48-7	2-Methylphenol	0.107		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:15	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0997	0.199	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:15	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:15	KH
65794-96-9	3- & 4-Methylphenols	0.213		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:15	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:15	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0997	0.199	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:15	KH
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	05/14/2018 13:47	05/15/2018 21:15	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:15	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:15	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:15	KH



Sample Information

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Soil

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05/09/2018

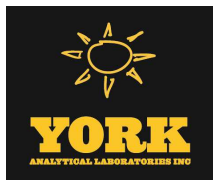
Semivolatiles, 8270 Comprehensive

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
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:15	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0997	0.199	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:15	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0997	0.199	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:15	KH
83-32-9	Acenaphthene	3.08		mg/kg dry	0.500	0.997	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 09:27	KH
208-96-8	Acenaphthylene	1.19		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:15	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:15	KH
62-53-3	Aniline	ND		mg/kg dry	0.200	0.399	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:15	KH
120-12-7	Anthracene	8.71		mg/kg dry	0.500	0.997	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 09:27	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:15	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:15	KH
92-87-5	Benzidine	ND		mg/kg dry	0.200	0.399	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	05/14/2018 13:47	05/15/2018 21:15	KH
56-55-3	Benzo(a)anthracene	12.2		mg/kg dry	0.500	0.997	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 09:27	KH
50-32-8	Benzo(a)pyrene	10.0		mg/kg dry	0.500	0.997	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 09:27	KH
205-99-2	Benzo(b)fluoranthene	7.30		mg/kg dry	0.500	0.997	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 09:27	KH
191-24-2	Benzo(g,h,i)perylene	6.29		mg/kg dry	0.500	0.997	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 09:27	KH
207-08-9	Benzo(k)fluoranthene	7.82		mg/kg dry	0.500	0.997	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 09:27	KH
65-85-0	Benzoic acid	0.112		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:15	KH
100-51-6	Benzyl alcohol	0.261		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:15	KH
85-68-7	Benzyl butyl phthalate	0.152		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:15	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:15	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:15	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:15	KH



Sample Information

Client Sample ID: 022/LSB-12B

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May 9, 2018 8:25 am

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05/09/2018

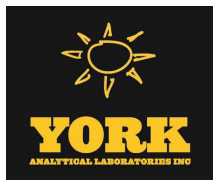
Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
117-81-7	Bis(2-ethylhexyl)phthalate	4.10		mg/kg dry	0.500	0.997	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 09:27	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0997	0.199	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:15	KH
86-74-8	Carbazole	3.80		mg/kg dry	0.500	0.997	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 09:27	KH
218-01-9	Chrysene	10.7		mg/kg dry	0.500	0.997	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 09:27	KH
53-70-3	Dibenzo(a,h)anthracene	2.27		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:15	KH
132-64-9	Dibenzofuran	2.99		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:15	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:15	KH
131-11-3	Dimethyl phthalate	0.0510	J	mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:15	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:15	KH
117-84-0	Di-n-octyl phthalate	13.8	CCV-E	mg/kg dry	0.500	0.997	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 09:27	KH
206-44-0	Fluoranthene	31.4		mg/kg dry	0.500	0.997	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 09:27	KH
86-73-7	Fluorene	3.99		mg/kg dry	0.500	0.997	20	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 09:27	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:15	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:15	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:15	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:15	KH
193-39-5	Indeno(1,2,3-cd)pyrene	5.51		mg/kg dry	0.500	0.997	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 09:27	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:15	KH
91-20-3	Naphthalene	3.95		mg/kg dry	0.500	0.997	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 09:27	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:15	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:15	KH
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	05/14/2018 13:47	05/15/2018 21:15	KH



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Date Received
05/09/2018

Semivolatiles, 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
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:15	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:15	KH
85-01-8	Phenanthrene	38.6		mg/kg dry	1.25	2.49	50	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 14:18	KH
108-95-2	Phenol	0.127		mg/kg dry	0.0500	0.0997	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:15	KH
129-00-0	Pyrene	26.9		mg/kg dry	0.500	0.997	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 09:27	KH
110-86-1	Pyridine	ND		mg/kg dry	0.200	0.399	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:15	KH
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: 2-Fluorophenol	58.1 %		20-108							
4165-62-2	Surrogate: Phenol-d5	67.1 %		23-114							
4165-60-0	Surrogate: Nitrobenzene-d5	57.1 %		22-108							
321-60-8	Surrogate: 2-Fluorobiphenyl	53.3 %		21-113							
118-79-6	Surrogate: 2,4,6-Tribromophenol	93.5 %		19-110							
1718-51-0	Surrogate: Terphenyl-d14	56.0 %		24-116							

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	0.0220		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 10:51	SA
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 10:51	SA
50-29-3	4,4'-DDT	0.00762		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 10:51	SA
309-00-2	Aldrin	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 10:51	SA
319-84-6	alpha-BHC	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 10:51	SA
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/14/2018 07:15	05/16/2018 10:51	SA
319-85-7	beta-BHC	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 10:51	SA
57-74-9	Chlordane, total	ND		mg/kg dry	0.0393	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 10:51	SA
319-86-8	delta-BHC	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 10:51	SA



Sample Information

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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
60-57-1	Dieldrin	0.00522		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 10:51	SA
959-98-8	Endosulfan I	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 10:51	SA
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	05/14/2018 07:15	05/16/2018 10:51	SA
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 10:51	SA
72-20-8	Endrin	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 10:51	SA
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 10:51	SA
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 10:51	SA
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 10:51	SA
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/14/2018 07:15	05/16/2018 10:51	SA
76-44-8	Heptachlor	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 10:51	SA
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 10:51	SA
72-43-5	Methoxychlor	ND		mg/kg dry	0.00983	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 10:51	SA
8001-35-2	Toxaphene	ND		mg/kg dry	0.0995	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 10:51	SA
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	244 %	GC-Sur		30-150					
877-09-8	Surrogate: Tetrachloro-m-xylene	30.5 %	r		30-150					

Polychlorinated Biphenyls (PCB), 8082 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0198	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/14/2018 07:15	05/14/2018 20:26	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0198	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/14/2018 07:15	05/14/2018 20:26	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0198	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/14/2018 07:15	05/14/2018 20:26	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0198	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/14/2018 07:15	05/14/2018 20:26	LAB



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Polychlorinated Biphenyls (PCB), 8082 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0198	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/14/2018 07:15	05/14/2018 20:26	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0198	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/14/2018 07:15	05/14/2018 20:26	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0198	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/14/2018 07:15	05/14/2018 20:26	LAB
1336-36-3	* Total PCBs	0.252		mg/kg dry	0.0198	1	EPA 8082A Certifications:	05/14/2018 07:15	05/14/2018 20:26	LAB
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	49.0 %								
2051-24-3	Surrogate: Decachlorobiphenyl	141 %	S-GC							

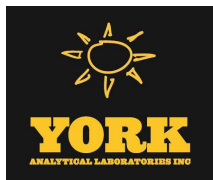
Metals, Target Analyte

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	5170		mg/kg dry	5.98	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:09	KML
7440-36-0	Antimony	1.96		mg/kg dry	0.598	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:09	KML
7440-38-2	Arsenic	2.60		mg/kg dry	1.20	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:09	KML
7440-39-3	Barium	572		mg/kg dry	1.20	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:09	KML
7440-41-7	Beryllium	0.373		mg/kg dry	0.120	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:09	KML
7440-43-9	Cadmium	1.64		mg/kg dry	0.359	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:09	KML
7440-70-2	Calcium	11200		mg/kg dry	5.98	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:09	KML
7440-47-3	Chromium	19.3		mg/kg dry	0.598	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:09	KML
7440-48-4	Cobalt	5.72		mg/kg dry	0.598	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:09	KML
7440-50-8	Copper	225		mg/kg dry	0.598	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:09	KML
7439-89-6	Iron	19400		mg/kg dry	2.39	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:09	KML
7439-92-1	Lead	734		mg/kg dry	0.598	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:09	KML
7439-95-4	Magnesium	1720		mg/kg dry	5.98	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:09	KML



Sample Information

Client Sample ID: 022/LSB-12B

York Sample ID: 18E0487-02

York Project (SDG) No.
18E0487

Client Project ID
100688801

Matrix
Soil

Collection Date/Time
May 9, 2018 8:25 am

Date Received
05/09/2018

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	Manganese	154		mg/kg dry	0.598	1	EPA 6010C	05/10/2018 08:51	05/14/2018 18:09	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	Nickel	20.6		mg/kg dry	0.598	1	EPA 6010C	05/10/2018 08:51	05/14/2018 18:09	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	Potassium	517	B	mg/kg dry	5.98	1	EPA 6010C	05/10/2018 08:51	05/14/2018 18:09	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	1.20	1	EPA 6010C	05/10/2018 08:51	05/14/2018 18:09	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.598	1	EPA 6010C	05/10/2018 08:51	05/14/2018 18:09	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	Sodium	161	B	mg/kg dry	12.0	1	EPA 6010C	05/10/2018 08:51	05/14/2018 18:09	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP		
7440-28-0	Thallium	ND		mg/kg dry	1.20	1	EPA 6010C	05/10/2018 08:51	05/14/2018 18:09	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	Vanadium	18.0		mg/kg dry	1.20	1	EPA 6010C	05/10/2018 08:51	05/14/2018 18:09	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	Zinc	451		mg/kg dry	1.79	1	EPA 6010C	05/10/2018 08:51	05/14/2018 18:09	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

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	0.689		mg/kg dry	0.0359	1	EPA 7473	05/11/2018 08:37	05/11/2018 16:17	SY
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	83.7		%	0.100	1	SM 2540G	05/15/2018 13:13	05/15/2018 16:40	AD
							Certifications:	CTDOH		

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	0.598	1	EPA 7196A	05/11/2018 09:08	05/11/2018 16:23	TJD
							Certifications:	NJDEP,CTDOH,NELAC-NY10854,PADEP		

Chromium, Trivalent

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: 022/LSB-12B

York Sample ID: 18E0487-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0487

100688801

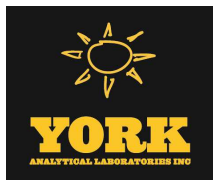
Soil

May 9, 2018 8:25 am

05/09/2018

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	19.3		mg/kg	0.500	1	Calculation	05/16/2018 14:41	05/16/2018 14:52	PAM
Certifications:										



Sample Information

Client Sample ID: 023/LSB-10A

York Sample ID: 18E0487-03

York Project (SDG) No.

Client Project ID

Matrix

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18E0487

100688801

Soil

May 9, 2018 9:35 am

05/09/2018

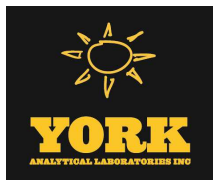
Volatiles, 8260 Comprehensive

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,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:20	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:20	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:20	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,NELAC-NY12058,NJDEP	05/14/2018 14:46	05/15/2018 02:20	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:20	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:20	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:20	SS
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:20	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:20	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/14/2018 14:46	05/15/2018 02:20	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:20	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:20	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:20	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:20	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:20	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:20	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:20	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:20	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:20	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:20	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:20	SS



Sample Information

Client Sample ID: 023/LSB-10A

York Sample ID: 18E0487-03

York Project (SDG) No.
18E0487

Client Project ID
100688801

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Collection Date/Time
May 9, 2018 9:35 am

Date Received
05/09/2018

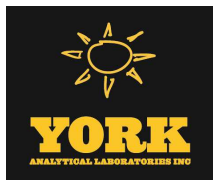
Volatiles, 8260 Comprehensive

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
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.048	0.096	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:20	SS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/14/2018 14:46	05/15/2018 02:20	SS
78-93-3	2-Butanone	0.0072		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:20	SS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:20	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:20	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:20	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:20	SS
67-64-1	Acetone	0.026	CCV-E, SCAL-E	mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:20	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:20	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:20	SS
71-43-2	Benzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:20	SS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:20	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:20	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:20	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:20	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:20	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:20	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:20	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:20	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:20	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:20	SS



Sample Information

Client Sample ID: 023/LSB-10A

York Sample ID: 18E0487-03

York Project (SDG) No.

18E0487

Client Project ID

100688801

Matrix

Soil

Collection Date/Time

May 9, 2018 9:35 am

Date Received

05/09/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-87-3	Chloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:20	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:20	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:20	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:20	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:20	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:20	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:20	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:20	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:20	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:20	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:20	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:20	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:20	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:20	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:20	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:20	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:20	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:20	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:20	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:20	SS
100-42-5	Styrene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:20	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0024	0.0096	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:20	SS



Sample Information

Client Sample ID: 023/LSB-10A

York Sample ID: 18E0487-03

York Project (SDG) No.
18E0487

Client Project ID
100688801

Matrix
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Collection Date/Time
May 9, 2018 9:35 am

Date Received
05/09/2018

Volatiles, 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
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:20	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:20	SS
108-88-3	Toluene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:20	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:20	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:20	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:20	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:20	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:20	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0072	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/14/2018 14:46	05/15/2018 02:20	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	104 %	77-125								
2037-26-5	Surrogate: Toluene-d8	106 %	85-120								
460-00-4	Surrogate: p-Bromofluorobenzene	107 %	76-130								

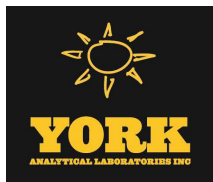
Semivolatiles, 8270 Comprehensive

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	0.0456	0.0911	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:47	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0911	0.182	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:47	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0456	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:47	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0456	0.0911	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/14/2018 13:47	05/15/2018 21:47	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0456	0.0911	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:47	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0456	0.0911	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/14/2018 13:47	05/15/2018 21:47	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0456	0.0911	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/14/2018 13:47	05/15/2018 21:47	KH



Sample Information

Client Sample ID: 023/LSB-10A

York Sample ID: 18E0487-03

York Project (SDG) No.

18E0487

Client Project ID

100688801

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Collection Date/Time

May 9, 2018 9:35 am

Date Received

05/09/2018

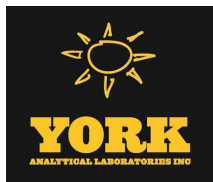
Semivolatiles, 8270 Comprehensive

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	0.0911	0.182	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:47	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0456	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:47	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0456	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:47	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0456	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:47	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0456	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:47	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0911	0.182	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:47	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0456	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:47	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0456	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:47	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0456	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:47	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0456	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:47	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0456	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:47	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0456	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:47	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0911	0.182	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:47	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0456	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:47	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0456	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:47	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0456	0.0911	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:47	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0911	0.182	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:47	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0911	0.182	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:47	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0456	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:47	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0456	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:47	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0456	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:47	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0456	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:47	KH



Sample Information

Client Sample ID: 023/LSB-10A

York Sample ID: 18E0487-03

York Project (SDG) No.

Client Project ID

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18E0487

100688801

Soil

May 9, 2018 9:35 am

05/09/2018

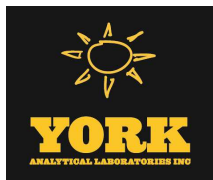
Semivolatiles, 8270 Comprehensive

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
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0911	0.182	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:47	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0911	0.182	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:47	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0456	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:47	KH
208-96-8	Acenaphthylene	0.0925		mg/kg dry	0.0456	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:47	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0456	0.0911	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:47	KH
62-53-3	Aniline	ND		mg/kg dry	0.182	0.365	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:47	KH
120-12-7	Anthracene	0.186		mg/kg dry	0.0456	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:47	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0456	0.0911	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:47	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0456	0.0911	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:47	KH
92-87-5	Benzidine	ND		mg/kg dry	0.182	0.365	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	05/14/2018 13:47	05/15/2018 21:47	KH
56-55-3	Benzo(a)anthracene	0.748		mg/kg dry	0.0456	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:47	KH
50-32-8	Benzo(a)pyrene	0.876		mg/kg dry	0.0456	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:47	KH
205-99-2	Benzo(b)fluoranthene	0.741		mg/kg dry	0.0456	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:47	KH
191-24-2	Benzo(g,h,i)perylene	0.637		mg/kg dry	0.0456	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:47	KH
207-08-9	Benzo(k)fluoranthene	0.673		mg/kg dry	0.0456	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:47	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0456	0.0911	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:47	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0456	0.0911	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:47	KH
85-68-7	Benzyl butyl phthalate	0.411		mg/kg dry	0.0456	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:47	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0456	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:47	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0456	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:47	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0456	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:47	KH
117-81-7	Bis(2-ethylhexyl)phthalate	21.6		mg/kg dry	0.571	1.14	25	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 14:50	KH



Sample Information

Client Sample ID: 023/LSB-10A

York Sample ID: 18E0487-03

York Project (SDG) No.

18E0487

Client Project ID

100688801

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May 9, 2018 9:35 am

Date Received

05/09/2018

Semivolatiles, 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
105-60-2	Caprolactam	ND		mg/kg dry	0.0911	0.182	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:47	KH
86-74-8	Carbazole	0.0524	J	mg/kg dry	0.0456	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:47	KH
218-01-9	Chrysene	0.713		mg/kg dry	0.0456	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:47	KH
53-70-3	Dibenzo(a,h)anthracene	0.157		mg/kg dry	0.0456	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:47	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0456	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:47	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0456	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:47	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0456	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:47	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0456	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:47	KH
117-84-0	Di-n-octyl phthalate	0.218	CCV-E	mg/kg dry	0.0456	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:47	KH
206-44-0	Fluoranthene	1.33		mg/kg dry	0.0456	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:47	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0456	0.0911	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:47	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0456	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:47	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0456	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:47	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0456	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:47	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0456	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:47	KH
193-39-5	Indeno(1,2,3-cd)pyrene	0.487		mg/kg dry	0.0456	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:47	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0456	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:47	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0456	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:47	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0456	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:47	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0456	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:47	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0456	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:47	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0456	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:47	KH



Sample Information

Client Sample ID: 023/LSB-10A

York Sample ID: 18E0487-03

York Project (SDG) No.
18E0487

Client Project ID
100688801

Matrix
Soil

Collection Date/Time
May 9, 2018 9:35 am

Date Received
05/09/2018

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0456	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:47	KH
85-01-8	Phenanthrene	0.583		mg/kg dry	0.0456	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:47	KH
108-95-2	Phenol	ND		mg/kg dry	0.0456	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:47	KH
129-00-0	Pyrene	1.23		mg/kg dry	0.0456	0.0911	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:47	KH
110-86-1	Pyridine	ND		mg/kg dry	0.182	0.365	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 21:47	KH
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	53.5 %	20-108								
4165-62-2	Surrogate: Phenol-d5	62.5 %	23-114								
4165-60-0	Surrogate: Nitrobenzene-d5	59.2 %	22-108								
321-60-8	Surrogate: 2-Fluorobiphenyl	58.6 %	21-113								
118-79-6	Surrogate: 2,4,6-Tribromophenol	94.3 %	19-110								
1718-51-0	Surrogate: Terphenyl-d14	59.4 %	24-116								

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 11:06	SA
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 11:06	SA
50-29-3	4,4'-DDT	0.0223		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 11:06	SA
309-00-2	Aldrin	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 11:06	SA
319-84-6	alpha-BHC	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 11:06	SA
5103-71-9	alpha-Chlordane	0.0224		mg/kg dry	0.00180	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/14/2018 07:15	05/16/2018 11:06	SA
319-85-7	beta-BHC	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 11:06	SA
57-74-9	Chlordane, total	0.0370		mg/kg dry	0.0359	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 11:06	SA
319-86-8	delta-BHC	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 11:06	SA
60-57-1	Dieldrin	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 11:06	SA



Sample Information

Client Sample ID: 023/LSB-10A

York Sample ID: 18E0487-03

York Project (SDG) No.
18E0487

Client Project ID
100688801

Matrix
Soil

Collection Date/Time
May 9, 2018 9:35 am

Date Received
05/09/2018

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
959-98-8	Endosulfan I	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 11:06	SA
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	05/14/2018 07:15	05/16/2018 11:06	SA
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 11:06	SA
72-20-8	Endrin	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 11:06	SA
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 11:06	SA
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 11:06	SA
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 11:06	SA
5566-34-7	gamma-Chlordane	0.0146		mg/kg dry	0.00180	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/14/2018 07:15	05/16/2018 11:06	SA
76-44-8	Heptachlor	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 11:06	SA
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 11:06	SA
72-43-5	Methoxychlor	ND		mg/kg dry	0.00898	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 11:06	SA
8001-35-2	Toxaphene	ND		mg/kg dry	0.0909	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 11:06	SA
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	94.2 %		30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	29.9 %	GC-SC u	30-150						

Polychlorinated Biphenyls (PCB), 8082 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/14/2018 07:15	05/14/2018 20:50	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/14/2018 07:15	05/14/2018 20:50	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/14/2018 07:15	05/14/2018 20:50	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/14/2018 07:15	05/14/2018 20:50	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/14/2018 07:15	05/14/2018 20:50	LAB



Sample Information

Client Sample ID: 023/LSB-10A

York Sample ID: 18E0487-03

York Project (SDG) No.
18E0487

Client Project ID
100688801

Matrix
Soil

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May 9, 2018 9:35 am

Date Received
05/09/2018

Polychlorinated Biphenyls (PCB), 8082 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
11097-69-1	Aroclor 1254	0.225		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/14/2018 07:15	05/14/2018 20:50	LAB
11096-82-5	Aroclor 1260	0.113		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/14/2018 07:15	05/14/2018 20:50	LAB
1336-36-3	* Total PCBs	0.338		mg/kg dry	0.0181	1	EPA 8082A Certifications:	05/14/2018 07:15	05/14/2018 20:50	LAB
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	70.8 %		30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	62.7 %		30-120						

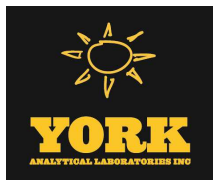
Metals, Target Analyte

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	6250		mg/kg dry	5.46	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:16	KML
7440-36-0	Antimony	1.47		mg/kg dry	0.546	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:16	KML
7440-38-2	Arsenic	3.11		mg/kg dry	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:16	KML
7440-39-3	Barium	242		mg/kg dry	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:16	KML
7440-41-7	Beryllium	0.208		mg/kg dry	0.109	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:16	KML
7440-43-9	Cadmium	1.14		mg/kg dry	0.328	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:16	KML
7440-70-2	Calcium	9910		mg/kg dry	5.46	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:16	KML
7440-47-3	Chromium	65.1		mg/kg dry	0.546	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:16	KML
7440-48-4	Cobalt	6.51		mg/kg dry	0.546	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:16	KML
7440-50-8	Copper	112		mg/kg dry	0.546	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:16	KML
7439-89-6	Iron	22000		mg/kg dry	2.18	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:16	KML
7439-92-1	Lead	469		mg/kg dry	0.546	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:16	KML
7439-95-4	Magnesium	3770		mg/kg dry	5.46	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:16	KML
7439-96-5	Manganese	191		mg/kg dry	0.546	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:16	KML



Sample Information

Client Sample ID: 023/LSB-10A

York Sample ID: 18E0487-03

York Project (SDG) No.
18E0487

Client Project ID
100688801

Matrix
Soil

Collection Date/Time
May 9, 2018 9:35 am

Date Received
05/09/2018

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	31.5		mg/kg dry	0.546	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:16	KML
7440-09-7	Potassium	591	B	mg/kg dry	5.46	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:16	KML
7782-49-2	Selenium	ND		mg/kg dry	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:16	KML
7440-22-4	Silver	ND		mg/kg dry	0.546	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:16	KML
7440-23-5	Sodium	183	B	mg/kg dry	10.9	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/10/2018 08:51	05/14/2018 18:16	KML
7440-28-0	Thallium	ND		mg/kg dry	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:16	KML
7440-62-2	Vanadium	21.3		mg/kg dry	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:16	KML
7440-66-6	Zinc	439		mg/kg dry	1.64	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:16	KML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.587		mg/kg dry	0.0328	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	05/11/2018 08:37	05/11/2018 16:28	SY

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	91.6		%	0.100	1	SM 2540G Certifications: CTDOH	05/15/2018 13:13	05/15/2018 16:40	AD

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	0.546	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	05/11/2018 09:08	05/11/2018 16:23	TJD

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

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

Client Sample ID: 023/LSB-10A

York Sample ID: 18E0487-03

York Project (SDG) No.

18E0487

Client Project ID

100688801

Matrix

Soil

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May 9, 2018 9:35 am

Date Received

05/09/2018

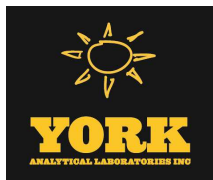
Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	65.1		mg/kg	0.500	1	Calculation Certifications:	05/16/2018 14:41	05/16/2018 14:52	PAM



Sample Information

Client Sample ID: 024/LSB-10B

York Sample ID: 18E0487-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0487

100688801

Soil

May 9, 2018 9:30 am

05/09/2018

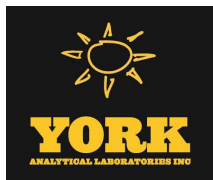
Volatiles, 8260 Comprehensive

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	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:52	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:52	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:52	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/14/2018 14:46	05/15/2018 02:52	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:52	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:52	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:52	SS
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:52	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:52	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/14/2018 14:46	05/15/2018 02:52	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:52	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:52	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:52	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:52	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:52	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:52	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:52	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:52	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:52	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:52	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:52	SS



Sample Information

Client Sample ID: 024/LSB-10B

York Sample ID: 18E0487-04

York Project (SDG) No.
18E0487

Client Project ID
100688801

Matrix
Soil

Collection Date/Time
May 9, 2018 9:30 am

Date Received
05/09/2018

Volatiles, 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
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.047	0.094	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:52	SS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/14/2018 14:46	05/15/2018 02:52	SS
78-93-3	2-Butanone	0.0056		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:52	SS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:52	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:52	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:52	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:52	SS
67-64-1	Acetone	0.044	CCV-E, SCAL-E	mg/kg dry	0.0047	0.0094	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:52	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0047	0.0094	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:52	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:52	SS
71-43-2	Benzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:52	SS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:52	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:52	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:52	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:52	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:52	SS
75-15-0	Carbon disulfide	0.0029	J	mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:52	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:52	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:52	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:52	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:52	SS



Sample Information

Client Sample ID: 024/LSB-10B

York Sample ID: 18E0487-04

York Project (SDG) No.
18E0487

Client Project ID
100688801

Matrix
Soil

Collection Date/Time
May 9, 2018 9:30 am

Date Received
05/09/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-87-3	Chloromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:52	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:52	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:52	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:52	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:52	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:52	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:52	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:52	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:52	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:52	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:52	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:52	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:52	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0047	0.0094	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:52	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:52	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:52	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:52	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0047	0.0094	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:52	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:52	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:52	SS
100-42-5	Styrene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:52	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0023	0.0094	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:52	SS



Sample Information

Client Sample ID: 024/LSB-10B

York Sample ID: 18E0487-04

York Project (SDG) No.
18E0487

Client Project ID
100688801

Matrix
Soil

Collection Date/Time
May 9, 2018 9:30 am

Date Received
05/09/2018

Volatiles, 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
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:52	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:52	SS
108-88-3	Toluene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:52	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:52	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:52	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:52	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:52	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 02:52	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0070	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/14/2018 14:46	05/15/2018 02:52	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	103 %	77-125								
2037-26-5	Surrogate: Toluene-d8	102 %	85-120								
460-00-4	Surrogate: p-Bromofluorobenzene	102 %	76-130								

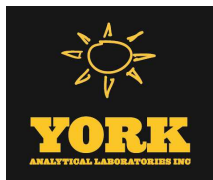
Semivolatiles, 8270 Comprehensive

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	0.0446	0.0891	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:21	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0891	0.178	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:21	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0446	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:21	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0446	0.0891	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/14/2018 13:47	05/15/2018 22:21	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0446	0.0891	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:21	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0446	0.0891	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/14/2018 13:47	05/15/2018 22:21	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0446	0.0891	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/14/2018 13:47	05/15/2018 22:21	KH



Sample Information

Client Sample ID: 024/LSB-10B

York Sample ID: 18E0487-04

York Project (SDG) No.
18E0487

Client Project ID
100688801

Matrix
Soil

Collection Date/Time
May 9, 2018 9:30 am

Date Received
05/09/2018

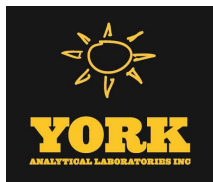
Semivolatiles, 8270 Comprehensive

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	0.0891	0.178	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:21	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0446	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:21	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0446	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:21	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0446	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:21	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0446	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:21	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0891	0.178	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:21	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0446	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:21	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0446	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:21	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0446	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:21	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0446	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:21	KH
91-57-6	2-Methylnaphthalene	0.0634	J	mg/kg dry	0.0446	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:21	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0446	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:21	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0891	0.178	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:21	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0446	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:21	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0446	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:21	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0446	0.0891	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:21	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0891	0.178	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:21	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0891	0.178	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:21	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0446	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:21	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0446	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:21	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0446	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:21	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0446	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:21	KH



Sample Information

Client Sample ID: 024/LSB-10B

York Sample ID: 18E0487-04

York Project (SDG) No.

18E0487

Client Project ID

100688801

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May 9, 2018 9:30 am

Date Received

05/09/2018

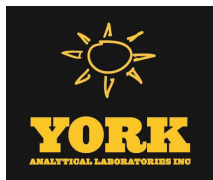
Semivolatiles, 8270 Comprehensive

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
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0891	0.178	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:21	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0891	0.178	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:21	KH
83-32-9	Acenaphthene	0.134		mg/kg dry	0.0446	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:21	KH
208-96-8	Acenaphthylene	0.0897		mg/kg dry	0.0446	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:21	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0446	0.0891	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:21	KH
62-53-3	Aniline	ND		mg/kg dry	0.178	0.357	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:21	KH
120-12-7	Anthracene	0.358		mg/kg dry	0.0446	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:21	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0446	0.0891	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:21	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0446	0.0891	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:21	KH
92-87-5	Benzidine	ND		mg/kg dry	0.178	0.357	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	05/14/2018 13:47	05/15/2018 22:21	KH
56-55-3	Benzo(a)anthracene	0.787		mg/kg dry	0.0446	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:21	KH
50-32-8	Benzo(a)pyrene	0.902		mg/kg dry	0.0446	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:21	KH
205-99-2	Benzo(b)fluoranthene	0.646		mg/kg dry	0.0446	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:21	KH
191-24-2	Benzo(g,h,i)perylene	0.631		mg/kg dry	0.0446	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:21	KH
207-08-9	Benzo(k)fluoranthene	0.650		mg/kg dry	0.0446	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:21	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0446	0.0891	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:21	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0446	0.0891	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:21	KH
85-68-7	Benzyl butyl phthalate	2.09		mg/kg dry	0.0446	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:21	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0446	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:21	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0446	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:21	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0446	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:21	KH
117-81-7	Bis(2-ethylhexyl)phthalate	0.312		mg/kg dry	0.0446	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:21	KH



Sample Information

Client Sample ID: 024/LSB-10B

York Sample ID: 18E0487-04

York Project (SDG) No.
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May 9, 2018 9:30 am

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05/09/2018

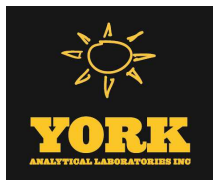
Semivolatiles, 8270 Comprehensive

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
105-60-2	Caprolactam	ND		mg/kg dry	0.0891	0.178	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:21	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0446	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:21	KH
218-01-9	Chrysene	0.856		mg/kg dry	0.0446	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:21	KH
53-70-3	Dibenzo(a,h)anthracene	0.169		mg/kg dry	0.0446	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:21	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0446	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:21	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0446	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:21	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0446	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:21	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0446	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:21	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0446	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:21	KH
206-44-0	Fluoranthene	1.52		mg/kg dry	0.0446	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:21	KH
86-73-7	Fluorene	0.187		mg/kg dry	0.0446	0.0891	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:21	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0446	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:21	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0446	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:21	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0446	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:21	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0446	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:21	KH
193-39-5	Indeno(1,2,3-cd)pyrene	0.496		mg/kg dry	0.0446	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:21	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0446	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:21	KH
91-20-3	Naphthalene	0.0527	J	mg/kg dry	0.0446	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:21	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0446	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:21	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0446	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:21	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0446	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:21	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0446	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:21	KH



Sample Information

Client Sample ID: 024/LSB-10B

York Sample ID: 18E0487-04

York Project (SDG) No.
18E0487

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100688801

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May 9, 2018 9:30 am

Date Received
05/09/2018

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0446	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:21	KH
85-01-8	Phenanthrene	1.18		mg/kg dry	0.0446	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:21	KH
108-95-2	Phenol	ND		mg/kg dry	0.0446	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:21	KH
129-00-0	Pyrene	1.72		mg/kg dry	0.0446	0.0891	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:21	KH
110-86-1	Pyridine	ND		mg/kg dry	0.178	0.357	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:21	KH
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: 2-Fluorophenol	47.0 %									
4165-62-2	Surrogate: Phenol-d5	60.7 %									
4165-60-0	Surrogate: Nitrobenzene-d5	56.2 %									
321-60-8	Surrogate: 2-Fluorobiphenyl	55.3 %									
118-79-6	Surrogate: 2,4,6-Tribromophenol	14.6 %	S-08								
1718-51-0	Surrogate: Terphenyl-d14	55.2 %									

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 11:21	SA
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 11:21	SA
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 11:21	SA
309-00-2	Aldrin	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 11:21	SA
319-84-6	alpha-BHC	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 11:21	SA
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/14/2018 07:15	05/16/2018 11:21	SA
319-85-7	beta-BHC	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 11:21	SA
57-74-9	Chlordane, total	ND		mg/kg dry	0.0354	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 11:21	SA
319-86-8	delta-BHC	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 11:21	SA
60-57-1	Dieldrin	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 11:21	SA



Sample Information

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May 9, 2018 9:30 am

Date Received
05/09/2018

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
959-98-8	Endosulfan I	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 11:21	SA
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	05/14/2018 07:15	05/16/2018 11:21	SA
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 11:21	SA
72-20-8	Endrin	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 11:21	SA
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 11:21	SA
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 11:21	SA
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 11:21	SA
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/14/2018 07:15	05/16/2018 11:21	SA
76-44-8	Heptachlor	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 11:21	SA
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 11:21	SA
72-43-5	Methoxychlor	ND		mg/kg dry	0.00884	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 11:21	SA
8001-35-2	Toxaphene	ND		mg/kg dry	0.0895	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 11:21	SA
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	118 %								
877-09-8	Surrogate: Tetrachloro-m-xylene	28.3 %	GC-SC u							

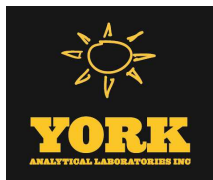
Polychlorinated Biphenyls (PCB), 8082 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/14/2018 07:15	05/14/2018 21:15	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/14/2018 07:15	05/14/2018 21:15	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/14/2018 07:15	05/14/2018 21:15	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/14/2018 07:15	05/14/2018 21:15	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/14/2018 07:15	05/14/2018 21:15	LAB



Sample Information

Client Sample ID: 024/LSB-10B

York Sample ID: 18E0487-04

York Project (SDG) No.
18E0487

Client Project ID
100688801

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May 9, 2018 9:30 am

Date Received
05/09/2018

Polychlorinated Biphenyls (PCB), 8082 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/14/2018 07:15	05/14/2018 21:15	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/14/2018 07:15	05/14/2018 21:15	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications:	05/14/2018 07:15	05/14/2018 21:15	LAB
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	67.3 %		30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	60.3 %		30-120						

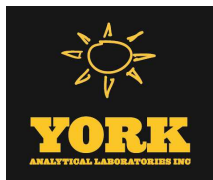
Metals, Target Analyte

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	5790		mg/kg dry	5.36	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:18	KML
7440-36-0	Antimony	ND		mg/kg dry	0.536	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:18	KML
7440-38-2	Arsenic	4.06		mg/kg dry	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:18	KML
7440-39-3	Barium	71.8		mg/kg dry	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:18	KML
7440-41-7	Beryllium	0.165		mg/kg dry	0.107	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:18	KML
7440-43-9	Cadmium	0.342		mg/kg dry	0.321	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:18	KML
7440-70-2	Calcium	68000		mg/kg dry	5.36	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:18	KML
7440-47-3	Chromium	18.8		mg/kg dry	0.536	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:18	KML
7440-48-4	Cobalt	4.25		mg/kg dry	0.536	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:18	KML
7440-50-8	Copper	34.5		mg/kg dry	0.536	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:18	KML
7439-89-6	Iron	11000		mg/kg dry	2.14	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:18	KML
7439-92-1	Lead	91.3		mg/kg dry	0.536	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:18	KML
7439-95-4	Magnesium	28800		mg/kg dry	5.36	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:18	KML
7439-96-5	Manganese	214		mg/kg dry	0.536	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:18	KML



Sample Information

Client Sample ID: 024/LSB-10B

York Sample ID: 18E0487-04

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18E0487

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May 9, 2018 9:30 am

Date Received
05/09/2018

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	14.3		mg/kg dry	0.536	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:18	KML
7440-09-7	Potassium	586	B	mg/kg dry	5.36	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:18	KML
7782-49-2	Selenium	8.44		mg/kg dry	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:18	KML
7440-22-4	Silver	ND		mg/kg dry	0.536	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:18	KML
7440-23-5	Sodium	215	B	mg/kg dry	10.7	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/10/2018 08:51	05/14/2018 18:18	KML
7440-28-0	Thallium	ND		mg/kg dry	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:18	KML
7440-62-2	Vanadium	20.8		mg/kg dry	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:18	KML
7440-66-6	Zinc	86.0		mg/kg dry	1.61	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:18	KML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.134		mg/kg dry	0.0321	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	05/11/2018 08:37	05/11/2018 16:40	SY

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	93.3		%	0.100	1	SM 2540G Certifications: CTDOH	05/15/2018 13:13	05/15/2018 16:40	AD

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	0.536	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	05/11/2018 09:08	05/11/2018 16:23	TJD

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

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

Client Sample ID: 024/LSB-10B

York Sample ID: 18E0487-04

York Project (SDG) No.

Client Project ID

Matrix

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18E0487

100688801

Soil

May 9, 2018 9:30 am

05/09/2018

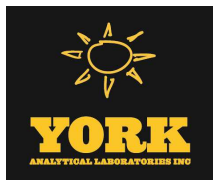
Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	18.8		mg/kg	0.500	1	Calculation Certifications:	05/16/2018 14:41	05/16/2018 14:52	PAM



Sample Information

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100688801

Soil

May 9, 2018 10:10 am

05/09/2018

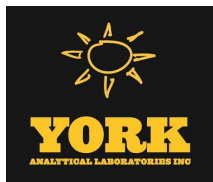
Volatiles, 8260 Comprehensive

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	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:24	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:24	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:24	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,NELAC-NY12058,NJDEP	05/14/2018 14:46	05/15/2018 03:24	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:24	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:24	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:24	SS
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:24	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:24	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/14/2018 14:46	05/15/2018 03:24	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:24	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:24	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:24	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:24	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:24	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:24	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:24	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:24	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:24	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:24	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:24	SS



Sample Information

Client Sample ID: 025/LSB-13A

York Sample ID: 18E0487-05

York Project (SDG) No.

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100688801

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May 9, 2018 10:10 am

05/09/2018

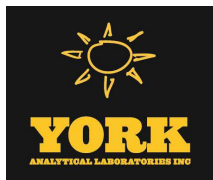
Volatiles, 8260 Comprehensive

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
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.047	0.095	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:24	SS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/14/2018 14:46	05/15/2018 03:24	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:24	SS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:24	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:24	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:24	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:24	SS
67-64-1	Acetone	ND		mg/kg dry	0.0047	0.0095	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:24	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0047	0.0095	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:24	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:24	SS
71-43-2	Benzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:24	SS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:24	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:24	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:24	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:24	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:24	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:24	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:24	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:24	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:24	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:24	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:24	SS



Sample Information

Client Sample ID: 025/LSB-13A

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Soil

May 9, 2018 10:10 am

05/09/2018

Volatiles, 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	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:24	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:24	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:24	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:24	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:24	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:24	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:24	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:24	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:24	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:24	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:24	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:24	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0047	0.0095	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:24	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:24	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:24	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:24	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0047	0.0095	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:24	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:24	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:24	SS
100-42-5	Styrene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:24	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0024	0.0095	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:24	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:24	SS



Sample Information

Client Sample ID: 025/LSB-13A

York Sample ID: 18E0487-05

York Project (SDG) No.

Client Project ID

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100688801

Soil

May 9, 2018 10:10 am

05/09/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:24	SS
108-88-3	Toluene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:24	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:24	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:24	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:24	SS
75-69-4	Trichlorofluoromethane	0.0090		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:24	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:24	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0071	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/14/2018 14:46	05/15/2018 03:24	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	103 %	77-125								
2037-26-5	Surrogate: Toluene-d8	105 %	85-120								
460-00-4	Surrogate: p-Bromofluorobenzene	107 %	76-130								

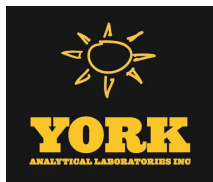
Semivolatiles, 8270 Comprehensive

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	0.0463	0.0925	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:53	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0925	0.185	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:53	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:53	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/14/2018 13:47	05/15/2018 22:53	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:53	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/14/2018 13:47	05/15/2018 22:53	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/14/2018 13:47	05/15/2018 22:53	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0925	0.185	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:53	KH



Sample Information

Client Sample ID: 025/LSB-13A

York Sample ID: 18E0487-05

York Project (SDG) No.

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05/09/2018

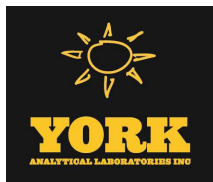
Semivolatiles, 8270 Comprehensive

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	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:53	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:53	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:53	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:53	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0925	0.185	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:53	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:53	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:53	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:53	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:53	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:53	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:53	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0925	0.185	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:53	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:53	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:53	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:53	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0925	0.185	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:53	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0925	0.185	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:53	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:53	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:53	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:53	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:53	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0925	0.185	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:53	KH



Sample Information

Client Sample ID: 025/LSB-13A

York Sample ID: 18E0487-05

York Project (SDG) No.

18E0487

Client Project ID

100688801

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Collection Date/Time

May 9, 2018 10:10 am

Date Received

05/09/2018

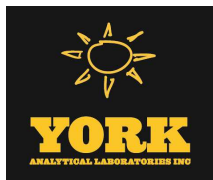
Semivolatiles, 8270 Comprehensive

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	0.0925	0.185	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:53	KH
83-32-9	Acenaphthene	0.0628	J	mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:53	KH
208-96-8	Acenaphthylene	0.107		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:53	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:53	KH
62-53-3	Aniline	ND		mg/kg dry	0.185	0.370	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:53	KH
120-12-7	Anthracene	0.256		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:53	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:53	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:53	KH
92-87-5	Benzidine	ND		mg/kg dry	0.185	0.370	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	05/14/2018 13:47	05/15/2018 22:53	KH
56-55-3	Benzo(a)anthracene	0.844		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:53	KH
50-32-8	Benzo(a)pyrene	0.937		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:53	KH
205-99-2	Benzo(b)fluoranthene	0.794		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:53	KH
191-24-2	Benzo(g,h,i)perylene	0.698		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:53	KH
207-08-9	Benzo(k)fluoranthene	0.736		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:53	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:53	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:53	KH
85-68-7	Benzyl butyl phthalate	0.452		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:53	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:53	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:53	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:53	KH
117-81-7	Bis(2-ethylhexyl)phthalate	0.466		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:53	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0925	0.185	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:53	KH



Sample Information

Client Sample ID: 025/LSB-13A

York Sample ID: 18E0487-05

York Project (SDG) No.
18E0487

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May 9, 2018 10:10 am

Date Received
05/09/2018

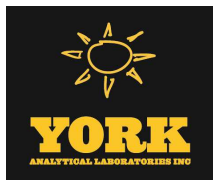
Semivolatiles, 8270 Comprehensive

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
86-74-8	Carbazole	0.0983		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:53	KH
218-01-9	Chrysene	0.802		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:53	KH
53-70-3	Dibenzo(a,h)anthracene	0.248		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:53	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:53	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:53	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:53	KH
84-74-2	Di-n-butyl phthalate	0.0643	J	mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:53	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:53	KH
206-44-0	Fluoranthene	1.52		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:53	KH
86-73-7	Fluorene	0.0791	J	mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:53	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:53	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:53	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:53	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:53	KH
193-39-5	Indeno(1,2,3-cd)pyrene	0.521		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:53	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:53	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:53	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:53	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:53	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:53	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:53	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:53	KH



Sample Information

Client Sample ID: 025/LSB-13A

York Sample ID: 18E0487-05

York Project (SDG) No.
18E0487

Client Project ID
100688801

Matrix
Soil

Collection Date/Time
May 9, 2018 10:10 am

Date Received
05/09/2018

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-01-8	Phenanthrene	0.928		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:53	KH
108-95-2	Phenol	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:53	KH
129-00-0	Pyrene	1.47		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:53	KH
110-86-1	Pyridine	ND		mg/kg dry	0.185	0.370	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 22:53	KH
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: 2-Fluorophenol	50.2 %									
4165-62-2	Surrogate: Phenol-d5	60.5 %									
4165-60-0	Surrogate: Nitrobenzene-d5	48.8 %									
321-60-8	Surrogate: 2-Fluorobiphenyl	55.7 %									
118-79-6	Surrogate: 2,4,6-Tribromophenol	94.3 %									
1718-51-0	Surrogate: Terphenyl-d14	56.7 %									

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 11:36	SA
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 11:36	SA
50-29-3	4,4'-DDT	0.0247		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 11:36	SA
309-00-2	Aldrin	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 11:36	SA
319-84-6	alpha-BHC	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 11:36	SA
5103-71-9	alpha-Chlordane	0.0173		mg/kg dry	0.00182	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/14/2018 07:15	05/16/2018 11:36	SA
319-85-7	beta-BHC	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 11:36	SA
57-74-9	Chlordane, total	ND		mg/kg dry	0.0365	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 11:36	SA
319-86-8	delta-BHC	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 11:36	SA
60-57-1	Dieldrin	0.0111		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 11:36	SA
959-98-8	Endosulfan I	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 11:36	SA



Sample Information

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May 9, 2018 10:10 am

Date Received
05/09/2018

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	05/14/2018 07:15	05/16/2018 11:36	SA
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 11:36	SA
72-20-8	Endrin	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 11:36	SA
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 11:36	SA
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 11:36	SA
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 11:36	SA
5566-34-7	gamma-Chlordane	0.0113		mg/kg dry	0.00182	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/14/2018 07:15	05/16/2018 11:36	SA
76-44-8	Heptachlor	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 11:36	SA
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 11:36	SA
72-43-5	Methoxychlor	ND		mg/kg dry	0.00912	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 11:36	SA
8001-35-2	Toxaphene	ND		mg/kg dry	0.0923	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 11:36	SA
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	85.8 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	33.5 %	30-150							

Polychlorinated Biphenyls (PCB), 8082 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/14/2018 07:15	05/14/2018 21:39	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/14/2018 07:15	05/14/2018 21:39	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/14/2018 07:15	05/14/2018 21:39	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/14/2018 07:15	05/14/2018 21:39	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/14/2018 07:15	05/14/2018 21:39	LAB
11097-69-1	Aroclor 1254	0.190		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/14/2018 07:15	05/14/2018 21:39	LAB



Sample Information

Client Sample ID: 025/LSB-13A

York Sample ID: 18E0487-05

York Project (SDG) No.
18E0487

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May 9, 2018 10:10 am

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Polychlorinated Biphenyls (PCB), 8082 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
11096-82-5	Aroclor 1260	0.104		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/14/2018 07:15	05/14/2018 21:39	LAB
1336-36-3	* Total PCBs	0.294		mg/kg dry	0.0184	1	EPA 8082A Certifications:	05/14/2018 07:15	05/14/2018 21:39	LAB
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	61.9 %		30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	55.5 %		30-120						

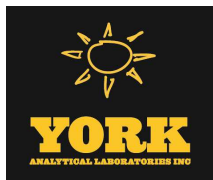
Metals, Target Analyte

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	6690		mg/kg dry	5.54	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:20	KML
7440-36-0	Antimony	0.733		mg/kg dry	0.554	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:20	KML
7440-38-2	Arsenic	3.61		mg/kg dry	1.11	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:20	KML
7440-39-3	Barium	178		mg/kg dry	1.11	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:20	KML
7440-41-7	Beryllium	0.255		mg/kg dry	0.111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:20	KML
7440-43-9	Cadmium	0.845		mg/kg dry	0.333	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:20	KML
7440-70-2	Calcium	18800		mg/kg dry	5.54	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:20	KML
7440-47-3	Chromium	20.6		mg/kg dry	0.554	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:20	KML
7440-48-4	Cobalt	6.79		mg/kg dry	0.554	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:20	KML
7440-50-8	Copper	102		mg/kg dry	0.554	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:20	KML
7439-89-6	Iron	19700		mg/kg dry	2.22	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:20	KML
7439-92-1	Lead	270		mg/kg dry	0.554	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:20	KML
7439-95-4	Magnesium	5130		mg/kg dry	5.54	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:20	KML
7439-96-5	Manganese	265		mg/kg dry	0.554	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:20	KML
7440-02-0	Nickel	23.2		mg/kg dry	0.554	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:20	KML



Sample Information

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York Project (SDG) No.
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May 9, 2018 10:10 am

Date Received
05/09/2018

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
7440-09-7	Potassium	753	B	mg/kg dry	5.54	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:20	KML
7782-49-2	Selenium	ND		mg/kg dry	1.11	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:20	KML
7440-22-4	Silver	ND		mg/kg dry	0.554	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:20	KML
7440-23-5	Sodium	183	B	mg/kg dry	11.1	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/10/2018 08:51	05/14/2018 18:20	KML
7440-28-0	Thallium	ND		mg/kg dry	1.11	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:20	KML
7440-62-2	Vanadium	25.2		mg/kg dry	1.11	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:20	KML
7440-66-6	Zinc	333		mg/kg dry	1.66	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:20	KML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.667		mg/kg dry	0.0333	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	05/11/2018 08:37	05/11/2018 16:49	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	90.2		%	0.100	1	SM 2540G Certifications: CTDOH	05/15/2018 13:13	05/15/2018 16:40	AD

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	0.554	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	05/11/2018 09:08	05/11/2018 16:23	TJD

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	20.6		mg/kg	0.500	1	Calculation Certifications:	05/16/2018 14:41	05/16/2018 14:52	PAM



Sample Information

Client Sample ID: 025/LSB-13A

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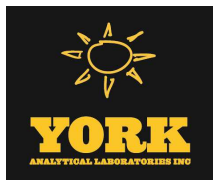
18E0487

100688801

Soil

May 9, 2018 10:10 am

05/09/2018



Sample Information

Client Sample ID: 026/LSB-13B

York Sample ID: 18E0487-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0487

100688801

Soil

May 9, 2018 10:50 am

05/09/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:56	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:56	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:56	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/14/2018 14:46	05/15/2018 03:56	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:56	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:56	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:56	SS
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:56	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:56	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/14/2018 14:46	05/15/2018 03:56	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:56	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:56	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:56	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:56	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:56	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:56	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:56	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:56	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:56	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:56	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:56	SS



Sample Information

Client Sample ID: 026/LSB-13B

York Sample ID: 18E0487-06

York Project (SDG) No.
18E0487

Client Project ID
100688801

Matrix
Soil

Collection Date/Time
May 9, 2018 10:50 am

Date Received
05/09/2018

Volatiles, 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
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.054	0.11	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:56	SS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/14/2018 14:46	05/15/2018 03:56	SS
78-93-3	2-Butanone	0.010		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:56	SS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:56	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:56	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:56	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:56	SS
67-64-1	Acetone	0.042	CCV-E, SCAL- E	mg/kg dry	0.0054	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:56	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0054	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:56	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:56	SS
71-43-2	Benzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:56	SS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:56	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:56	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:56	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:56	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:56	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:56	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:56	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:56	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:56	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:56	SS



Sample Information

Client Sample ID: 026/LSB-13B

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May 9, 2018 10:50 am

Date Received
05/09/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-87-3	Chloromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:56	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:56	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:56	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:56	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:56	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:56	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:56	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:56	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:56	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:56	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:56	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:56	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:56	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0054	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:56	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:56	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:56	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:56	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0054	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:56	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:56	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:56	SS
100-42-5	Styrene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:56	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0027	0.011	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:56	SS



Sample Information

Client Sample ID: 026/LSB-13B

York Sample ID: 18E0487-06

York Project (SDG) No.
18E0487

Client Project ID
100688801

Matrix
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Collection Date/Time
May 9, 2018 10:50 am

Date Received
05/09/2018

Volatiles, 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
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:56	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:56	SS
108-88-3	Toluene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:56	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:56	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:56	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:56	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:56	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 03:56	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0081	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/14/2018 14:46	05/15/2018 03:56	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	101 %	77-125								
2037-26-5	Surrogate: Toluene-d8	105 %	85-120								
460-00-4	Surrogate: p-Bromofluorobenzene	105 %	76-130								

Semivolatiles, 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	0.0511	0.102	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:25	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.102	0.204	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:25	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:25	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/14/2018 13:47	05/15/2018 23:25	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:25	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/14/2018 13:47	05/15/2018 23:25	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/14/2018 13:47	05/15/2018 23:25	KH



Sample Information

Client Sample ID: 026/LSB-13B

York Sample ID: 18E0487-06

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100688801

Soil

May 9, 2018 10:50 am

05/09/2018

Semivolatiles, 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	0.102	0.204	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:25	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:25	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:25	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:25	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:25	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.102	0.204	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:25	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:25	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:25	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:25	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:25	KH
91-57-6	2-Methylnaphthalene	0.294		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:25	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:25	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.102	0.204	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:25	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:25	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:25	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:25	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.102	0.204	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:25	KH
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	05/14/2018 13:47	05/15/2018 23:25	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:25	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:25	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:25	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:25	KH



Sample Information

Client Sample ID: 026/LSB-13B

York Sample ID: 18E0487-06

York Project (SDG) No.

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100688801

Soil

May 9, 2018 10:50 am

05/09/2018

Semivolatiles, 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
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.102	0.204	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:25	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.102	0.204	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:25	KH
83-32-9	Acenaphthene	0.508		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:25	KH
208-96-8	Acenaphthylene	0.256		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:25	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:25	KH
62-53-3	Aniline	ND		mg/kg dry	0.204	0.408	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:25	KH
120-12-7	Anthracene	1.17		mg/kg dry	0.128	0.255	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 10:31	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:25	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:25	KH
92-87-5	Benzidine	ND		mg/kg dry	0.204	0.408	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	05/14/2018 13:47	05/15/2018 23:25	KH
56-55-3	Benzo(a)anthracene	1.77		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:25	KH
50-32-8	Benzo(a)pyrene	1.89		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:25	KH
205-99-2	Benzo(b)fluoranthene	1.23		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:25	KH
191-24-2	Benzo(g,h,i)perylene	1.13		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:25	KH
207-08-9	Benzo(k)fluoranthene	1.28		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:25	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:25	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:25	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:25	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:25	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:25	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:25	KH
117-81-7	Bis(2-ethylhexyl)phthalate	0.0570	J	mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:25	KH



Sample Information

Client Sample ID: 026/LSB-13B

York Sample ID: 18E0487-06

York Project (SDG) No.

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100688801

Soil

May 9, 2018 10:50 am

05/09/2018

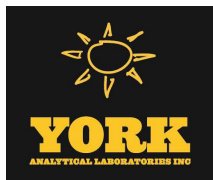
Semivolatiles, 8270 Comprehensive

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
105-60-2	Caprolactam	ND		mg/kg dry	0.102	0.204	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:25	KH
86-74-8	Carbazole	0.107		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:25	KH
218-01-9	Chrysene	1.82		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:25	KH
53-70-3	Dibenzo(a,h)anthracene	0.371		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:25	KH
132-64-9	Dibenzofuran	0.134		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:25	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:25	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:25	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:25	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:25	KH
206-44-0	Fluoranthene	3.87		mg/kg dry	0.128	0.255	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 10:31	KH
86-73-7	Fluorene	0.836		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:25	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:25	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:25	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:25	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:25	KH
193-39-5	Indeno(1,2,3-cd)pyrene	0.934		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:25	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:25	KH
91-20-3	Naphthalene	0.202		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:25	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:25	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:25	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:25	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:25	KH



Sample Information

Client Sample ID: 026/LSB-13B

York Sample ID: 18E0487-06

York Project (SDG) No.
18E0487

Client Project ID
100688801

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Soil

Collection Date/Time
May 9, 2018 10:50 am

Date Received
05/09/2018

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:25	KH
85-01-8	Phenanthrene	4.80		mg/kg dry	0.128	0.255	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 10:31	KH
108-95-2	Phenol	ND		mg/kg dry	0.0511	0.102	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:25	KH
129-00-0	Pyrene	4.53		mg/kg dry	0.128	0.255	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 10:31	KH
110-86-1	Pyridine	ND		mg/kg dry	0.204	0.408	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:25	KH
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	70.3 %	20-108								
4165-62-2	Surrogate: Phenol-d5	74.0 %	23-114								
4165-60-0	Surrogate: Nitrobenzene-d5	70.1 %	22-108								
321-60-8	Surrogate: 2-Fluorobiphenyl	68.3 %	21-113								
118-79-6	Surrogate: 2,4,6-Tribromophenol	107 %	19-110								
1718-51-0	Surrogate: Terphenyl-d14	62.8 %	24-116								

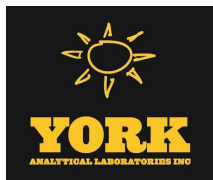
Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00202	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 11:51	SA
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00202	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 11:51	SA
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00202	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 11:51	SA
309-00-2	Aldrin	ND		mg/kg dry	0.00202	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 11:51	SA
319-84-6	alpha-BHC	ND		mg/kg dry	0.00202	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 11:51	SA
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00202	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/14/2018 07:15	05/16/2018 11:51	SA
319-85-7	beta-BHC	ND		mg/kg dry	0.00202	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 11:51	SA
57-74-9	Chlordane, total	ND		mg/kg dry	0.0405	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 11:51	SA
319-86-8	delta-BHC	ND		mg/kg dry	0.00202	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 11:51	SA
60-57-1	Dieldrin	ND		mg/kg dry	0.00202	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 11:51	SA



Sample Information

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York Sample ID: 18E0487-06

York Project (SDG) No.
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May 9, 2018 10:50 am

Date Received
05/09/2018

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
959-98-8	Endosulfan I	ND		mg/kg dry	0.00202	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 11:51	SA
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00202	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	05/14/2018 07:15	05/16/2018 11:51	SA
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00202	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 11:51	SA
72-20-8	Endrin	ND		mg/kg dry	0.00202	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 11:51	SA
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00202	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 11:51	SA
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00202	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 11:51	SA
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00202	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 11:51	SA
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00202	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/14/2018 07:15	05/16/2018 11:51	SA
76-44-8	Heptachlor	ND		mg/kg dry	0.00202	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 11:51	SA
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00202	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 11:51	SA
72-43-5	Methoxychlor	ND		mg/kg dry	0.0101	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 11:51	SA
8001-35-2	Toxaphene	ND		mg/kg dry	0.102	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 11:51	SA
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	35.5 %								
877-09-8	Surrogate: Tetrachloro-m-xylene	20.4 %	GC-SC u							

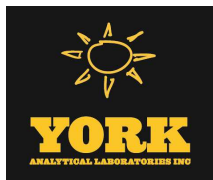
Polychlorinated Biphenyls (PCB), 8082 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0204	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/14/2018 07:15	05/14/2018 22:03	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0204	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/14/2018 07:15	05/14/2018 22:03	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0204	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/14/2018 07:15	05/14/2018 22:03	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0204	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/14/2018 07:15	05/14/2018 22:03	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0204	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/14/2018 07:15	05/14/2018 22:03	LAB



Sample Information

Client Sample ID: 026/LSB-13B

York Sample ID: 18E0487-06

York Project (SDG) No.
18E0487

Client Project ID
100688801

Matrix
Soil

Collection Date/Time
May 9, 2018 10:50 am

Date Received
05/09/2018

Polychlorinated Biphenyls (PCB), 8082 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0204	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/14/2018 07:15	05/14/2018 22:03	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0204	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/14/2018 07:15	05/14/2018 22:03	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0204	1	EPA 8082A Certifications:	05/14/2018 07:15	05/14/2018 22:03	LAB
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	43.1 %								
2051-24-3	Surrogate: Decachlorobiphenyl	26.3 %	S-GC							

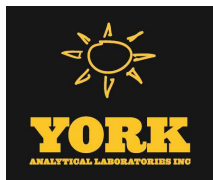
Metals, Target Analyte

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	6900		mg/kg dry	6.13	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:22	KML
7440-36-0	Antimony	ND		mg/kg dry	0.613	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:22	KML
7440-38-2	Arsenic	5.60		mg/kg dry	1.23	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:22	KML
7440-39-3	Barium	326		mg/kg dry	1.23	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:22	KML
7440-41-7	Beryllium	0.256		mg/kg dry	0.123	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:22	KML
7440-43-9	Cadmium	1.15		mg/kg dry	0.368	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:22	KML
7440-70-2	Calcium	14000		mg/kg dry	6.13	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:22	KML
7440-47-3	Chromium	21.5		mg/kg dry	0.613	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:22	KML
7440-48-4	Cobalt	8.17		mg/kg dry	0.613	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:22	KML
7440-50-8	Copper	69.7		mg/kg dry	0.613	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:22	KML
7439-89-6	Iron	68300		mg/kg dry	2.45	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:22	KML
7439-92-1	Lead	542		mg/kg dry	0.613	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:22	KML
7439-95-4	Magnesium	2250		mg/kg dry	6.13	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:22	KML
7439-96-5	Manganese	467		mg/kg dry	0.613	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:22	KML



Sample Information

Client Sample ID: 026/LSB-13B

York Sample ID: 18E0487-06

York Project (SDG) No.
18E0487

Client Project ID
100688801

Matrix
Soil

Collection Date/Time
May 9, 2018 10:50 am

Date Received
05/09/2018

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	22.6		mg/kg dry	0.613	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:22	KML
7440-09-7	Potassium	663	B	mg/kg dry	6.13	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:22	KML
7782-49-2	Selenium	ND		mg/kg dry	1.23	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:22	KML
7440-22-4	Silver	ND		mg/kg dry	0.613	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:22	KML
7440-23-5	Sodium	389	B	mg/kg dry	12.3	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/10/2018 08:51	05/14/2018 18:22	KML
7440-28-0	Thallium	ND		mg/kg dry	1.23	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:22	KML
7440-62-2	Vanadium	19.3		mg/kg dry	1.23	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:22	KML
7440-66-6	Zinc	437		mg/kg dry	1.84	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:22	KML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.664		mg/kg dry	0.0368	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	05/11/2018 08:37	05/11/2018 17:01	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	81.5		%	0.100	1	SM 2540G Certifications: CTDOH	05/15/2018 13:13	05/15/2018 16:40	AD

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	0.613	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	05/11/2018 09:08	05/11/2018 16:23	TJD

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

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

Client Sample ID: 026/LSB-13B

York Sample ID: 18E0487-06

York Project (SDG) No.

18E0487

Client Project ID

100688801

Matrix

Soil

Collection Date/Time

May 9, 2018 10:50 am

Date Received

05/09/2018

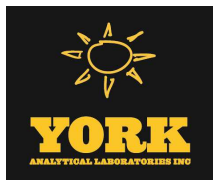
Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	21.5		mg/kg	0.500	1	Calculation Certifications:	05/16/2018 14:41	05/16/2018 14:52	PAM



Sample Information

Client Sample ID: 027/LSB-8A

York Sample ID: 18E0487-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0487

100688801

Soil

May 9, 2018 12:55 pm

05/09/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:27	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:27	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:27	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/14/2018 14:46	05/15/2018 04:27	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:27	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:27	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:27	SS
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:27	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:27	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/14/2018 14:46	05/15/2018 04:27	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:27	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:27	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:27	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:27	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:27	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:27	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:27	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:27	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:27	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:27	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:27	SS



Sample Information

Client Sample ID: 027/LSB-8A

York Sample ID: 18E0487-07

York Project (SDG) No.
18E0487

Client Project ID
100688801

Matrix
Soil

Collection Date/Time
May 9, 2018 12:55 pm

Date Received
05/09/2018

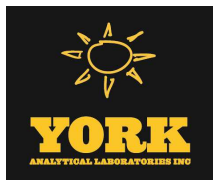
Volatiles, 8260 Comprehensive

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
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.044	0.088	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:27	SS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/14/2018 14:46	05/15/2018 04:27	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:27	SS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:27	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:27	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:27	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:27	SS
67-64-1	Acetone	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:27	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:27	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:27	SS
71-43-2	Benzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:27	SS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:27	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:27	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:27	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:27	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:27	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:27	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:27	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:27	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:27	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:27	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:27	SS



Sample Information

Client Sample ID: 027/LSB-8A

York Sample ID: 18E0487-07

York Project (SDG) No.
18E0487

Client Project ID
100688801

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Collection Date/Time
May 9, 2018 12:55 pm

Date Received
05/09/2018

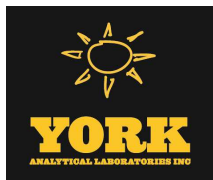
Volatiles, 8260 Comprehensive

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	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:27	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:27	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:27	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:27	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:27	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:27	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:27	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:27	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:27	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:27	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:27	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:27	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:27	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:27	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:27	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:27	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:27	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:27	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:27	SS
100-42-5	Styrene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:27	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0022	0.0088	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:27	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:27	SS



Sample Information

Client Sample ID: 027/LSB-8A

York Sample ID: 18E0487-07

York Project (SDG) No.

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Client Project ID

100688801

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May 9, 2018 12:55 pm

Date Received

05/09/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:27	SS
108-88-3	Toluene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:27	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:27	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:27	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:27	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:27	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:27	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0066	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/14/2018 14:46	05/15/2018 04:27	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	102 %	77-125								
2037-26-5	Surrogate: Toluene-d8	104 %	85-120								
460-00-4	Surrogate: p-Bromofluorobenzene	104 %	76-130								

Semivolatiles, 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	0.0445	0.0887	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:58	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0887	0.177	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:58	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:58	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/14/2018 13:47	05/15/2018 23:58	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:58	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/14/2018 13:47	05/15/2018 23:58	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/14/2018 13:47	05/15/2018 23:58	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0887	0.177	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:58	KH



Sample Information

Client Sample ID: 027/LSB-8A

York Sample ID: 18E0487-07

York Project (SDG) No.

Client Project ID

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18E0487

100688801

Soil

May 9, 2018 12:55 pm

05/09/2018

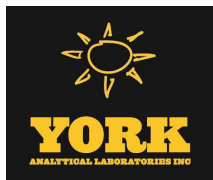
Semivolatiles, 8270 Comprehensive

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	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:58	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:58	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:58	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:58	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0887	0.177	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:58	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:58	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:58	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:58	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:58	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:58	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:58	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0887	0.177	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:58	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:58	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:58	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:58	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0887	0.177	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:58	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0887	0.177	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:58	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:58	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:58	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:58	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:58	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0887	0.177	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:58	KH



Sample Information

Client Sample ID: 027/LSB-8A

York Sample ID: 18E0487-07

York Project (SDG) No.
18E0487

Client Project ID
100688801

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May 9, 2018 12:55 pm

Date Received
05/09/2018

Semivolatiles, 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	0.0887	0.177	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:58	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:58	KH
208-96-8	Acenaphthylene	0.0468	J	mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:58	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:58	KH
62-53-3	Aniline	ND		mg/kg dry	0.178	0.355	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:58	KH
120-12-7	Anthracene	0.0532	J	mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:58	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:58	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:58	KH
92-87-5	Benzidine	ND		mg/kg dry	0.178	0.355	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	05/14/2018 13:47	05/15/2018 23:58	KH
56-55-3	Benzo(a)anthracene	0.199		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:58	KH
50-32-8	Benzo(a)pyrene	0.255		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:58	KH
205-99-2	Benzo(b)fluoranthene	0.179		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:58	KH
191-24-2	Benzo(g,h,i)perylene	0.215		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:58	KH
207-08-9	Benzo(k)fluoranthene	0.167		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:58	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:58	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:58	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:58	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:58	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:58	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:58	KH
117-81-7	Bis(2-ethylhexyl)phthalate	0.0518	J	mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:58	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0887	0.177	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:58	KH



Sample Information

Client Sample ID: 027/LSB-8A

York Sample ID: 18E0487-07

York Project (SDG) No.
18E0487

Client Project ID
100688801

Matrix
Soil

Collection Date/Time
May 9, 2018 12:55 pm

Date Received
05/09/2018

Semivolatiles, 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
86-74-8	Carbazole	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:58	KH
218-01-9	Chrysene	0.202		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:58	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:58	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:58	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:58	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:58	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:58	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:58	KH
206-44-0	Fluoranthene	0.270		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:58	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:58	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:58	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:58	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:58	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:58	KH
193-39-5	Indeno(1,2,3-cd)pyrene	0.144		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:58	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:58	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:58	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:58	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:58	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:58	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:58	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:58	KH



Sample Information

Client Sample ID: 027/LSB-8A

York Sample ID: 18E0487-07

York Project (SDG) No.
18E0487

Client Project ID
100688801

Matrix
Soil

Collection Date/Time
May 9, 2018 12:55 pm

Date Received
05/09/2018

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-01-8	Phenanthrene	0.130		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:58	KH
108-95-2	Phenol	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:58	KH
129-00-0	Pyrene	0.379		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:58	KH
110-86-1	Pyridine	ND		mg/kg dry	0.178	0.355	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/15/2018 23:58	KH
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	58.0 %	20-108								
4165-62-2	Surrogate: Phenol-d5	64.7 %	23-114								
4165-60-0	Surrogate: Nitrobenzene-d5	53.8 %	22-108								
321-60-8	Surrogate: 2-Fluorobiphenyl	58.7 %	21-113								
118-79-6	Surrogate: 2,4,6-Tribromophenol	87.7 %	19-110								
1718-51-0	Surrogate: Terphenyl-d14	57.5 %	24-116								

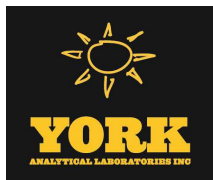
Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 12:06	SA
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 12:06	SA
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 12:06	SA
309-00-2	Aldrin	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 12:06	SA
319-84-6	alpha-BHC	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 12:06	SA
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/14/2018 07:15	05/16/2018 12:06	SA
319-85-7	beta-BHC	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 12:06	SA
57-74-9	Chlordane, total	ND		mg/kg dry	0.0351	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 12:06	SA
319-86-8	delta-BHC	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 12:06	SA
60-57-1	Dieldrin	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 12:06	SA
959-98-8	Endosulfan I	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 12:06	SA



Sample Information

Client Sample ID: 027/LSB-8A

York Sample ID: 18E0487-07

York Project (SDG) No.
18E0487

Client Project ID
100688801

Matrix
Soil

Collection Date/Time
May 9, 2018 12:55 pm

Date Received
05/09/2018

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	05/14/2018 07:15	05/16/2018 12:06	SA
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 12:06	SA
72-20-8	Endrin	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 12:06	SA
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 12:06	SA
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 12:06	SA
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 12:06	SA
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/14/2018 07:15	05/16/2018 12:06	SA
76-44-8	Heptachlor	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 12:06	SA
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 12:06	SA
72-43-5	Methoxychlor	ND		mg/kg dry	0.00877	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 12:06	SA
8001-35-2	Toxaphene	ND		mg/kg dry	0.0888	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 12:06	SA
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	86.1 %					30-150			
877-09-8	Surrogate: Tetrachloro-m-xylene	25.6 %	GC-SC				30-150			

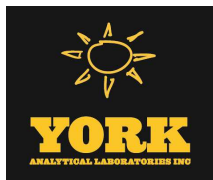
Polychlorinated Biphenyls (PCB), 8082 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/14/2018 07:15	05/14/2018 22:27	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/14/2018 07:15	05/14/2018 22:27	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/14/2018 07:15	05/14/2018 22:27	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/14/2018 07:15	05/14/2018 22:27	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/14/2018 07:15	05/14/2018 22:27	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/14/2018 07:15	05/14/2018 22:27	LAB



Sample Information

Client Sample ID: 027/LSB-8A

York Sample ID: 18E0487-07

York Project (SDG) No.
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May 9, 2018 12:55 pm

Date Received
05/09/2018

Polychlorinated Biphenyls (PCB), 8082 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/14/2018 07:15	05/14/2018 22:27	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications:	05/14/2018 07:15	05/14/2018 22:27	LAB
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	70.8 %		30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	52.2 %		30-120						

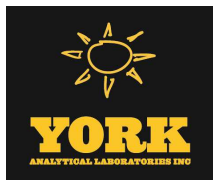
Metals, Target Analyte

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	4580		mg/kg dry	5.32	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:24	KML
7440-36-0	Antimony	ND		mg/kg dry	0.532	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:24	KML
7440-38-2	Arsenic	1.40		mg/kg dry	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:24	KML
7440-39-3	Barium	34.9		mg/kg dry	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:24	KML
7440-41-7	Beryllium	0.173		mg/kg dry	0.106	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:24	KML
7440-43-9	Cadmium	ND		mg/kg dry	0.319	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:24	KML
7440-70-2	Calcium	12700		mg/kg dry	5.32	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:24	KML
7440-47-3	Chromium	11.6		mg/kg dry	0.532	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:24	KML
7440-48-4	Cobalt	4.08		mg/kg dry	0.532	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:24	KML
7440-50-8	Copper	14.3		mg/kg dry	0.532	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:24	KML
7439-89-6	Iron	12900		mg/kg dry	2.13	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:24	KML
7439-92-1	Lead	26.2		mg/kg dry	0.532	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:24	KML
7439-95-4	Magnesium	6150		mg/kg dry	5.32	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:24	KML
7439-96-5	Manganese	210		mg/kg dry	0.532	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:24	KML
7440-02-0	Nickel	11.1		mg/kg dry	0.532	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:24	KML



Sample Information

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May 9, 2018 12:55 pm

Date Received
05/09/2018

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
7440-09-7	Potassium	449	B	mg/kg dry	5.32	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:24	KML
7782-49-2	Selenium	ND		mg/kg dry	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:24	KML
7440-22-4	Silver	ND		mg/kg dry	0.532	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:24	KML
7440-23-5	Sodium	101	B	mg/kg dry	10.6	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/10/2018 08:51	05/14/2018 18:24	KML
7440-28-0	Thallium	ND		mg/kg dry	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:24	KML
7440-62-2	Vanadium	18.5		mg/kg dry	1.06	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:24	KML
7440-66-6	Zinc	33.4		mg/kg dry	1.60	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:24	KML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.0765		mg/kg dry	0.0319	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	05/11/2018 08:37	05/11/2018 17:13	SY

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	94.0		%	0.100	1	SM 2540G Certifications: CTDOH	05/15/2018 13:13	05/15/2018 16:40	AD

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	0.532	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	05/11/2018 09:08	05/11/2018 16:23	TJD

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	11.6		mg/kg	0.500	1	Calculation Certifications:	05/16/2018 14:41	05/16/2018 14:52	PAM



Sample Information

Client Sample ID: 027/LSB-8A

York Sample ID: 18E0487-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

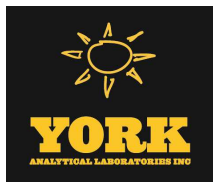
18E0487

100688801

Soil

May 9, 2018 12:55 pm

05/09/2018



Sample Information

Client Sample ID: 028/LSB-8B

York Sample ID: 18E0487-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0487

100688801

Soil

May 9, 2018 12:50 pm

05/09/2018

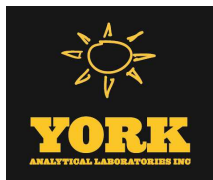
Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:59	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:59	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:59	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,NELAC-NY12058,NJDEP	05/14/2018 14:46	05/15/2018 04:59	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:59	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:59	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:59	SS
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:59	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:59	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/14/2018 14:46	05/15/2018 04:59	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:59	SS
95-63-6	1,2,4-Trimethylbenzene	0.014		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:59	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:59	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:59	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:59	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:59	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:59	SS
108-67-8	1,3,5-Trimethylbenzene	0.0025	J	mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:59	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:59	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:59	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:59	SS



Sample Information

Client Sample ID: 028/LSB-8B

York Sample ID: 18E0487-08

York Project (SDG) No.
18E0487

Client Project ID
100688801

Matrix
Soil

Collection Date/Time
May 9, 2018 12:50 pm

Date Received
05/09/2018

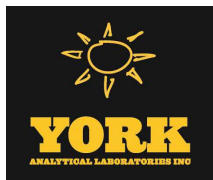
Volatiles, 8260 Comprehensive

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
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.042	0.085	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:59	SS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/14/2018 14:46	05/15/2018 04:59	SS
78-93-3	2-Butanone	0.0079		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:59	SS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:59	SS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:59	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:59	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:59	SS
67-64-1	Acetone	0.037	CCV-E, SCAL-E	mg/kg dry	0.0042	0.0085	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:59	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0042	0.0085	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:59	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:59	SS
71-43-2	Benzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:59	SS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:59	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:59	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:59	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:59	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:59	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:59	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:59	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:59	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:59	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:59	SS



Sample Information

Client Sample ID: 028/LSB-8B

York Sample ID: 18E0487-08

York Project (SDG) No.
18E0487

Client Project ID
100688801

Matrix
Soil

Collection Date/Time
May 9, 2018 12:50 pm

Date Received
05/09/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-87-3	Chloromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:59	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:59	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:59	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:59	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:59	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:59	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:59	SS
100-41-4	Ethyl Benzene	0.0055		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:59	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:59	SS
98-82-8	Isopropylbenzene	0.0027	J	mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:59	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:59	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:59	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:59	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0042	0.0085	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:59	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:59	SS
103-65-1	n-Propylbenzene	0.0024	J	mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:59	SS
95-47-6	o-Xylene	0.0064		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:59	SS
179601-23-1	p- & m- Xylenes	0.0057	J	mg/kg dry	0.0042	0.0085	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:59	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:59	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:59	SS
100-42-5	Styrene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:59	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0021	0.0085	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:59	SS



Sample Information

Client Sample ID: 028/LSB-8B

York Sample ID: 18E0487-08

York Project (SDG) No.
18E0487

Client Project ID
100688801

Matrix
Soil

Collection Date/Time
May 9, 2018 12:50 pm

Date Received
05/09/2018

Volatiles, 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
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:59	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:59	SS
108-88-3	Toluene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:59	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:59	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:59	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:59	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:59	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 14:46	05/15/2018 04:59	SS
1330-20-7	Xylenes, Total	0.012	J	mg/kg dry	0.0064	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/14/2018 14:46	05/15/2018 04:59	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	101 %	77-125								
2037-26-5	Surrogate: Toluene-d8	105 %	85-120								
460-00-4	Surrogate: p-Bromofluorobenzene	103 %	76-130								

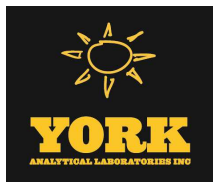
Semivolatiles, 8270 Comprehensive

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	0.285		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 00:32	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0920	0.184	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 00:32	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 00:32	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/14/2018 13:47	05/16/2018 00:32	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 00:32	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/14/2018 13:47	05/16/2018 00:32	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/14/2018 13:47	05/16/2018 00:32	KH



Sample Information

Client Sample ID: 028/LSB-8B

York Sample ID: 18E0487-08

York Project (SDG) No.

18E0487

Client Project ID

100688801

Matrix

Soil

Collection Date/Time

May 9, 2018 12:50 pm

Date Received

05/09/2018

Semivolatiles, 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	0.0920	0.184	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 00:32	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 00:32	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 00:32	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 00:32	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 00:32	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0920	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 00:32	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 00:32	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 00:32	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 00:32	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 00:32	KH
91-57-6	2-Methylnaphthalene	4.42		mg/kg dry	0.461	0.920	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 11:04	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 00:32	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0920	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 00:32	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 00:32	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 00:32	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 00:32	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0920	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 00:32	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0920	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 00:32	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 00:32	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 00:32	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 00:32	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 00:32	KH



Sample Information

Client Sample ID: 028/LSB-8B

York Sample ID: 18E0487-08

York Project (SDG) No.
18E0487

Client Project ID
100688801

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Collection Date/Time
May 9, 2018 12:50 pm

Date Received
05/09/2018

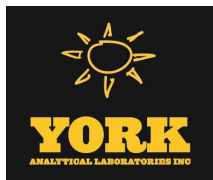
Semivolatiles, 8270 Comprehensive

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
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0920	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 00:32	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0920	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 00:32	KH
83-32-9	Acenaphthene	8.03		mg/kg dry	0.461	0.920	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 11:04	KH
208-96-8	Acenaphthylene	1.21		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 00:32	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 00:32	KH
62-53-3	Aniline	ND		mg/kg dry	0.184	0.369	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 00:32	KH
120-12-7	Anthracene	10.3		mg/kg dry	0.461	0.920	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 11:04	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 00:32	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 00:32	KH
92-87-5	Benzidine	ND		mg/kg dry	0.184	0.369	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	05/14/2018 13:47	05/16/2018 00:32	KH
56-55-3	Benzo(a)anthracene	10.5		mg/kg dry	0.461	0.920	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 11:04	KH
50-32-8	Benzo(a)pyrene	10.2		mg/kg dry	0.461	0.920	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 11:04	KH
205-99-2	Benzo(b)fluoranthene	5.22		mg/kg dry	0.461	0.920	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 11:04	KH
191-24-2	Benzo(g,h,i)perylene	5.89		mg/kg dry	0.461	0.920	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 11:04	KH
207-08-9	Benzo(k)fluoranthene	6.03		mg/kg dry	0.461	0.920	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 11:04	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 00:32	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 00:32	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 00:32	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 00:32	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 00:32	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 00:32	KH
117-81-7	Bis(2-ethylhexyl)phthalate	0.0706	J	mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 00:32	KH



Sample Information

Client Sample ID: 028/LSB-8B

York Sample ID: 18E0487-08

York Project (SDG) No.
18E0487

Client Project ID
100688801

Matrix
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Collection Date/Time
May 9, 2018 12:50 pm

Date Received
05/09/2018

Semivolatiles, 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
105-60-2	Caprolactam	ND		mg/kg dry	0.0920	0.184	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 00:32	KH
86-74-8	Carbazole	0.406		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 00:32	KH
218-01-9	Chrysene	10.9		mg/kg dry	0.461	0.920	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 11:04	KH
53-70-3	Dibenzo(a,h)anthracene	2.06		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 00:32	KH
132-64-9	Dibenzofuran	1.12		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 00:32	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 00:32	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 00:32	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 00:32	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 00:32	KH
206-44-0	Fluoranthene	21.2		mg/kg dry	0.461	0.920	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 11:04	KH
86-73-7	Fluorene	10.5		mg/kg dry	0.461	0.920	20	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 11:04	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 00:32	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 00:32	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 00:32	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 00:32	KH
193-39-5	Indeno(1,2,3-cd)pyrene	4.96		mg/kg dry	0.461	0.920	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 11:04	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 00:32	KH
91-20-3	Naphthalene	8.48		mg/kg dry	0.461	0.920	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 11:04	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 00:32	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 00:32	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 00:32	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 00:32	KH



Sample Information

Client Sample ID: 028/LSB-8B

York Sample ID: 18E0487-08

York Project (SDG) No.
18E0487

Client Project ID
100688801

Matrix
Soil

Collection Date/Time
May 9, 2018 12:50 pm

Date Received
05/09/2018

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 00:32	KH
85-01-8	Phenanthrene	42.6		mg/kg dry	1.15	2.30	50	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 15:22	KH
108-95-2	Phenol	ND		mg/kg dry	0.0461	0.0920	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 00:32	KH
129-00-0	Pyrene	30.3		mg/kg dry	1.15	2.30	50	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 15:22	KH
110-86-1	Pyridine	ND		mg/kg dry	0.184	0.369	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 13:47	05/16/2018 00:32	KH
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: 2-Fluorophenol	65.7 %				20-108					
4165-62-2	Surrogate: Phenol-d5	73.6 %				23-114					
4165-60-0	Surrogate: Nitrobenzene-d5	70.1 %				22-108					
321-60-8	Surrogate: 2-Fluorobiphenyl	68.7 %				21-113					
118-79-6	Surrogate: 2,4,6-Tribromophenol	114 %	S-08			19-110					
1718-51-0	Surrogate: Terphenyl-d14	65.7 %				24-116					

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 12:20	SA
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 12:20	SA
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 12:20	SA
309-00-2	Aldrin	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 12:20	SA
319-84-6	alpha-BHC	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 12:20	SA
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/14/2018 07:15	05/16/2018 12:20	SA
319-85-7	beta-BHC	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 12:20	SA
57-74-9	Chlordane, total	ND		mg/kg dry	0.0364	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 12:20	SA
319-86-8	delta-BHC	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 12:20	SA
60-57-1	Dieldrin	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 12:20	SA



Sample Information

Client Sample ID: 028/LSB-8B

York Sample ID: 18E0487-08

York Project (SDG) No.
18E0487

Client Project ID
100688801

Matrix
Soil

Collection Date/Time
May 9, 2018 12:50 pm

Date Received
05/09/2018

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
959-98-8	Endosulfan I	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 12:20	SA
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	05/14/2018 07:15	05/16/2018 12:20	SA
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 12:20	SA
72-20-8	Endrin	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 12:20	SA
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 12:20	SA
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 12:20	SA
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 12:20	SA
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/14/2018 07:15	05/16/2018 12:20	SA
76-44-8	Heptachlor	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 12:20	SA
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 12:20	SA
72-43-5	Methoxychlor	ND		mg/kg dry	0.00911	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 12:20	SA
8001-35-2	Toxaphene	ND		mg/kg dry	0.0922	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/14/2018 07:15	05/16/2018 12:20	SA
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	50.4 %								
877-09-8	Surrogate: Tetrachloro-m-xylene	9.94 %	GC-SC u							

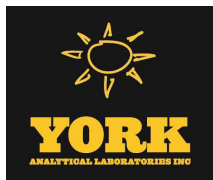
Polychlorinated Biphenyls (PCB), 8082 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/14/2018 07:15	05/14/2018 22:51	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/14/2018 07:15	05/14/2018 22:51	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/14/2018 07:15	05/14/2018 22:51	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/14/2018 07:15	05/14/2018 22:51	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/14/2018 07:15	05/14/2018 22:51	LAB



Sample Information

Client Sample ID: 028/LSB-8B

York Sample ID: 18E0487-08

York Project (SDG) No.
18E0487

Client Project ID
100688801

Matrix
Soil

Collection Date/Time
May 9, 2018 12:50 pm

Date Received
05/09/2018

Polychlorinated Biphenyls (PCB), 8082 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/14/2018 07:15	05/14/2018 22:51	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/14/2018 07:15	05/14/2018 22:51	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications:	05/14/2018 07:15	05/14/2018 22:51	LAB
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	40.6 %		30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	29.7 %		30-120						

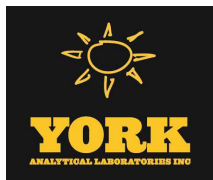
Metals, Target Analyte

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	9830		mg/kg dry	5.52	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:26	KML
7440-36-0	Antimony	ND		mg/kg dry	0.552	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:26	KML
7440-38-2	Arsenic	10.1		mg/kg dry	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:26	KML
7440-39-3	Barium	131		mg/kg dry	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:26	KML
7440-41-7	Beryllium	0.512		mg/kg dry	0.110	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:26	KML
7440-43-9	Cadmium	0.677		mg/kg dry	0.331	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:26	KML
7440-70-2	Calcium	7750		mg/kg dry	5.52	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:26	KML
7440-47-3	Chromium	21.8		mg/kg dry	0.552	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:26	KML
7440-48-4	Cobalt	10.3		mg/kg dry	0.552	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:26	KML
7440-50-8	Copper	47.4		mg/kg dry	0.552	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:26	KML
7439-89-6	Iron	29700		mg/kg dry	2.21	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:26	KML
7439-92-1	Lead	256		mg/kg dry	0.552	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:26	KML
7439-95-4	Magnesium	13800		mg/kg dry	5.52	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:26	KML
7439-96-5	Manganese	525		mg/kg dry	0.552	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:26	KML



Sample Information

Client Sample ID: 028/LSB-8B

York Sample ID: 18E0487-08

York Project (SDG) No.
18E0487

Client Project ID
100688801

Matrix
Soil

Collection Date/Time
May 9, 2018 12:50 pm

Date Received
05/09/2018

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	174		mg/kg dry	0.552	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:26	KML
7440-09-7	Potassium	598	B	mg/kg dry	5.52	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:26	KML
7782-49-2	Selenium	ND		mg/kg dry	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:26	KML
7440-22-4	Silver	ND		mg/kg dry	0.552	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:26	KML
7440-23-5	Sodium	250	B	mg/kg dry	11.0	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/10/2018 08:51	05/14/2018 18:26	KML
7440-28-0	Thallium	ND		mg/kg dry	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:26	KML
7440-62-2	Vanadium	34.1		mg/kg dry	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:26	KML
7440-66-6	Zinc	456		mg/kg dry	1.66	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/10/2018 08:51	05/14/2018 18:26	KML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.201		mg/kg dry	0.0331	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	05/11/2018 08:37	05/11/2018 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	90.6		%	0.100	1	SM 2540G Certifications: CTDOH	05/15/2018 13:13	05/15/2018 16:40	AD

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	0.552	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	05/11/2018 09:08	05/11/2018 16:23	TJD

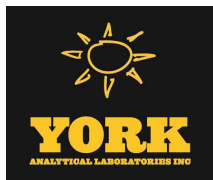
Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

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

Client Sample ID: 028/LSB-8B

York Sample ID: 18E0487-08

York Project (SDG) No.

18E0487

Client Project ID

100688801

Matrix

Soil

Collection Date/Time

May 9, 2018 12:50 pm

Date Received

05/09/2018

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	21.8		mg/kg	0.500	1	Calculation Certifications:	05/16/2018 14:41	05/16/2018 14:52	PAM



Sample Information

Client Sample ID: 029/TB-2

York Sample ID: 18E0487-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0487

100688801

Water

May 9, 2018 12:00 pm

05/09/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2018 07:30	05/10/2018 13:38	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2018 07:30	05/10/2018 13:38	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2018 07:30	05/10/2018 13:38	SS
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,NJDEP,PADEP	05/10/2018 07:30	05/10/2018 13:38	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2018 07:30	05/10/2018 13:38	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2018 07:30	05/10/2018 13:38	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2018 07:30	05/10/2018 13:38	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/10/2018 07:30	05/10/2018 13:38	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2018 07:30	05/10/2018 13:38	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2018 07:30	05/10/2018 13:38	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2018 07:30	05/10/2018 13:38	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2018 07:30	05/10/2018 13:38	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2018 07:30	05/10/2018 13:38	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2018 07:30	05/10/2018 13:38	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2018 07:30	05/10/2018 13:38	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2018 07:30	05/10/2018 13:38	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2018 07:30	05/10/2018 13:38	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2018 07:30	05/10/2018 13:38	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2018 07:30	05/10/2018 13:38	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2018 07:30	05/10/2018 13:38	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2018 07:30	05/10/2018 13:38	SS



Sample Information

Client Sample ID: 029/TB-2

York Sample ID: 18E0487-09

York Project (SDG) No.

18E0487

Client Project ID

100688801

Matrix

Water

Collection Date/Time

May 9, 2018 12:00 pm

Date Received

05/09/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2018 07:30	05/10/2018 13:38	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2018 07:30	05/10/2018 13:38	SS
78-93-3	2-Butanone	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2018 07:30	05/10/2018 13:38	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2018 07:30	05/10/2018 13:38	SS
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2018 07:30	05/10/2018 13:38	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2018 07:30	05/10/2018 13:38	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2018 07:30	05/10/2018 13:38	SS
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2018 07:30	05/10/2018 13:38	SS
107-02-8	Acrolein	ND		ug/L	0.200	4.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2018 07:30	05/10/2018 13:38	SS
107-13-1	Acrylonitrile	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2018 07:30	05/10/2018 13:38	SS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2018 07:30	05/10/2018 13:38	SS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2018 07:30	05/10/2018 13:38	SS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2018 07:30	05/10/2018 13:38	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2018 07:30	05/10/2018 13:38	SS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2018 07:30	05/10/2018 13:38	SS
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2018 07:30	05/10/2018 13:38	SS
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2018 07:30	05/10/2018 13:38	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2018 07:30	05/10/2018 13:38	SS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2018 07:30	05/10/2018 13:38	SS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2018 07:30	05/10/2018 13:38	SS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2018 07:30	05/10/2018 13:38	SS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2018 07:30	05/10/2018 13:38	SS



Sample Information

Client Sample ID: 029/TB-2

York Sample ID: 18E0487-09

York Project (SDG) No.
18E0487

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 9, 2018 12:00 pm

Date Received
05/09/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2018 07:30	05/10/2018 13:38	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2018 07:30	05/10/2018 13:38	SS
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2018 07:30	05/10/2018 13:38	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2018 07:30	05/10/2018 13:38	SS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2018 07:30	05/10/2018 13:38	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2018 07:30	05/10/2018 13:38	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2018 07:30	05/10/2018 13:38	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2018 07:30	05/10/2018 13:38	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2018 07:30	05/10/2018 13:38	SS
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2018 07:30	05/10/2018 13:38	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2018 07:30	05/10/2018 13:38	SS
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2018 07:30	05/10/2018 13:38	SS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2018 07:30	05/10/2018 13:38	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2018 07:30	05/10/2018 13:38	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2018 07:30	05/10/2018 13:38	SS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2018 07:30	05/10/2018 13:38	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2018 07:30	05/10/2018 13:38	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2018 07:30	05/10/2018 13:38	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2018 07:30	05/10/2018 13:38	SS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2018 07:30	05/10/2018 13:38	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2018 07:30	05/10/2018 13:38	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2018 07:30	05/10/2018 13:38	SS



Sample Information

Client Sample ID: 029/TB-2

York Sample ID: 18E0487-09

York Project (SDG) No.
18E0487

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 9, 2018 12:00 pm

Date Received
05/09/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2018 07:30	05/10/2018 13:38	SS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2018 07:30	05/10/2018 13:38	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2018 07:30	05/10/2018 13:38	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2018 07:30	05/10/2018 13:38	SS
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2018 07:30	05/10/2018 13:38	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2018 07:30	05/10/2018 13:38	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2018 07:30	05/10/2018 13:38	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/10/2018 07:30	05/10/2018 13:38	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	101 %	70-130								
2037-26-5	Surrogate: Toluene-d8	97.5 %	70-130								
460-00-4	Surrogate: p-Bromofluorobenzene	100 %	70-130								



Analytical Batch Summary

Batch ID: BE80524 **Preparation Method:** EPA 5030B **Prepared By:** TAB

YORK Sample ID	Client Sample ID	Preparation Date
18E0487-09	029/TB-2	05/10/18
BE80524-BLK1	Blank	05/10/18
BE80524-BLK2	Blank	05/10/18
BE80524-BLK3	Blank	05/10/18
BE80524-BLK4	Blank	05/10/18
BE80524-BS1	LCS	05/10/18
BE80524-BSD1	LCS Dup	05/10/18

Batch ID: BE80534 **Preparation Method:** EPA 3050B **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
18E0487-01	021/LSB-12A	05/10/18
18E0487-02	022/LSB-12B	05/10/18
18E0487-03	023/LSB-10A	05/10/18
18E0487-04	024/LSB-10B	05/10/18
18E0487-05	025/LSB-13A	05/10/18
18E0487-06	026/LSB-13B	05/10/18
18E0487-07	027/LSB-8A	05/10/18
18E0487-08	028/LSB-8B	05/10/18
BE80534-BLK1	Blank	05/10/18
BE80534-SRM1	Reference	05/10/18

Batch ID: BE80610 **Preparation Method:** EPA 7473 soil **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
18E0487-01	021/LSB-12A	05/11/18
18E0487-02	022/LSB-12B	05/11/18
18E0487-03	023/LSB-10A	05/11/18
18E0487-04	024/LSB-10B	05/11/18
18E0487-05	025/LSB-13A	05/11/18
18E0487-06	026/LSB-13B	05/11/18
18E0487-07	027/LSB-8A	05/11/18
18E0487-08	028/LSB-8B	05/11/18
BE80610-BLK1	Blank	05/11/18
BE80610-SRM1	Reference	05/11/18

Batch ID: BE80611 **Preparation Method:** EPA SW846-3060 **Prepared By:** TJD

YORK Sample ID	Client Sample ID	Preparation Date
18E0487-01	021/LSB-12A	05/11/18
18E0487-02	022/LSB-12B	05/11/18
18E0487-03	023/LSB-10A	05/11/18
18E0487-04	024/LSB-10B	05/11/18
18E0487-05	025/LSB-13A	05/11/18



18E0487-06	026/LSB-13B	05/11/18
18E0487-07	027/LSB-8A	05/11/18
18E0487-08	028/LSB-8B	05/11/18
BE80611-BLK1	Blank	05/11/18
BE80611-SRM1	Reference	05/11/18

Batch ID: BE80671 **Preparation Method:** EPA 3550C **Prepared By:** SGM

YORK Sample ID	Client Sample ID	Preparation Date
18E0487-01	021/LSB-12A	05/14/18
18E0487-01	021/LSB-12A	05/14/18
18E0487-02	022/LSB-12B	05/14/18
18E0487-02	022/LSB-12B	05/14/18
18E0487-03	023/LSB-10A	05/14/18
18E0487-03	023/LSB-10A	05/14/18
18E0487-04	024/LSB-10B	05/14/18
18E0487-04	024/LSB-10B	05/14/18
18E0487-05	025/LSB-13A	05/14/18
18E0487-05	025/LSB-13A	05/14/18
18E0487-06	026/LSB-13B	05/14/18
18E0487-06	026/LSB-13B	05/14/18
18E0487-07	027/LSB-8A	05/14/18
18E0487-07	027/LSB-8A	05/14/18
18E0487-08	028/LSB-8B	05/14/18
18E0487-08	028/LSB-8B	05/14/18
BE80671-BLK1	Blank	05/14/18
BE80671-BLK2	Blank	05/14/18
BE80671-BS1	LCS	05/14/18
BE80671-BS2	LCS	05/14/18

Batch ID: BE80700 **Preparation Method:** EPA 5035A **Prepared By:** TAB

YORK Sample ID	Client Sample ID	Preparation Date
18E0487-01	021/LSB-12A	05/14/18
18E0487-02	022/LSB-12B	05/14/18
18E0487-03	023/LSB-10A	05/14/18
18E0487-04	024/LSB-10B	05/14/18
18E0487-05	025/LSB-13A	05/14/18
18E0487-06	026/LSB-13B	05/14/18
18E0487-07	027/LSB-8A	05/14/18
18E0487-08	028/LSB-8B	05/14/18
BE80700-BLK1	Blank	05/14/18
BE80700-BS1	LCS	05/14/18
BE80700-BSD1	LCS Dup	05/14/18

Batch ID: BE80726 **Preparation Method:** EPA 3550C **Prepared By:** AB

YORK Sample ID	Client Sample ID	Preparation Date
18E0487-01	021/LSB-12A	05/14/18
18E0487-02	022/LSB-12B	05/14/18



18E0487-02RE1	022/LSB-12B	05/14/18
18E0487-02RE2	022/LSB-12B	05/14/18
18E0487-03	023/LSB-10A	05/14/18
18E0487-03RE2	023/LSB-10A	05/14/18
18E0487-04	024/LSB-10B	05/14/18
18E0487-05	025/LSB-13A	05/14/18
18E0487-06	026/LSB-13B	05/14/18
18E0487-06RE1	026/LSB-13B	05/14/18
18E0487-07	027/LSB-8A	05/14/18
18E0487-08	028/LSB-8B	05/14/18
18E0487-08RE1	028/LSB-8B	05/14/18
18E0487-08RE2	028/LSB-8B	05/14/18
BE80726-BLK1	Blank	05/14/18
BE80726-BS1	LCS	05/14/18

Batch ID: BE80792 **Preparation Method:** % Solids Prep **Prepared By:** AD

YORK Sample ID	Client Sample ID	Preparation Date
18E0487-01	021/LSB-12A	05/15/18

Batch ID: BE80793 **Preparation Method:** % Solids Prep **Prepared By:** AD

YORK Sample ID	Client Sample ID	Preparation Date
18E0487-02	022/LSB-12B	05/15/18
18E0487-03	023/LSB-10A	05/15/18
18E0487-04	024/LSB-10B	05/15/18
18E0487-05	025/LSB-13A	05/15/18
18E0487-06	026/LSB-13B	05/15/18
18E0487-07	027/LSB-8A	05/15/18
18E0487-08	028/LSB-8B	05/15/18

Batch ID: BE80876 **Preparation Method:** Analysis Preparation **Prepared By:** PAM

YORK Sample ID	Client Sample ID	Preparation Date
18E0487-01	021/LSB-12A	05/16/18
18E0487-02	022/LSB-12B	05/16/18
18E0487-03	023/LSB-10A	05/16/18
18E0487-04	024/LSB-10B	05/16/18
18E0487-05	025/LSB-13A	05/16/18
18E0487-06	026/LSB-13B	05/16/18
18E0487-07	027/LSB-8A	05/16/18
18E0487-08	028/LSB-8B	05/16/18



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
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Batch BE80524 - EPA 5030B

Blank (BE80524-BLK1)

Prepared & Analyzed: 05/10/2018

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	"
1,1-Dichloropropylene	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	"
2,2-Dichloropropane	ND	0.500	"
2-Butanone	ND	0.500	"
2-Chlorotoluene	ND	0.500	"
2-Hexanone	ND	0.500	"
4-Chlorotoluene	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	"
Bromobenzene	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	"
Ethyl Benzene	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
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Batch BE80524 - EPA 5030B

Blank (BE80524-BLK1)

Prepared & Analyzed: 05/10/2018

Hexachlorobutadiene	ND	0.500	ug/L
Isopropylbenzene	ND	0.500	"
Methyl acetate	ND	0.500	"
Methyl tert-butyl ether (MTBE)	ND	0.500	"
Methylcyclohexane	ND	0.500	"
Methylene chloride	1.20	2.00	"
n-Butylbenzene	ND	0.500	"
n-Propylbenzene	ND	0.500	"
o-Xylene	ND	0.500	"
p- & m- Xylenes	ND	1.00	"
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

9.75

"

10.0

97.5

70-130

Surrogate: Toluene-d8

9.70

"

10.0

97.0

70-130

Surrogate: p-Bromofluorobenzene

10.1

"

10.0

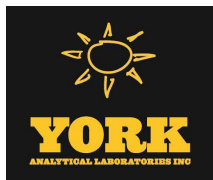
101

70-130

Blank (BE80524-BLK2)

Prepared & Analyzed: 05/10/2018

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	"
1,1-Dichloropropylene	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	"
2,2-Dichloropropane	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
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Batch BE80524 - EPA 5030B

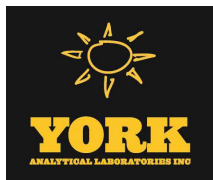
Blank (BE80524-BLK2)

Prepared & Analyzed: 05/10/2018

2-Butanone	ND	0.500	ug/L
2-Chlorotoluene	ND	0.500	"
2-Hexanone	ND	0.500	"
4-Chlorotoluene	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	"
Bromobenzene	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	"
Ethyl Benzene	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-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 10.0 " 10.0 100 70-130





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
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Batch BE80524 - EPA 5030B

Blank (BE80524-BLK2)

Prepared & Analyzed: 05/10/2018

Surrogate: Toluene-d8	9.76		ug/L	10.0		97.6	70-130				
Surrogate: p-Bromofluorobenzene	10.2		"	10.0		102	70-130				

Blank (BE80524-BLK3)

Prepared & Analyzed: 05/10/2018

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	"								
1,1-Dichloropropylene	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	"								
2,2-Dichloropropane	ND	0.500	"								
2-Butanone	ND	0.500	"								
2-Chlorotoluene	ND	0.500	"								
2-Hexanone	ND	0.500	"								
4-Chlorotoluene	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	"								
Bromobenzene	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	"								



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
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Batch BE80524 - EPA 5030B

Blank (BE80524-BLK3)

Prepared & Analyzed: 05/10/2018

Dibromomethane	ND	0.500	ug/L								
Dichlorodifluoromethane	ND	0.500	"								
Ethyl Benzene	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-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	9.86		"	10.0		98.6	70-130				
Surrogate: Toluene-d8	9.73		"	10.0		97.3	70-130				
Surrogate: p-Bromofluorobenzene	10.2		"	10.0		102	70-130				



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
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Batch BE80524 - EPA 5030B

Blank (BE80524-BLK4)

Prepared & Analyzed: 05/10/2018

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	"
1,1-Dichloropropylene	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	"
2,2-Dichloropropane	ND	0.500	"
2-Butanone	ND	0.500	"
2-Chlorotoluene	ND	0.500	"
2-Hexanone	ND	0.500	"
4-Chlorotoluene	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	"
Bromobenzene	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	"
Ethyl Benzene	ND	0.500	"
Hexachlorobutadiene	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
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Batch BE80524 - EPA 5030B

Blank (BE80524-BLK4)

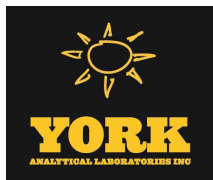
Prepared & Analyzed: 05/10/2018

Isopropylbenzene	ND	0.500	ug/L								
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-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	9.78		"	10.0		97.8	70-130				
Surrogate: Toluene-d8	9.78		"	10.0		97.8	70-130				
Surrogate: p-Bromofluorobenzene	10.3		"	10.0		103	70-130				

LCS (BE80524-BS1)

Prepared & Analyzed: 05/10/2018

1,1,1,2-Tetrachloroethane	10.1		ug/L	10.0		101	82-126			30	
1,1,1-Trichloroethane	10.1		"	10.0		101	70-130			20	
1,1,2,2-Tetrachloroethane	10.4		"	10.0		104	70-130			20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.2		"	10.0		102	70-130			20	
1,1,2-Trichloroethane	9.81		"	10.0		98.1	70-130			20	
1,1-Dichloroethane	10.2		"	10.0		102	70-130			20	
1,1-Dichloroethylene	10.2		"	10.0		102	70-130			20	
1,1-Dichloropropylene	10.3		"	10.0		103	83-133			30	
1,2,3-Trichlorobenzene	10.1		"	10.0		101	70-130			20	
1,2,3-Trichloropropane	10.2		"	10.0		102	77-128			30	
1,2,4-Trichlorobenzene	10.0		"	10.0		100	70-130			20	
1,2,4-Trimethylbenzene	10.1		"	10.0		101	82-132			20	
1,2-Dibromo-3-chloropropane	9.40		"	10.0		94.0	40-160			20	
1,2-Dibromoethane	9.98		"	10.0		99.8	70-130			20	
1,2-Dichlorobenzene	10.2		"	10.0		102	70-130			20	
1,2-Dichloroethane	10.4		"	10.0		104	70-130			20	
1,2-Dichloropropane	10.1		"	10.0		101	70-130			20	
1,3,5-Trimethylbenzene	10.1		"	10.0		101	80-131			30	
1,3-Dichlorobenzene	10.3		"	10.0		103	70-130			20	
1,3-Dichloropropane	9.95		"	10.0		99.5	81-125			30	
1,4-Dichlorobenzene	10.1		"	10.0		101	70-130			20	
1,4-Dioxane	141		"	210		67.3	40-160			20	
2,2-Dichloropropane	10.5		"	10.0		105	56-150			30	
2-Butanone	10.5		"	10.0		105	40-160			20	



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 BE80524 - EPA 5030B											
LCS (BE80524-BS1)						Prepared & Analyzed: 05/10/2018					
2-Chlorotoluene	10.3		ug/L	10.0		103	79-130			30	
2-Hexanone	10.3		"	10.0		103	40-160			20	
4-Chlorotoluene	10.2		"	10.0		102	79-128			30	
4-Methyl-2-pentanone	10.5		"	10.0		105	40-160			20	
Acetone	8.77		"	10.0		87.7	40-160			20	
Acrolein	8.56		"	10.0		85.6	10-153			30	
Acrylonitrile	9.56		"	10.0		95.6	51-150			30	
Benzene	10.6		"	10.0		106	70-130			20	
Bromobenzene	9.96		"	10.0		99.6	78-129			30	
Bromochloromethane	10.6		"	10.0		106	70-130			20	
Bromodichloromethane	10.0		"	10.0		100	70-130			20	
Bromoform	9.90		"	10.0		99.0	70-130			20	
Bromomethane	10.0		"	10.0		100	40-160			20	
Carbon disulfide	10.8		"	10.0		108	40-160			20	
Carbon tetrachloride	10.2		"	10.0		102	70-130			20	
Chlorobenzene	10.1		"	10.0		101	70-130			20	
Chloroethane	11.2		"	10.0		112	40-160			20	
Chloroform	10.2		"	10.0		102	70-130			20	
Chloromethane	10.6		"	10.0		106	40-160			20	
cis-1,2-Dichloroethylene	10.2		"	10.0		102	70-130			20	
cis-1,3-Dichloropropylene	9.50		"	10.0		95.0	70-130			20	
Cyclohexane	11.1		"	10.0		111	70-130			20	
Dibromochloromethane	9.79		"	10.0		97.9	70-130			20	
Dibromomethane	9.83		"	10.0		98.3	72-134			30	
Dichlorodifluoromethane	12.8		"	10.0		128	40-160			20	
Ethyl Benzene	10.3		"	10.0		103	70-130			20	
Hexachlorobutadiene	10.1		"	10.0		101	67-146			30	
Isopropylbenzene	10.1		"	10.0		101	70-130			20	
Methyl acetate	10.8		"	10.0		108	70-130			20	
Methyl tert-butyl ether (MTBE)	10.5		"	10.0		105	70-130			20	
Methylcyclohexane	10.1		"	10.0		101	70-130			20	
Methylene chloride	10.8		"	10.0		108	70-130			20	
n-Butylbenzene	10.3		"	10.0		103	79-132			30	
n-Propylbenzene	10.2		"	10.0		102	78-133			30	
o-Xylene	10.2		"	10.0		102	70-130			20	
p- & m- Xylenes	20.3		"	20.0		101	70-130			20	
p-Isopropyltoluene	10.3		"	10.0		103	81-136			30	
sec-Butylbenzene	10.6		"	10.0		106	79-137			30	
Styrene	10.0		"	10.0		100	70-130			20	
tert-Butyl alcohol (TBA)	43.7		"	50.0		87.5	25-162			30	
tert-Butylbenzene	10.1		"	10.0		101	77-138			30	
Tetrachloroethylene	9.03		"	10.0		90.3	70-130			20	
Toluene	10.2		"	10.0		102	70-130			20	
trans-1,2-Dichloroethylene	10.1		"	10.0		101	70-130			20	
trans-1,3-Dichloropropylene	9.25		"	10.0		92.5	70-130			20	
Trichloroethylene	10.1		"	10.0		101	70-130			20	
Trichlorofluoromethane	10.9		"	10.0		109	40-160			20	
Vinyl Chloride	11.1		"	10.0		111	70-130			20	
Surrogate: 1,2-Dichloroethane-d4	10.2		"	10.0		102	70-130				
Surrogate: Toluene-d8	9.66		"	10.0		96.6	70-130				
Surrogate: p-Bromofluorobenzene	9.87		"	10.0		98.7	70-130				



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 BE80524 - EPA 5030B											
LCS (BE80524-BS1)						Prepared & Analyzed: 05/10/2018					
LCS Dup (BE80524-BSD1)						Prepared & Analyzed: 05/10/2018					
1,1,1,2-Tetrachloroethane	10.6		ug/L	10.0		106	82-126		5.32	30	
1,1,1-Trichloroethane	10.5		"	10.0		105	70-130		3.60	20	
1,1,2,2-Tetrachloroethane	10.6		"	10.0		106	70-130		2.01	20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.59		"	10.0		95.9	70-130		6.26	20	
1,1,2-Trichloroethane	10.1		"	10.0		101	70-130		2.81	20	
1,1-Dichloroethane	10.7		"	10.0		107	70-130		5.06	20	
1,1-Dichloroethylene	10.5		"	10.0		105	70-130		2.70	20	
1,1-Dichloropropylene	10.6		"	10.0		106	83-133		2.59	30	
1,2,3-Trichlorobenzene	10.6		"	10.0		106	70-130		4.91	20	
1,2,3-Trichloropropane	10.4		"	10.0		104	77-128		2.32	30	
1,2,4-Trichlorobenzene	10.5		"	10.0		105	70-130		4.40	20	
1,2,4-Trimethylbenzene	10.6		"	10.0		106	82-132		5.60	20	
1,2-Dibromo-3-chloropropane	9.41		"	10.0		94.1	40-160		0.106	20	
1,2-Dibromoethane	10.2		"	10.0		102	70-130		2.38	20	
1,2-Dichlorobenzene	10.6		"	10.0		106	70-130		4.12	20	
1,2-Dichloroethane	10.7		"	10.0		107	70-130		3.03	20	
1,2-Dichloropropane	10.5		"	10.0		105	70-130		3.78	20	
1,3,5-Trimethylbenzene	10.7		"	10.0		107	80-131		5.28	30	
1,3-Dichlorobenzene	10.8		"	10.0		108	70-130		5.04	20	
1,3-Dichloropropane	10.2		"	10.0		102	81-125		2.68	30	
1,4-Dichlorobenzene	10.6		"	10.0		106	70-130		5.21	20	
1,4-Dioxane	172		"	210		82.1	40-160		19.9	20	
2,2-Dichloropropane	10.6		"	10.0		106	56-150		1.13	30	
2-Butanone	11.0		"	10.0		110	40-160		4.47	20	
2-Chlorotoluene	10.8		"	10.0		108	79-130		4.47	30	
2-Hexanone	10.6		"	10.0		106	40-160		3.15	20	
4-Chlorotoluene	10.7		"	10.0		107	79-128		4.87	30	
4-Methyl-2-pentanone	10.8		"	10.0		108	40-160		2.25	20	
Acetone	10.3		"	10.0		103	40-160		15.7	20	
Acrolein	8.56		"	10.0		85.6	10-153		0.00	30	
Acrylonitrile	10.1		"	10.0		101	51-150		5.59	30	
Benzene	11.0		"	10.0		110	70-130		4.07	20	
Bromobenzene	10.5		"	10.0		105	78-129		5.28	30	
Bromochloromethane	11.0		"	10.0		110	70-130		3.24	20	
Bromodichloromethane	10.4		"	10.0		104	70-130		4.01	20	
Bromoform	9.99		"	10.0		99.9	70-130		0.905	20	
Bromomethane	10.7		"	10.0		107	40-160		6.58	20	
Carbon disulfide	11.1		"	10.0		111	40-160		2.64	20	
Carbon tetrachloride	10.4		"	10.0		104	70-130		1.85	20	
Chlorobenzene	10.5		"	10.0		105	70-130		3.80	20	
Chloroethane	11.5		"	10.0		115	40-160		2.82	20	
Chloroform	10.7		"	10.0		107	70-130		4.02	20	
Chloromethane	10.9		"	10.0		109	40-160		2.89	20	
cis-1,2-Dichloroethylene	10.6		"	10.0		106	70-130		4.22	20	
cis-1,3-Dichloropropylene	9.93		"	10.0		99.3	70-130		4.43	20	
Cyclohexane	10.6		"	10.0		106	70-130		5.44	20	
Dibromochloromethane	10.1		"	10.0		101	70-130		3.22	20	
Dibromomethane	10.0		"	10.0		100	72-134		2.01	30	
Dichlorodifluoromethane	12.1		"	10.0		121	40-160		5.77	20	



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 BE80524 - EPA 5030B											
LCS Dup (BE80524-BSD1)						Prepared & Analyzed: 05/10/2018					
Ethyl Benzene	10.8		ug/L	10.0		108	70-130		4.75	20	
Hexachlorobutadiene	9.96		"	10.0		99.6	67-146		1.10	30	
Isopropylbenzene	10.5		"	10.0		105	70-130		3.89	20	
Methyl acetate	10.8		"	10.0		108	70-130		0.369	20	
Methyl tert-butyl ether (MTBE)	10.9		"	10.0		109	70-130		3.66	20	
Methylcyclohexane	9.61		"	10.0		96.1	70-130		4.67	20	
Methylene chloride	11.3		"	10.0		113	70-130		3.97	20	
n-Butylbenzene	10.8		"	10.0		108	79-132		3.98	30	
n-Propylbenzene	10.7		"	10.0		107	78-133		4.41	30	
o-Xylene	10.7		"	10.0		107	70-130		4.86	20	
p- & m- Xylenes	21.4		"	20.0		107	70-130		5.24	20	
p-Isopropyltoluene	10.8		"	10.0		108	81-136		4.65	30	
sec-Butylbenzene	11.1		"	10.0		111	79-137		4.43	30	
Styrene	10.4		"	10.0		104	70-130		4.11	20	
tert-Butyl alcohol (TBA)	47.0		"	50.0		94.0	25-162		7.19	30	
tert-Butylbenzene	10.5		"	10.0		105	77-138		3.80	30	
Tetrachloroethylene	9.32		"	10.0		93.2	70-130		3.16	20	
Toluene	10.7		"	10.0		107	70-130		5.16	20	
trans-1,2-Dichloroethylene	10.6		"	10.0		106	70-130		4.65	20	
trans-1,3-Dichloropropylene	9.63		"	10.0		96.3	70-130		4.03	20	
Trichloroethylene	10.6		"	10.0		106	70-130		4.36	20	
Trichlorofluoromethane	10.7		"	10.0		107	40-160		1.57	20	
Vinyl Chloride	11.4		"	10.0		114	70-130		3.28	20	
Surrogate: 1,2-Dichloroethane-d4	9.98		"	10.0		99.8	70-130				
Surrogate: Toluene-d8	9.69		"	10.0		96.9	70-130				
Surrogate: p-Bromofluorobenzene	9.80		"	10.0		98.0	70-130				



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
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Batch BE80700 - EPA 5035A

Blank (BE80700-BLK1)

Prepared: 05/14/2018 Analyzed: 05/15/2018

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	"
1,1-Dichloropropylene	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	"
1,3-Dichloropropane	ND	0.0050	"
1,4-Dichlorobenzene	ND	0.0050	"
1,4-Dioxane	ND	0.10	"
2,2-Dichloropropane	ND	0.0050	"
2-Butanone	ND	0.0050	"
2-Chlorotoluene	ND	0.0050	"
2-Hexanone	ND	0.0050	"
4-Chlorotoluene	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	"
Bromobenzene	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	"



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
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Batch BE80700 - EPA 5035A

Blank (BE80700-BLK1)

Prepared: 05/14/2018 Analyzed: 05/15/2018

Isopropylbenzene	ND	0.0050	mg/kg wet								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.010	"								
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	48.4		ug/L	50.0		96.9	77-125				
Surrogate: Toluene-d8	52.1		"	50.0		104	85-120				
Surrogate: p-Bromofluorobenzene	51.1		"	50.0		102	76-130				

LCS (BE80700-BS1)

Prepared & Analyzed: 05/14/2018

1,1,1,2-Tetrachloroethane	47.7		ug/L	50.0		95.3	75-129			30	
1,1,1-Trichloroethane	43.2		"	50.0		86.4	70-130			30	
1,1,2,2-Tetrachloroethane	52.2		"	50.0		104	70-130			30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	51.2		"	50.0		102	70-130			30	
1,1,2-Trichloroethane	50.0		"	50.0		99.9	70-130			30	
1,1-Dichloroethane	47.2		"	50.0		94.4	70-130			30	
1,1-Dichloroethylene	49.8		"	50.0		99.7	70-130			30	
1,1-Dichloropropylene	45.9		"	50.0		91.8	77-127			30	
1,2,3-Trichlorobenzene	46.6		"	50.0		93.3	70-130			30	
1,2,3-Trichloropropane	48.7		"	50.0		97.4	81-126			30	
1,2,4-Trichlorobenzene	44.4		"	50.0		88.8	70-130			30	
1,2,4-Trimethylbenzene	47.1		"	50.0		94.1	84-125			30	
1,2-Dibromo-3-chloropropane	50.4		"	50.0		101	40-160			30	
1,2-Dibromoethane	48.6		"	50.0		97.2	70-130			30	
1,2-Dichlorobenzene	47.5		"	50.0		95.0	70-130			30	
1,2-Dichloroethane	44.4		"	50.0		88.8	70-130			30	
1,2-Dichloropropane	51.8		"	50.0		104	70-130			30	
1,3,5-Trimethylbenzene	46.6		"	50.0		93.2	82-126			30	
1,3-Dichlorobenzene	47.1		"	50.0		94.2	70-130			30	
1,3-Dichloropropane	50.1		"	50.0		100	83-123			30	
1,4-Dichlorobenzene	46.8		"	50.0		93.7	70-130			30	
1,4-Dioxane	1290		"	1050		123	40-160			30	
2,2-Dichloropropane	42.2		"	50.0		84.5	67-136			30	
2-Butanone	48.4		"	50.0		96.8	40-160			30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	Limit	Flag
Batch BE80700 - EPA 5035A											
LCS (BE80700-BS1)						Prepared & Analyzed: 05/14/2018					
2-Chlorotoluene	47.8		ug/L	50.0		95.6	78-127			30	
2-Hexanone	51.9		"	50.0		104	40-160			30	
4-Chlorotoluene	46.6		"	50.0		93.3	79-125			30	
4-Methyl-2-pentanone	52.9		"	50.0		106	40-160			30	
Acetone	35.9		"	50.0		71.8	40-160			30	
Acrolein	49.7		"	50.0		99.4	10-238			30	
Acrylonitrile	48.4		"	50.0		96.7	66-141			30	
Benzene	44.6		"	50.0		89.1	70-130			30	
Bromobenzene	50.3		"	50.0		101	77-129			30	
Bromochloromethane	47.6		"	50.0		95.1	70-130			30	
Bromodichloromethane	48.8		"	50.0		97.6	70-130			30	
Bromoform	50.3		"	50.0		101	70-130			30	
Bromomethane	49.5		"	50.0		99.0	40-160			30	
Carbon disulfide	57.9		"	50.0		116	40-160			30	
Carbon tetrachloride	43.8		"	50.0		87.7	70-130			30	
Chlorobenzene	45.7		"	50.0		91.4	70-130			30	
Chloroethane	54.2		"	50.0		108	51-142			30	
Chloroform	45.5		"	50.0		91.0	70-130			30	
Chloromethane	50.9		"	50.0		102	49-132			30	
cis-1,2-Dichloroethylene	43.2		"	50.0		86.4	70-130			30	
cis-1,3-Dichloropropylene	48.6		"	50.0		97.2	70-130			30	
Cyclohexane	49.2		"	50.0		98.5	70-130			30	
Dibromochloromethane	49.5		"	50.0		99.0	70-130			30	
Dibromomethane	50.1		"	50.0		100	83-124			30	
Dichlorodifluoromethane	59.0		"	50.0		118	40-160			30	
Ethyl Benzene	46.9		"	50.0		93.8	70-130			30	
Hexachlorobutadiene	50.4		"	50.0		101	83-133			30	
Isopropylbenzene	46.6		"	50.0		93.1	70-130			30	
Methyl acetate	45.5		"	50.0		90.9	70-130			30	
Methyl tert-butyl ether (MTBE)	46.9		"	50.0		93.7	70-130			30	
Methylcyclohexane	50.5		"	50.0		101	70-130			30	
Methylene chloride	40.1		"	50.0		80.2	70-130			30	
n-Butylbenzene	46.7		"	50.0		93.4	80-130			30	
n-Propylbenzene	47.2		"	50.0		94.4	74-136			30	
o-Xylene	48.0		"	50.0		95.9	70-130			30	
p- & m- Xylenes	93.3		"	100		93.3	70-130			30	
p-Isopropyltoluene	45.6		"	50.0		91.3	85-125			30	
sec-Butylbenzene	48.4		"	50.0		96.9	83-125			30	
Styrene	44.8		"	50.0		89.5	70-130			30	
tert-Butyl alcohol (TBA)	243		"	250		97.2	70-130			30	
tert-Butylbenzene	46.3		"	50.0		92.6	80-127			30	
Tetrachloroethylene	45.3		"	50.0		90.6	70-130			30	
Toluene	47.2		"	50.0		94.4	70-130			30	
trans-1,2-Dichloroethylene	46.6		"	50.0		93.2	70-130			30	
trans-1,3-Dichloropropylene	47.0		"	50.0		94.0	70-130			30	
Trichloroethylene	49.0		"	50.0		97.9	70-130			30	
Trichlorofluoromethane	47.0		"	50.0		94.1	40-160			30	
Vinyl Chloride	54.7		"	50.0		109	70-130			30	
Surrogate: 1,2-Dichloroethane-d4	49.0		"	50.0		98.1	77-125				
Surrogate: Toluene-d8	52.7		"	50.0		105	85-120				
Surrogate: p-Bromofluorobenzene	50.7		"	50.0		101	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 BE80700 - EPA 5035A											
LCS (BE80700-BS1)						Prepared & Analyzed: 05/14/2018					
LCS Dup (BE80700-BSD1)						Prepared: 05/14/2018 Analyzed: 05/15/2018					
1,1,1,2-Tetrachloroethane	45.5		ug/L	50.0		91.0	75-129		4.68	30	
1,1,1-Trichloroethane	42.0		"	50.0		84.1	70-130		2.79	30	
1,1,2,2-Tetrachloroethane	49.9		"	50.0		99.7	70-130		4.53	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	50.2		"	50.0		100	70-130		2.11	30	
1,1,2-Trichloroethane	46.8		"	50.0		93.7	70-130		6.45	30	
1,1-Dichloroethane	46.0		"	50.0		92.0	70-130		2.53	30	
1,1-Dichloroethylene	47.9		"	50.0		95.9	70-130		3.87	30	
1,1-Dichloropropylene	44.6		"	50.0		89.2	77-127		2.81	30	
1,2,3-Trichlorobenzene	44.6		"	50.0		89.1	70-130		4.54	30	
1,2,3-Trichloropropane	44.6		"	50.0		89.3	81-126		8.72	30	
1,2,4-Trichlorobenzene	41.9		"	50.0		83.9	70-130		5.68	30	
1,2,4-Trimethylbenzene	44.7		"	50.0		89.4	84-125		5.14	30	
1,2-Dibromo-3-chloropropane	50.4		"	50.0		101	40-160		0.0397	30	
1,2-Dibromoethane	45.6		"	50.0		91.1	70-130		6.46	30	
1,2-Dichlorobenzene	45.8		"	50.0		91.6	70-130		3.64	30	
1,2-Dichloroethane	43.4		"	50.0		86.8	70-130		2.30	30	
1,2-Dichloropropane	49.0		"	50.0		98.1	70-130		5.45	30	
1,3,5-Trimethylbenzene	44.6		"	50.0		89.3	82-126		4.34	30	
1,3-Dichlorobenzene	44.5		"	50.0		89.0	70-130		5.72	30	
1,3-Dichloropropane	47.8		"	50.0		95.6	83-123		4.64	30	
1,4-Dichlorobenzene	43.4		"	50.0		86.9	70-130		7.58	30	
1,4-Dioxane	1370		"	1050		130	40-160		6.15	30	
2,2-Dichloropropane	41.3		"	50.0		82.6	67-136		2.28	30	
2-Butanone	46.6		"	50.0		93.1	40-160		3.92	30	
2-Chlorotoluene	44.6		"	50.0		89.1	78-127		7.06	30	
2-Hexanone	50.7		"	50.0		101	40-160		2.26	30	
4-Chlorotoluene	43.2		"	50.0		86.4	79-125		7.59	30	
4-Methyl-2-pentanone	50.6		"	50.0		101	40-160		4.40	30	
Acetone	37.0		"	50.0		74.0	40-160		3.07	30	
Acrolein	48.8		"	50.0		97.5	10-238		1.93	30	
Acrylonitrile	49.3		"	50.0		98.6	66-141		1.90	30	
Benzene	43.5		"	50.0		86.9	70-130		2.45	30	
Bromobenzene	47.5		"	50.0		95.0	77-129		5.85	30	
Bromochloromethane	45.9		"	50.0		91.9	70-130		3.51	30	
Bromodichloromethane	47.2		"	50.0		94.4	70-130		3.37	30	
Bromoform	47.4		"	50.0		94.7	70-130		6.00	30	
Bromomethane	49.2		"	50.0		98.4	40-160		0.567	30	
Carbon disulfide	57.8		"	50.0		116	40-160		0.190	30	
Carbon tetrachloride	42.6		"	50.0		85.2	70-130		2.82	30	
Chlorobenzene	43.9		"	50.0		87.8	70-130		3.95	30	
Chloroethane	54.0		"	50.0		108	51-142		0.240	30	
Chloroform	43.6		"	50.0		87.3	70-130		4.22	30	
Chloromethane	51.8		"	50.0		104	49-132		1.89	30	
cis-1,2-Dichloroethylene	42.5		"	50.0		85.0	70-130		1.54	30	
cis-1,3-Dichloropropylene	46.3		"	50.0		92.5	70-130		4.87	30	
Cyclohexane	48.3		"	50.0		96.6	70-130		1.91	30	
Dibromochloromethane	47.4		"	50.0		94.9	70-130		4.23	30	
Dibromomethane	47.4		"	50.0		94.9	83-124		5.43	30	
Dichlorodifluoromethane	61.3		"	50.0		123	40-160		3.89	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
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Batch BE80700 - EPA 5035A

LCS Dup (BE80700-BSD1)

Prepared: 05/14/2018 Analyzed: 05/15/2018

Ethyl Benzene	45.4		ug/L	50.0		90.8	70-130		3.34	30	
Hexachlorobutadiene	49.8		"	50.0		99.5	83-133		1.20	30	
Isopropylbenzene	43.7		"	50.0		87.4	70-130		6.29	30	
Methyl acetate	48.9		"	50.0		97.9	70-130		7.35	30	
Methyl tert-butyl ether (MTBE)	45.6		"	50.0		91.3	70-130		2.66	30	
Methylcyclohexane	47.8		"	50.0		95.6	70-130		5.46	30	
Methylene chloride	39.5		"	50.0		79.0	70-130		1.43	30	
n-Butylbenzene	43.8		"	50.0		87.5	80-130		6.48	30	
n-Propylbenzene	44.1		"	50.0		88.3	74-136		6.72	30	
o-Xylene	45.9		"	50.0		91.7	70-130		4.45	30	
p- & m- Xylenes	89.8		"	100		89.8	70-130		3.78	30	
p-Isopropyltoluene	43.5		"	50.0		87.1	85-125		4.73	30	
sec-Butylbenzene	46.2		"	50.0		92.5	83-125		4.67	30	
Styrene	44.0		"	50.0		87.9	70-130		1.85	30	
tert-Butyl alcohol (TBA)	252		"	250		101	70-130		3.44	30	
tert-Butylbenzene	43.5		"	50.0		87.1	80-127		6.21	30	
Tetrachloroethylene	42.7		"	50.0		85.4	70-130		5.95	30	
Toluene	44.8		"	50.0		89.7	70-130		5.19	30	
trans-1,2-Dichloroethylene	45.2		"	50.0		90.3	70-130		3.12	30	
trans-1,3-Dichloropropylene	44.8		"	50.0		89.6	70-130		4.79	30	
Trichloroethylene	45.9		"	50.0		91.7	70-130		6.54	30	
Trichlorofluoromethane	46.2		"	50.0		92.5	40-160		1.72	30	
Vinyl Chloride	54.8		"	50.0		110	70-130		0.329	30	
Surrogate: 1,2-Dichloroethane-d4	48.6		"	50.0		97.2	77-125				
Surrogate: Toluene-d8	51.7		"	50.0		103	85-120				
Surrogate: p-Bromofluorobenzene	49.8		"	50.0		99.7	76-130				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE80726 - EPA 3550C

Blank (BE80726-BLK1)

Prepared: 05/14/2018 Analyzed: 05/15/2018

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	0.0380	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
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Batch BE80726 - EPA 3550C

Blank (BE80726-BLK1)

Prepared: 05/14/2018 Analyzed: 05/15/2018

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	"								
Pyridine	ND	0.167	"								
Surrogate: 2-Fluorophenol	1.06		"	1.29		82.1	20-108				
Surrogate: Phenol-d5	1.09		"	1.27		86.0	23-114				
Surrogate: Nitrobenzene-d5	0.699		"	0.833		83.9	22-108				
Surrogate: 2-Fluorobiphenyl	0.690		"	0.830		83.1	21-113				
Surrogate: 2,4,6-Tribromophenol	1.50		"	1.31		115	19-110				
Surrogate: Terphenyl-d14	0.577		"	0.837		69.0	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE80726 - EPA 3550C											
LCS (BE80726-BS1)						Prepared: 05/14/2018 Analyzed: 05/15/2018					
1,1-Biphenyl	0.679	0.0417	mg/kg wet	0.833		81.5	18-111				
1,2,4,5-Tetrachlorobenzene	0.798	0.0833	"	0.833		95.7	21-131				
1,2,4-Trichlorobenzene	0.736	0.0417	"	0.833		88.3	10-140				
1,2-Dichlorobenzene	0.670	0.0417	"	0.833		80.4	34-108				
1,2-Diphenylhydrazine (as Azobenzene)	0.583	0.0417	"	0.833		70.0	17-137				
1,3-Dichlorobenzene	0.673	0.0417	"	0.833		80.8	33-110				
1,4-Dichlorobenzene	0.666	0.0417	"	0.833		79.9	32-104				
2,3,4,6-Tetrachlorophenol	1.54	0.0833	"	0.833		184	30-130	High Bias			
2,4,5-Trichlorophenol	0.773	0.0417	"	0.833		92.8	27-118				
2,4,6-Trichlorophenol	0.847	0.0417	"	0.833		102	31-120				
2,4-Dichlorophenol	0.850	0.0417	"	0.833		102	20-127				
2,4-Dimethylphenol	0.856	0.0417	"	0.833		103	14-132				
2,4-Dinitrophenol	1.34	0.0833	"	0.833		160	10-171				
2,4-Dinitrotoluene	0.915	0.0417	"	0.833		110	34-131				
2,6-Dinitrotoluene	0.907	0.0417	"	0.833		109	31-128				
2-Chloronaphthalene	0.705	0.0417	"	0.833		84.6	31-117				
2-Chlorophenol	0.770	0.0417	"	0.833		92.4	33-113				
2-Methylnaphthalene	0.811	0.0417	"	0.833		97.3	12-138				
2-Methylphenol	0.773	0.0417	"	0.833		92.7	10-136				
2-Nitroaniline	0.966	0.0833	"	0.833		116	27-132				
2-Nitrophenol	1.08	0.0417	"	0.833		129	17-129				
3- & 4-Methylphenols	0.672	0.0417	"	0.833		80.6	29-103				
3,3-Dichlorobenzidine	0.754	0.0417	"	0.833		90.5	22-149				
3-Nitroaniline	0.823	0.0833	"	0.833		98.7	20-133				
4,6-Dinitro-2-methylphenol	1.28	0.0833	"	0.833		154	10-143	High Bias			
4-Bromophenyl phenyl ether	0.758	0.0417	"	0.833		91.0	29-120				
4-Chloro-3-methylphenol	0.763	0.0417	"	0.833		91.5	24-129				
4-Chloroaniline	0.632	0.0417	"	0.833		75.8	10-132				
4-Chlorophenyl phenyl ether	0.708	0.0417	"	0.833		85.0	27-124				
4-Nitroaniline	0.907	0.0833	"	0.833		109	16-128				
4-Nitrophenol	0.805	0.0833	"	0.833		96.6	10-141				
Acenaphthene	0.743	0.0417	"	0.833		89.1	30-121				
Acenaphthylene	0.744	0.0417	"	0.833		89.3	30-115				
Acetophenone	0.605	0.0417	"	0.833		72.6	20-112				
Aniline	0.488	0.167	"	0.833		58.6	10-119				
Anthracene	0.798	0.0417	"	0.833		95.8	34-118				
Atrazine	0.702	0.0417	"	0.833		84.2	26-112				
Benzaldehyde	0.676	0.0417	"	0.833		81.1	21-100				
Benzo(a)anthracene	0.811	0.0417	"	0.833		97.3	32-122				
Benzo(a)pyrene	0.881	0.0417	"	0.833		106	29-133				
Benzo(b)fluoranthene	0.840	0.0417	"	0.833		101	25-133				
Benzo(g,h,i)perylene	0.912	0.0417	"	0.833		109	10-143				
Benzo(k)fluoranthene	0.779	0.0417	"	0.833		93.4	25-128				
Benzoic acid	0.369	0.0417	"	0.847		43.6	10-140				
Benzyl alcohol	0.735	0.0417	"	0.833		88.2	30-115				
Benzyl butyl phthalate	0.784	0.0417	"	0.833		94.0	26-126				
Bis(2-chloroethoxy)methane	0.799	0.0417	"	0.833		95.9	19-132				
Bis(2-chloroethyl)ether	0.733	0.0417	"	0.833		88.0	19-125				
Bis(2-chloroisopropyl)ether	0.833	0.0417	"	0.833		100	20-135				
Bis(2-ethylhexyl)phthalate	0.804	0.0417	"	0.833		96.4	10-155				
Caprolactam	0.806	0.0833	"	0.833		96.8	10-127				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

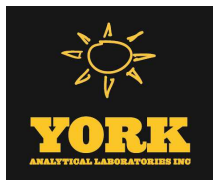
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE80726 - EPA 3550C

LCS (BE80726-BS1)

Prepared: 05/14/2018 Analyzed: 05/15/2018

Carbazole	0.740	0.0417	mg/kg wet	0.833		88.8	35-123				
Chrysene	0.748	0.0417	"	0.833		89.8	32-123				
Dibenzo(a,h)anthracene	0.894	0.0417	"	0.833		107	10-136				
Dibenzofuran	0.756	0.0417	"	0.833		90.7	29-121				
Diethyl phthalate	0.655	0.0417	"	0.833		78.6	34-116				
Dimethyl phthalate	0.705	0.0417	"	0.833		84.6	35-124				
Di-n-butyl phthalate	0.719	0.0417	"	0.833		86.3	31-116				
Di-n-octyl phthalate	0.961	0.0417	"	0.833		115	26-136				
Fluoranthene	0.791	0.0417	"	0.833		94.9	33-122				
Fluorene	0.763	0.0417	"	0.833		91.6	29-123				
Hexachlorobenzene	0.566	0.0417	"	0.833		67.9	21-124				
Hexachlorobutadiene	0.642	0.0417	"	0.833		77.1	10-149				
Hexachlorocyclopentadiene	0.420	0.0417	"	0.833		50.4	10-129				
Hexachloroethane	0.607	0.0417	"	0.833		72.9	28-108				
Indeno(1,2,3-cd)pyrene	0.688	0.0417	"	0.833		82.6	10-135				
Isophorone	0.648	0.0417	"	0.833		77.8	20-132				
Naphthalene	0.817	0.0417	"	0.833		98.1	23-124				
Nitrobenzene	0.682	0.0417	"	0.833		81.8	13-132				
N-Nitrosodimethylamine	0.642	0.0417	"	0.833		77.1	11-129				
N-nitroso-di-n-propylamine	0.532	0.0417	"	0.833		63.8	24-119				
N-Nitrosodiphenylamine	0.828	0.0417	"	0.833		99.4	22-152				
Pentachlorophenol	0.842	0.0417	"	0.833		101	10-139				
Phenanthrene	0.773	0.0417	"	0.833		92.7	33-123				
Phenol	0.766	0.0417	"	0.833		92.0	23-115				
Pyrene	0.736	0.0417	"	0.833		88.3	32-130				
Pyridine	0.606	0.167	"	0.833		72.7	10-91				
Surrogate: 2-Fluorophenol	1.05		"	1.29		81.5	20-108				
Surrogate: Phenol-d5	1.14		"	1.27		89.6	23-114				
Surrogate: Nitrobenzene-d5	0.692		"	0.833		83.1	22-108				
Surrogate: 2-Fluorobiphenyl	0.679		"	0.830		81.8	21-113				
Surrogate: 2,4,6-Tribromophenol	1.48		"	1.31		114	19-110				
Surrogate: Terphenyl-d14	0.553		"	0.837		66.1	24-116				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE80671 - EPA 3550C

Blank (BE80671-BLK1)

Prepared: 05/14/2018 Analyzed: 05/15/2018

4,4'-DDD	ND	0.000330	mg/kg wet								
4,4'-DDE	ND	0.000330	"								
4,4'-DDT	ND	0.000330	"								
Aldrin	ND	0.000330	"								
alpha-BHC	ND	0.000330	"								
alpha-Chlordane	ND	0.000330	"								
beta-BHC	ND	0.000330	"								
Chlordane, total	ND	0.00660	"								
delta-BHC	ND	0.000330	"								
Dieldrin	ND	0.000330	"								
Endosulfan I	ND	0.000330	"								
Endosulfan II	ND	0.000330	"								
Endosulfan sulfate	ND	0.000330	"								
Endrin	ND	0.000330	"								
Endrin aldehyde	ND	0.000330	"								
Endrin ketone	ND	0.000330	"								
gamma-BHC (Lindane)	ND	0.000330	"								
gamma-Chlordane	ND	0.000330	"								
Heptachlor	ND	0.000330	"								
Heptachlor epoxide	ND	0.000330	"								
Methoxychlor	ND	0.00165	"								
Toxaphene	ND	0.0167	"								
Surrogate: Decachlorobiphenyl	0.0774		"	0.0697		111	30-150				
Surrogate: Tetrachloro-m-xylene	0.0734		"	0.0673		109	30-150				

LCS (BE80671-BS1)

Prepared & Analyzed: 05/14/2018

4,4'-DDD	0.0446	0.000330	mg/kg wet	0.0333		134	40-140				
4,4'-DDE	0.0455	0.000330	"	0.0333		136	40-140				
4,4'-DDT	0.0433	0.000330	"	0.0333		130	40-140				
Aldrin	0.0397	0.000330	"	0.0333		119	40-140				
alpha-BHC	0.0408	0.000330	"	0.0333		122	40-140				
alpha-Chlordane	0.0365	0.000330	"	0.0333		109	40-140				
beta-BHC	0.0454	0.000330	"	0.0333		136	40-140				
delta-BHC	0.0448	0.000330	"	0.0333		134	40-140				
Dieldrin	0.0397	0.000330	"	0.0333		119	40-140				
Endosulfan I	0.0371	0.000330	"	0.0333		111	40-140				
Endosulfan II	0.0389	0.000330	"	0.0333		117	40-140				
Endosulfan sulfate	0.0416	0.000330	"	0.0333		125	40-140				
Endrin	0.0393	0.000330	"	0.0333		118	40-140				
Endrin aldehyde	0.0410	0.000330	"	0.0333		123	40-140				
Endrin ketone	0.0404	0.000330	"	0.0333		121	40-140				
gamma-BHC (Lindane)	0.0401	0.000330	"	0.0333		120	40-140				
gamma-Chlordane	0.0361	0.000330	"	0.0333		108	40-140				
Heptachlor	0.0357	0.000330	"	0.0333		107	40-140				
Heptachlor epoxide	0.0364	0.000330	"	0.0333		109	40-140				
Methoxychlor	0.0420	0.00165	"	0.0333		126	40-140				
Surrogate: Decachlorobiphenyl	0.0759		"	0.0697		109	30-150				
Surrogate: Tetrachloro-m-xylene	0.0723		"	0.0673		107	30-150				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch Y8E0321 - BE80076

Performance Mix (Y8E0321-PEM1)

Prepared & Analyzed: 05/03/2018

4,4'-DDD	0.00		ng/mL	0.00			0-200			
4,4'-DDE	0.946		"	0.00			0-200			
4,4'-DDT	214		"	200		107	0-200			
Endrin	124		"	100		124	0-200			
Endrin aldehyde	1.48		"	0.00			0-200			
Endrin ketone	3.92		"	0.00			0-200			

Batch Y8E1506 - BE80295

Performance Mix (Y8E1506-PEM1)

Prepared & Analyzed: 05/14/2018

4,4'-DDD	0.00		ng/mL	0.00			0-200			
4,4'-DDE	1.22		"	0.00			0-200			
4,4'-DDT	128		"	200		63.8	0-200			
Endrin	92.3		"	100		92.3	0-200			
Endrin aldehyde	1.32		"	0.00			0-200			
Endrin ketone	5.89		"	0.00			0-200			

Performance Mix (Y8E1506-PEM2)

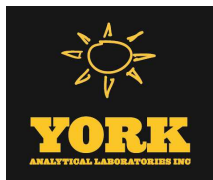
Prepared & Analyzed: 05/14/2018

4,4'-DDD	0.00		ng/mL	0.00			0-200			
4,4'-DDE	1.13		"	0.00			0-200			
4,4'-DDT	190		"	200		95.0	0-200			
Endrin	120		"	100		120	0-200			
Endrin aldehyde	1.36		"	0.00			0-200			
Endrin ketone	6.41		"	0.00			0-200			

Performance Mix (Y8E1506-PEM3)

Prepared: 05/14/2018 Analyzed: 05/15/2018

4,4'-DDD	0.00		ng/mL	0.00			0-200			
4,4'-DDE	1.49		"	0.00			0-200			
4,4'-DDT	236		"	200		118	0-200			
Endrin	140		"	100		140	0-200			
Endrin aldehyde	1.07		"	0.00			0-200			
Endrin ketone	6.07		"	0.00			0-200			



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch Y8E1603 - BE80295

Performance Mix (Y8E1603-PEM1)

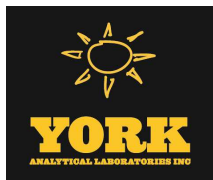
Prepared & Analyzed: 05/15/2018

4,4'-DDD	0.00		ng/mL	0.00			0-200			
4,4'-DDE	1.71		"	0.00			0-200			
4,4'-DDT	191		"	200		95.7	0-200			
Endrin	122		"	100		122	0-200			
Endrin aldehyde	1.17		"	0.00			0-200			
Endrin ketone	6.97		"	0.00			0-200			

Performance Mix (Y8E1603-PEM2)

Prepared & Analyzed: 05/15/2018

4,4'-DDD	0.00		ng/mL	0.00			0-200			
4,4'-DDE	1.98		"	0.00			0-200			
4,4'-DDT	232		"	200		116	0-200			
Endrin	137		"	100		137	0-200			
Endrin aldehyde	1.40		"	0.00			0-200			
Endrin ketone	6.84		"	0.00			0-200			



Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE80671 - EPA 3550C

Blank (BE80671-BLK2)

Prepared & Analyzed: 05/14/2018

Aroclor 1016	ND	0.0167	mg/kg wet
Aroclor 1221	ND	0.0167	"
Aroclor 1232	ND	0.0167	"
Aroclor 1242	ND	0.0167	"
Aroclor 1248	ND	0.0167	"
Aroclor 1254	ND	0.0167	"
Aroclor 1260	ND	0.0167	"
Total PCBs	ND	0.0167	"

Surrogate: Tetrachloro-m-xylene	0.0617	"	0.0673	91.6	30-120
Surrogate: Decachlorobiphenyl	0.0407	"	0.0697	58.4	30-120

LCS (BE80671-BS2)

Prepared & Analyzed: 05/14/2018

Aroclor 1016	0.350	0.0167	mg/kg wet	0.333	105	40-130
Aroclor 1260	0.258	0.0167	"	0.333	77.3	40-120
Surrogate: Tetrachloro-m-xylene	0.0630		"	0.0673	93.6	30-120
Surrogate: Decachlorobiphenyl	0.0427		"	0.0697	61.2	30-120



Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE80534 - EPA 3050B

Blank (BE80534-BLK1)

Prepared: 05/10/2018 Analyzed: 05/14/2018

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	ND	0.500	"
Iron	ND	2.00	"
Lead	ND	0.500	"
Magnesium	ND	5.00	"
Manganese	ND	0.500	"
Nickel	ND	0.500	"
Potassium	12.0	5.00	"
Selenium	ND	1.00	"
Silver	ND	0.500	"
Sodium	13.2	10.0	"
Thallium	ND	1.00	"
Vanadium	ND	1.00	"
Zinc	ND	1.50	"

Reference (BE80534-SRM1)

Prepared: 05/10/2018 Analyzed: 05/14/2018

Aluminum	7790	5.00	mg/kg wet	8040	96.9	39.4-160.5
Antimony	103	0.500	"	91.4	112	25.1-275.7
Arsenic	156	1.00	"	146	107	69.9-132.9
Barium	99.6	1.00	"	102	97.6	71.5-136.3
Beryllium	150	0.100	"	134	112	75.4-138.1
Cadmium	68.8	0.300	"	63.2	109	73.3-141.5
Calcium	6400	5.00	"	5930	108	73.7-136.1
Chromium	96.8	0.500	"	89.3	108	69.1-143.3
Cobalt	136	0.500	"	119	114	74.6-142
Copper	68.7	0.500	"	60.8	113	72.7-141.6
Iron	13100	2.00	"	14400	91.0	35.6-163.9
Lead	105	0.500	"	98.5	107	70.8-137.1
Magnesium	2660	5.00	"	2580	103	63.6-136.1
Manganese	399	0.500	"	370	108	75.7-134.3
Nickel	82.5	0.500	"	66.6	124	70.7-146.3
Potassium	2420	5.00	"	2340	104	59.8-140.2
Selenium	126	1.00	"	136	92.6	67.1-136.8
Silver	51.0	0.500	"	48.9	104	66.5-139.5
Sodium	359	10.0	"	318	113	40.6-159.8
Thallium	151	1.00	"	138	109	68-136.2
Vanadium	70.8	1.00	"	69.7	102	58.9-141.8
Zinc	192	1.50	"	177	109	69.5-131.1



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
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Batch BE80610 - EPA 7473 soil

Blank (BE80610-BLK1)

Prepared & Analyzed: 05/11/2018

Mercury	ND	0.0300	mg/kg wet
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Reference (BE80610-SRM1)

Prepared & Analyzed: 05/11/2018

Mercury	12.251		mg/kg	13.8	88.8	57.1-143.5
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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
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Batch BE80611 - EPA SW846-3060

Blank (BE80611-BLK1)

Prepared & Analyzed: 05/11/2018

Chromium, Hexavalent ND 0.500 mg/kg wet

Reference (BE80611-SRM1)

Prepared & Analyzed: 05/11/2018

Chromium, Hexavalent 24.5 mg/L 76.9 31.9 20.3-212



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
18E0487-01	021/LSB-12A	40mL Vial with Stir Bar-Cool 4° C
18E0487-02	022/LSB-12B	40mL Vial with Stir Bar-Cool 4° C
18E0487-03	023/LSB-10A	40mL Vial with Stir Bar-Cool 4° C
18E0487-04	024/LSB-10B	40mL Vial with Stir Bar-Cool 4° C
18E0487-05	025/LSB-13A	40mL Vial with Stir Bar-Cool 4° C
18E0487-06	026/LSB-13B	40mL Vial with Stir Bar-Cool 4° C
18E0487-07	027/LSB-8A	40mL Vial with Stir Bar-Cool 4° C
18E0487-08	028/LSB-8B	40mL Vial with Stir Bar-Cool 4° C
18E0487-09	029/TB-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

S-GC	Two surrogates are used for this analysis. One surrogate recovered within control limits therefore the analysis is acceptable.
SCAL-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%).
S-08	The recovery of this surrogate was outside of QC limits.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
M-MBLk	Analyte was detected in the batch method blank above the Reporting Limit.
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.
GC-Surr	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the alternate surrogate.
GC-SCu	This surrogate recovered below control limits due to extract clean-up required. The alternate surrogate, Decachlorobiphenyl is within control limits.
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.



Technical Report

prepared for:

Langan Engineering & Environmental Services (NJ)

300 Kimball Drive

Parsipanny NJ, 07054

Attention: Amanda Forsburg

Report Date: 05/21/2018

Client Project ID: 100688801

York Project (SDG) No.: 18E0514

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

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RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 05/21/2018
Client Project ID: 100688801
York Project (SDG) No.: 18E0514

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 May 10, 2018 and listed below. The project was identified as your project: **100688801**.

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>
18E0514-01	030/LSB-11A	Soil	05/09/2018	05/10/2018
18E0514-03	032/LSB-11C	Soil	05/09/2018	05/10/2018
18E0514-04	033/LSB-9A	Soil	05/09/2018	05/10/2018
18E0514-05	034/LSB-9B	Soil	05/09/2018	05/10/2018
18E0514-06	035/TB-3	Water	05/09/2018	05/10/2018

General Notes for York Project (SDG) No.: 18E0514

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: 05/21/2018





Sample Information

Client Sample ID: 030/LSB-11A

York Sample ID: 18E0514-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0514

100688801

Soil

May 9, 2018 2:55 pm

05/10/2018

Volatiles, 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	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 22:10	RDS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 22:10	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 22:10	RDS
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,NELAC-NY12058,NJDEP	05/17/2018 07:30	05/17/2018 22:10	RDS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 22:10	RDS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 22:10	RDS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 22:10	RDS
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 22:10	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 22:10	RDS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/17/2018 07:30	05/17/2018 22:10	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 22:10	RDS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 22:10	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 22:10	RDS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 22:10	RDS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 22:10	RDS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 22:10	RDS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 22:10	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 22:10	RDS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 22:10	RDS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 22:10	RDS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 22:10	RDS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.047	0.095	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 22:10	RDS



Sample Information

Client Sample ID: 030/LSB-11A

York Sample ID: 18E0514-01

York Project (SDG) No.

18E0514

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May 9, 2018 2:55 pm

Date Received

05/10/2018

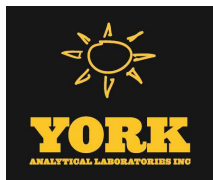
Volatiles, 8260 Comprehensive

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
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	05/17/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP	05/17/2018 22:10	RDS
78-93-3	2-Butanone	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	05/17/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 22:10	RDS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	05/17/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 22:10	RDS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	05/17/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 22:10	RDS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	05/17/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 22:10	RDS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	05/17/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 22:10	RDS
67-64-1	Acetone	0.0061	CCV-E, SCAL- E, J	mg/kg dry	0.0047	0.0095	1	EPA 8260C Certifications:	05/17/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 22:10	RDS
107-02-8	Acrolein	ND		mg/kg dry	0.0047	0.0095	1	EPA 8260C Certifications:	05/17/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 22:10	RDS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	05/17/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 22:10	RDS
71-43-2	Benzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	05/17/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 22:10	RDS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	05/17/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 22:10	RDS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	05/17/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 22:10	RDS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	05/17/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 22:10	RDS
75-25-2	Bromoform	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	05/17/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 22:10	RDS
74-83-9	Bromomethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	05/17/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 22:10	RDS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	05/17/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 22:10	RDS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	05/17/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 22:10	RDS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	05/17/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 22:10	RDS
75-00-3	Chloroethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	05/17/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 22:10	RDS
67-66-3	Chloroform	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	05/17/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 22:10	RDS
74-87-3	Chloromethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	05/17/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 22:10	RDS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	05/17/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 22:10	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	05/17/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 22:10	RDS



Sample Information

Client Sample ID: 030/LSB-11A

York Sample ID: 18E0514-01

York Project (SDG) No.

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Client Project ID

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May 9, 2018 2:55 pm

Date Received

05/10/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
110-82-7	Cyclohexane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	05/17/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 22:10	RDS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	05/17/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 22:10	RDS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	05/17/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 22:10	RDS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	05/17/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 22:10	RDS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	05/17/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 22:10	RDS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	05/17/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 22:10	RDS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	05/17/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 22:10	RDS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	05/17/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 22:10	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	05/17/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 22:10	RDS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	05/17/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 22:10	RDS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0047	0.0095	1	EPA 8260C Certifications:	05/17/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 22:10	RDS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	05/17/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 22:10	RDS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	05/17/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 22:10	RDS
95-47-6	o-Xylene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	05/17/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 22:10	RDS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0047	0.0095	1	EPA 8260C Certifications:	05/17/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 22:10	RDS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	05/17/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 22:10	RDS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	05/17/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 22:10	RDS
100-42-5	Styrene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	05/17/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 22:10	RDS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	05/17/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 22:10	RDS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	05/17/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 22:10	RDS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	05/17/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 22:10	RDS
108-88-3	Toluene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	05/17/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 22:10	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications:	05/17/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 22:10	RDS



Sample Information

Client Sample ID: 030/LSB-11A

York Sample ID: 18E0514-01

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100688801

Soil

May 9, 2018 2:55 pm

05/10/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 22:10	RDS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 22:10	RDS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 22:10	RDS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 22:10	RDS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0071	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/17/2018 07:30	05/17/2018 22:10	RDS
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	98.3 %		77-125							
2037-26-5	Surrogate: Toluene-d8	101 %		85-120							
460-00-4	Surrogate: p-Bromofluorobenzene	137 %	S-09	76-130							

Semivolatiles, 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	0.0445	0.0887	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:50	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0887	0.177	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:50	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:50	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/17/2018 13:58	05/21/2018 14:50	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:50	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/17/2018 13:58	05/21/2018 14:50	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/17/2018 13:58	05/21/2018 14:50	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0887	0.177	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:50	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:50	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:50	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:50	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:50	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0887	0.177	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:50	KH



Sample Information

Client Sample ID: 030/LSB-11A

York Sample ID: 18E0514-01

York Project (SDG) No.

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Soil

May 9, 2018 2:55 pm

05/10/2018

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:50	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:50	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:50	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:50	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:50	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:50	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0887	0.177	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:50	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:50	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:50	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:50	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0887	0.177	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:50	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0887	0.177	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:50	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:50	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:50	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:50	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:50	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0887	0.177	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:50	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0887	0.177	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:50	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:50	KH
208-96-8	Acenaphthylene	0.0532	J	mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:50	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:50	KH
62-53-3	Aniline	ND		mg/kg dry	0.178	0.355	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:50	KH
120-12-7	Anthracene	0.117		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:50	KH



Sample Information

Client Sample ID: 030/LSB-11A

York Sample ID: 18E0514-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0514

100688801

Soil

May 9, 2018 2:55 pm

05/10/2018

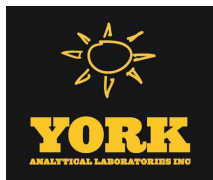
Semivolatiles, 8270 Comprehensive

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
1912-24-9	Atrazine	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:50	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:50	KH
92-87-5	Benzidine	ND		mg/kg dry	0.178	0.355	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	05/17/2018 13:58	05/21/2018 14:50	KH
56-55-3	Benzo(a)anthracene	0.386		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:50	KH
50-32-8	Benzo(a)pyrene	0.454		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:50	KH
205-99-2	Benzo(b)fluoranthene	0.342		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:50	KH
191-24-2	Benzo(g,h,i)perylene	0.355		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:50	KH
207-08-9	Benzo(k)fluoranthene	0.330		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:50	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:50	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:50	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:50	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:50	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:50	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:50	KH
117-81-7	Bis(2-ethylhexyl)phthalate	0.0582	J	mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:50	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0887	0.177	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:50	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:50	KH
218-01-9	Chrysene	0.364		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:50	KH
53-70-3	Dibenzo(a,h)anthracene	0.0922		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:50	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:50	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:50	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:50	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:50	KH



Sample Information

Client Sample ID: 030/LSB-11A

York Sample ID: 18E0514-01

York Project (SDG) No.
18E0514

Client Project ID
100688801

Matrix
Soil

Collection Date/Time
May 9, 2018 2:55 pm

Date Received
05/10/2018

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:50	KH
206-44-0	Fluoranthene	0.561		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:50	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:50	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:50	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:50	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:50	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:50	KH
193-39-5	Indeno(1,2,3-cd)pyrene	0.258		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:50	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:50	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:50	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:50	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:50	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:50	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:50	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:50	KH
85-01-8	Phenanthrene	0.299		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:50	KH
108-95-2	Phenol	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:50	KH
129-00-0	Pyrene	0.698		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:50	KH
110-86-1	Pyridine	ND		mg/kg dry	0.178	0.355	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:50	KH
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	35.5 %	20-108								
4165-62-2	Surrogate: Phenol-d5	48.3 %	23-114								
4165-60-0	Surrogate: Nitrobenzene-d5	40.8 %	22-108								
321-60-8	Surrogate: 2-Fluorobiphenyl	46.5 %	21-113								
118-79-6	Surrogate: 2,4,6-Tribromophenol	85.5 %	19-110								
1718-51-0	Surrogate: Terphenyl-d14	51.7 %	24-116								



Sample Information

Client Sample ID: 030/LSB-11A

York Sample ID: 18E0514-01

York Project (SDG) No.
18E0514

Client Project ID
100688801

Matrix
Soil

Collection Date/Time
May 9, 2018 2:55 pm

Date Received
05/10/2018

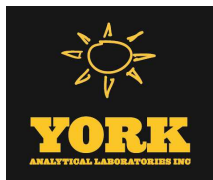
Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 14:06	05/17/2018 10:22	SA
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 14:06	05/17/2018 10:22	SA
50-29-3	4,4'-DDT	0.00673		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 14:06	05/17/2018 10:22	SA
309-00-2	Aldrin	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 14:06	05/17/2018 10:22	SA
319-84-6	alpha-BHC	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 14:06	05/17/2018 10:22	SA
5103-71-9	alpha-Chlordane	0.00328		mg/kg dry	0.00176	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/15/2018 14:06	05/17/2018 10:22	SA
319-85-7	beta-BHC	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 14:06	05/17/2018 10:22	SA
57-74-9	Chlordane, total	ND		mg/kg dry	0.0351	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 14:06	05/17/2018 10:22	SA
319-86-8	delta-BHC	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 14:06	05/17/2018 10:22	SA
60-57-1	Dieldrin	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 14:06	05/17/2018 10:22	SA
959-98-8	Endosulfan I	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 14:06	05/17/2018 10:22	SA
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	05/15/2018 14:06	05/17/2018 10:22	SA
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 14:06	05/17/2018 10:22	SA
72-20-8	Endrin	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 14:06	05/17/2018 10:22	SA
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 14:06	05/17/2018 10:22	SA
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 14:06	05/17/2018 10:22	SA
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 14:06	05/17/2018 10:22	SA
5566-34-7	gamma-Chlordane	0.00372		mg/kg dry	0.00176	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/15/2018 14:06	05/17/2018 10:22	SA
76-44-8	Heptachlor	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 14:06	05/17/2018 10:22	SA
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 14:06	05/17/2018 10:22	SA
72-43-5	Methoxychlor	ND		mg/kg dry	0.00879	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 14:06	05/17/2018 10:22	SA
8001-35-2	Toxaphene	ND		mg/kg dry	0.0889	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 14:06	05/17/2018 10:22	SA
Surrogate Recoveries		Result	Acceptance Range							



Sample Information

Client Sample ID: 030/LSB-11A

York Sample ID: 18E0514-01

York Project (SDG) No.
18E0514

Client Project ID
100688801

Matrix
Soil

Collection Date/Time
May 9, 2018 2:55 pm

Date Received
05/10/2018

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2051-24-3	Surrogate: Decachlorobiphenyl	75.3 %			30-150					
877-09-8	Surrogate: Tetrachloro-m-xylene	22.0 %	GC-SC		30-150					

Polychlorinated Biphenyls (PCB), 8082 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 14:06	05/16/2018 12:08	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 14:06	05/16/2018 12:08	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 14:06	05/16/2018 12:08	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 14:06	05/16/2018 12:08	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 14:06	05/16/2018 12:08	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 14:06	05/16/2018 12:08	LAB
11096-82-5	Aroclor 1260	0.0393		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 14:06	05/16/2018 12:08	LAB
1336-36-3	* Total PCBs	0.0393		mg/kg dry	0.0177	1	EPA 8082A Certifications:	05/15/2018 14:06	05/16/2018 12:08	LAB
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	52.5 %			30-120					
2051-24-3	Surrogate: Decachlorobiphenyl	45.0 %			30-120					

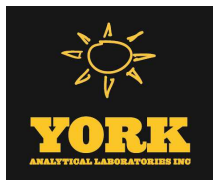
Metals, Target Analyte

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	5490		mg/kg dry	5.34	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 08:32	05/15/2018 14:11	KML
7440-36-0	Antimony	ND		mg/kg dry	0.534	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 08:32	05/15/2018 14:11	KML
7440-38-2	Arsenic	3.17		mg/kg dry	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 08:32	05/15/2018 14:11	KML
7440-39-3	Barium	191		mg/kg dry	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 08:32	05/15/2018 14:11	KML
7440-41-7	Beryllium	0.267		mg/kg dry	0.107	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 08:32	05/15/2018 14:11	KML



Sample Information

Client Sample ID: 030/LSB-11A

York Sample ID: 18E0514-01

York Project (SDG) No.

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18E0514

100688801

Soil

May 9, 2018 2:55 pm

05/10/2018

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	1.14		mg/kg dry	0.321	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 08:32	05/15/2018 14:11	KML
7440-70-2	Calcium	8670		mg/kg dry	5.34	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 08:32	05/15/2018 14:11	KML
7440-47-3	Chromium	14.4		mg/kg dry	0.534	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 08:32	05/15/2018 14:11	KML
7440-48-4	Cobalt	5.41		mg/kg dry	0.534	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 08:32	05/15/2018 14:11	KML
7440-50-8	Copper	80.0		mg/kg dry	0.534	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 08:32	05/15/2018 14:11	KML
7439-89-6	Iron	12500		mg/kg dry	2.14	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 08:32	05/15/2018 14:11	KML
7439-92-1	Lead	241		mg/kg dry	0.534	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 08:32	05/15/2018 14:11	KML
7439-95-4	Magnesium	3360		mg/kg dry	5.34	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 08:32	05/15/2018 14:11	KML
7439-96-5	Manganese	161		mg/kg dry	0.534	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 08:32	05/15/2018 14:11	KML
7440-02-0	Nickel	18.0		mg/kg dry	0.534	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 08:32	05/15/2018 14:11	KML
7440-09-7	Potassium	669		mg/kg dry	5.34	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 08:32	05/15/2018 14:11	KML
7782-49-2	Selenium	ND		mg/kg dry	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 08:32	05/15/2018 14:11	KML
7440-22-4	Silver	ND		mg/kg dry	0.534	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 08:32	05/15/2018 14:11	KML
7440-23-5	Sodium	149		mg/kg dry	10.7	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/11/2018 08:32	05/15/2018 14:11	KML
7440-28-0	Thallium	ND		mg/kg dry	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 08:32	05/15/2018 14:11	KML
7440-62-2	Vanadium	17.6		mg/kg dry	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 08:32	05/15/2018 14:11	KML
7440-66-6	Zinc	257		mg/kg dry	1.60	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 08:32	05/15/2018 14:11	KML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.176		mg/kg dry	0.0321	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	05/14/2018 08:48	05/14/2018 12:26	SY



Sample Information

Client Sample ID: 030/LSB-11A

York Sample ID: 18E0514-01

York Project (SDG) No.

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100688801

Soil

May 9, 2018 2:55 pm

05/10/2018

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	93.6		%	0.100	1	SM 2540G Certifications: CTDOH	05/16/2018 08:35	05/16/2018 17:57	AD

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	0.534	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	05/14/2018 10:35	05/14/2018 16:58	AD

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	14.4		mg/kg	0.500	1	Calculation Certifications:	05/17/2018 12:07	05/17/2018 14:47	PAM

Sample Information

Client Sample ID: 032/LSB-11C

York Sample ID: 18E0514-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

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100688801

Soil

May 9, 2018 3:00 pm

05/10/2018

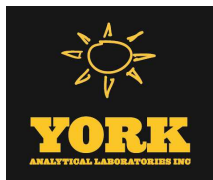
Volatiles, 8260 Comprehensive

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	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 23:11	RDS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 23:11	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 23:11	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/17/2018 07:30	05/17/2018 23:11	RDS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 23:11	RDS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 23:11	RDS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 23:11	RDS



Sample Information

Client Sample ID: 032/LSB-11C

York Sample ID: 18E0514-03

York Project (SDG) No.
18E0514

Client Project ID
100688801

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Collection Date/Time
May 9, 2018 3:00 pm

Date Received
05/10/2018

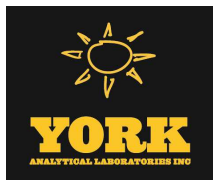
Volatiles, 8260 Comprehensive

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
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 23:11	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 23:11	RDS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/17/2018 07:30	05/17/2018 23:11	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 23:11	RDS
95-63-6	1,2,4-Trimethylbenzene	0.0061	J	mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 23:11	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 23:11	RDS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 23:11	RDS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 23:11	RDS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 23:11	RDS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 23:11	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 23:11	RDS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 23:11	RDS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 23:11	RDS
106-46-7	1,4-Dichlorobenzene	0.059		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 23:11	RDS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.076	0.15	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 23:11	RDS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/17/2018 07:30	05/17/2018 23:11	RDS
78-93-3	2-Butanone	0.047		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 23:11	RDS
95-49-8	2-Chlorotoluene	0.015		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 23:11	RDS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 23:11	RDS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 23:11	RDS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 23:11	RDS
67-64-1	Acetone	0.14	CCV-E, SCAL- E	mg/kg dry	0.0076	0.015	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 23:11	RDS
107-02-8	Acrolein	ND		mg/kg dry	0.0076	0.015	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 23:11	RDS



Sample Information

Client Sample ID: 032/LSB-11C

York Sample ID: 18E0514-03

York Project (SDG) No.

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18E0514

100688801

Soil

May 9, 2018 3:00 pm

05/10/2018

Volatiles, 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
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 23:11	RDS
71-43-2	Benzene	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 23:11	RDS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 23:11	RDS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 23:11	RDS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 23:11	RDS
75-25-2	Bromoform	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 23:11	RDS
74-83-9	Bromomethane	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 23:11	RDS
75-15-0	Carbon disulfide	0.014		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 23:11	RDS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 23:11	RDS
108-90-7	Chlorobenzene	0.0062	J	mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 23:11	RDS
75-00-3	Chloroethane	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 23:11	RDS
67-66-3	Chloroform	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 23:11	RDS
74-87-3	Chloromethane	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 23:11	RDS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 23:11	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 23:11	RDS
110-82-7	Cyclohexane	0.029		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 23:11	RDS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 23:11	RDS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 23:11	RDS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 23:11	RDS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 23:11	RDS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 23:11	RDS
98-82-8	Isopropylbenzene	0.010		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 23:11	RDS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 23:11	RDS



Sample Information

Client Sample ID: 032/LSB-11C

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Collection Date/Time

Date Received

18E0514

100688801

Soil

May 9, 2018 3:00 pm

05/10/2018

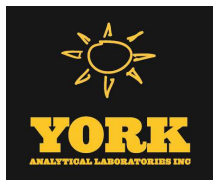
Volatiles, 8260 Comprehensive

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
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 23:11	RDS
108-87-2	Methylcyclohexane	0.094		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 23:11	RDS
75-09-2	Methylene chloride	0.011	J	mg/kg dry	0.0076	0.015	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 23:11	RDS
104-51-8	n-Butylbenzene	0.026		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 23:11	RDS
103-65-1	n-Propylbenzene	0.0099		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 23:11	RDS
95-47-6	o-Xylene	0.0058	J	mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	05/17/2018 07:30	05/17/2018 23:11	RDS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0076	0.015	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	05/17/2018 07:30	05/17/2018 23:11	RDS
99-87-6	p-Isopropyltoluene	0.023		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 23:11	RDS
135-98-8	sec-Butylbenzene	0.026		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 23:11	RDS
100-42-5	Styrene	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 23:11	RDS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 23:11	RDS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 23:11	RDS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 23:11	RDS
108-88-3	Toluene	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 23:11	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 23:11	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 23:11	RDS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 23:11	RDS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 23:11	RDS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0038	0.0076	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 23:11	RDS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.011	0.023	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/17/2018 07:30	05/17/2018 23:11	RDS
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	92.4 %				77-125					
2037-26-5	Surrogate: Toluene-d8	108 %				85-120					
460-00-4	Surrogate: p-Bromofluorobenzene	136 %	S-09			76-130					



Sample Information

Client Sample ID: 032/LSB-11C

York Sample ID: 18E0514-03

York Project (SDG) No.
18E0514

Client Project ID
100688801

Matrix
Soil

Collection Date/Time
May 9, 2018 3:00 pm

Date Received
05/10/2018

Semivolatiles, 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	0.0488	0.0974	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:19	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0974	0.195	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:19	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:19	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/17/2018 13:58	05/21/2018 14:19	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:19	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/17/2018 13:58	05/21/2018 14:19	KH
106-46-7	1,4-Dichlorobenzene	0.0755	J	mg/kg dry	0.0488	0.0974	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/17/2018 13:58	05/21/2018 14:19	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0974	0.195	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:19	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:19	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:19	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:19	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:19	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0974	0.195	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:19	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:19	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:19	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:19	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:19	KH
91-57-6	2-Methylnaphthalene	1.35		mg/kg dry	0.0488	0.0974	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:19	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:19	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0974	0.195	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:19	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:19	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:19	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:19	KH



Sample Information

Client Sample ID: 032/LSB-11C

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100688801

Soil

May 9, 2018 3:00 pm

05/10/2018

Semivolatiles, 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	0.0974	0.195	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:19	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0974	0.195	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:19	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:19	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:19	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:19	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:19	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0974	0.195	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:19	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0974	0.195	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:19	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:19	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:19	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:19	KH
62-53-3	Aniline	ND		mg/kg dry	0.195	0.390	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:19	KH
120-12-7	Anthracene	0.0802	J	mg/kg dry	0.0488	0.0974	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:19	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:19	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:19	KH
92-87-5	Benzidine	ND		mg/kg dry	0.195	0.390	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	05/17/2018 13:58	05/21/2018 14:19	KH
56-55-3	Benzo(a)anthracene	0.0958	J	mg/kg dry	0.0488	0.0974	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:19	KH
50-32-8	Benzo(a)pyrene	0.0818	J	mg/kg dry	0.0488	0.0974	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:19	KH
205-99-2	Benzo(b)fluoranthene	0.0787	J	mg/kg dry	0.0488	0.0974	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:19	KH
191-24-2	Benzo(g,h,i)perylene	0.0701	J	mg/kg dry	0.0488	0.0974	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:19	KH
207-08-9	Benzo(k)fluoranthene	0.0530	J	mg/kg dry	0.0488	0.0974	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:19	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:19	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:19	KH



Sample Information

Client Sample ID: 032/LSB-11C

York Sample ID: 18E0514-03

York Project (SDG) No.

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100688801

Soil

May 9, 2018 3:00 pm

05/10/2018

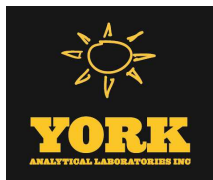
Semivolatiles, 8270 Comprehensive

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	0.0488	0.0974	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:19	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:19	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:19	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:19	KH
117-81-7	Bis(2-ethylhexyl)phthalate	0.420		mg/kg dry	0.0488	0.0974	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:19	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0974	0.195	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:19	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:19	KH
218-01-9	Chrysene	0.187		mg/kg dry	0.0488	0.0974	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:19	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:19	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:19	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:19	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:19	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:19	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:19	KH
206-44-0	Fluoranthene	0.294		mg/kg dry	0.0488	0.0974	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:19	KH
86-73-7	Fluorene	0.224		mg/kg dry	0.0488	0.0974	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:19	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:19	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:19	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:19	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:19	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:19	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:19	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:19	KH



Sample Information

Client Sample ID: 032/LSB-11C

York Sample ID: 18E0514-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0514

100688801

Soil

May 9, 2018 3:00 pm

05/10/2018

Semivolatiles, 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	0.0488	0.0974	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:19	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:19	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:19	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:19	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:19	KH
85-01-8	Phenanthrene	0.657		mg/kg dry	0.0488	0.0974	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:19	KH
108-95-2	Phenol	ND		mg/kg dry	0.0488	0.0974	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:19	KH
129-00-0	Pyrene	0.306		mg/kg dry	0.0488	0.0974	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:19	KH
110-86-1	Pyridine	ND		mg/kg dry	0.195	0.390	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 14:19	KH
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: 2-Fluorophenol	57.3 %									
4165-62-2	Surrogate: Phenol-d5	61.7 %									
4165-60-0	Surrogate: Nitrobenzene-d5	62.9 %									
321-60-8	Surrogate: 2-Fluorobiphenyl	65.9 %									
118-79-6	Surrogate: 2,4,6-Tribromophenol	97.9 %									
1718-51-0	Surrogate: Terphenyl-d14	53.3 %									

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 14:06	05/17/2018 10:37	SA
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 14:06	05/17/2018 10:37	SA
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 14:06	05/17/2018 10:37	SA
309-00-2	Aldrin	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 14:06	05/17/2018 10:37	SA
319-84-6	alpha-BHC	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 14:06	05/17/2018 10:37	SA
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/15/2018 14:06	05/17/2018 10:37	SA
319-85-7	beta-BHC	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 14:06	05/17/2018 10:37	SA



Sample Information

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May 9, 2018 3:00 pm

Date Received
05/10/2018

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-74-9	Chlordane, total	ND		mg/kg dry	0.0386	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 14:06	05/17/2018 10:37	SA
319-86-8	delta-BHC	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 14:06	05/17/2018 10:37	SA
60-57-1	Dieldrin	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 14:06	05/17/2018 10:37	SA
959-98-8	Endosulfan I	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 14:06	05/17/2018 10:37	SA
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	05/15/2018 14:06	05/17/2018 10:37	SA
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 14:06	05/17/2018 10:37	SA
72-20-8	Endrin	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 14:06	05/17/2018 10:37	SA
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 14:06	05/17/2018 10:37	SA
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 14:06	05/17/2018 10:37	SA
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 14:06	05/17/2018 10:37	SA
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/15/2018 14:06	05/17/2018 10:37	SA
76-44-8	Heptachlor	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 14:06	05/17/2018 10:37	SA
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 14:06	05/17/2018 10:37	SA
72-43-5	Methoxychlor	ND		mg/kg dry	0.00964	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 14:06	05/17/2018 10:37	SA
8001-35-2	Toxaphene	ND		mg/kg dry	0.0975	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 14:06	05/17/2018 10:37	SA
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	84.8 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	38.9 %	30-150							

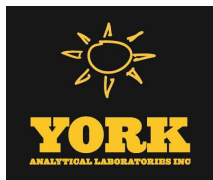
Polychlorinated Biphenyls (PCB), 8082 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 14:06	05/16/2018 12:32	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 14:06	05/16/2018 12:32	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 14:06	05/16/2018 12:32	LAB



Sample Information

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York Sample ID: 18E0514-03

York Project (SDG) No.
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May 9, 2018 3:00 pm

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Polychlorinated Biphenyls (PCB), 8082 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 14:06	05/16/2018 12:32	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 14:06	05/16/2018 12:32	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 14:06	05/16/2018 12:32	LAB
11096-82-5	Aroclor 1260	0.918		mg/kg dry	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 14:06	05/16/2018 12:32	LAB
1336-36-3	* Total PCBs	0.918		mg/kg dry	0.0195	1	EPA 8082A Certifications:	05/15/2018 14:06	05/16/2018 12:32	LAB
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	47.5 %		30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	50.7 %		30-120						

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	4920		mg/kg dry	5.87	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 08:32	05/15/2018 14:19	KML
7440-36-0	Antimony	ND		mg/kg dry	0.587	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 08:32	05/15/2018 14:19	KML
7440-38-2	Arsenic	2.10		mg/kg dry	1.17	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 08:32	05/15/2018 14:19	KML
7440-39-3	Barium	419		mg/kg dry	1.17	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 08:32	05/15/2018 14:19	KML
7440-41-7	Beryllium	0.242		mg/kg dry	0.117	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 08:32	05/15/2018 14:19	KML
7440-43-9	Cadmium	0.511		mg/kg dry	0.352	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 08:32	05/15/2018 14:19	KML
7440-70-2	Calcium	2040		mg/kg dry	5.87	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 08:32	05/15/2018 14:19	KML
7440-47-3	Chromium	13.2		mg/kg dry	0.587	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 08:32	05/15/2018 14:19	KML
7440-48-4	Cobalt	5.57		mg/kg dry	0.587	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 08:32	05/15/2018 14:19	KML
7440-50-8	Copper	25.5		mg/kg dry	0.587	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 08:32	05/15/2018 14:19	KML
7439-89-6	Iron	13500		mg/kg dry	2.35	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 08:32	05/15/2018 14:19	KML
7439-92-1	Lead	489		mg/kg dry	0.587	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 08:32	05/15/2018 14:19	KML



Sample Information

Client Sample ID: 032/LSB-11C

York Sample ID: 18E0514-03

York Project (SDG) No.

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May 9, 2018 3:00 pm

Date Received

05/10/2018

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-95-4	Magnesium	2060		mg/kg dry	5.87	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 08:32	05/15/2018 14:19	KML
7439-96-5	Manganese	181		mg/kg dry	0.587	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 08:32	05/15/2018 14:19	KML
7440-02-0	Nickel	16.0		mg/kg dry	0.587	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 08:32	05/15/2018 14:19	KML
7440-09-7	Potassium	864		mg/kg dry	5.87	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 08:32	05/15/2018 14:19	KML
7782-49-2	Selenium	ND		mg/kg dry	1.17	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 08:32	05/15/2018 14:19	KML
7440-22-4	Silver	ND		mg/kg dry	0.587	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 08:32	05/15/2018 14:19	KML
7440-23-5	Sodium	177		mg/kg dry	11.7	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/11/2018 08:32	05/15/2018 14:19	KML
7440-28-0	Thallium	ND		mg/kg dry	1.17	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 08:32	05/15/2018 14:19	KML
7440-62-2	Vanadium	15.3		mg/kg dry	1.17	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 08:32	05/15/2018 14:19	KML
7440-66-6	Zinc	377		mg/kg dry	1.76	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 08:32	05/15/2018 14:19	KML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.287		mg/kg dry	0.0352	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	05/14/2018 08:48	05/14/2018 12:35	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	85.2		%	0.100	1	SM 2540G Certifications: CTDOH	05/16/2018 08:35	05/16/2018 17:57	AD

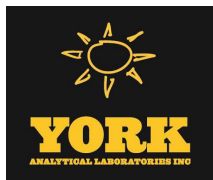
Chromium, Hexavalent

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	0.587	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	05/14/2018 10:35	05/14/2018 16:58	AD



Sample Information

Client Sample ID: 032/LSB-11C

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Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	13.2		mg/kg	0.500	1	Calculation Certifications:	05/17/2018 12:07	05/17/2018 14:47	PAM

Sample Information

Client Sample ID: 033/LSB-9A

York Sample ID: 18E0514-04

York Project (SDG) No.

Client Project ID

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18E0514

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Soil

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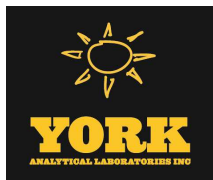
Volatiles, 8260 Comprehensive

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:	05/17/2018 07:30	05/17/2018 23:42	RDS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	05/17/2018 07:30	05/17/2018 23:42	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND	A-01	mg/kg dry	0.25	0.49	100	EPA 8260C Certifications:	05/17/2018 07:30	05/19/2018 03:09	RDS
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:	05/17/2018 07:30	05/17/2018 23:42	RDS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	05/17/2018 07:30	05/17/2018 23:42	RDS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	05/17/2018 07:30	05/17/2018 23:42	RDS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	05/17/2018 07:30	05/17/2018 23:42	RDS
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	05/17/2018 07:30	05/17/2018 23:42	RDS
87-61-6	1,2,3-Trichlorobenzene	ND	A-01	mg/kg dry	0.25	0.49	100	EPA 8260C Certifications:	05/17/2018 07:30	05/19/2018 03:09	RDS
96-18-4	1,2,3-Trichloropropane	ND	A-01	mg/kg dry	0.25	0.49	100	EPA 8260C Certifications:	05/17/2018 07:30	05/19/2018 03:09	RDS
95-93-2	* 1,2,4,5-Tetramethylbenzene	1.2	A-01	mg/kg dry	0.25	0.49	100	EPA 8260C Certifications:	05/17/2018 07:30	05/19/2018 03:09	RDS
120-82-1	1,2,4-Trichlorobenzene	ND	A-01	mg/kg dry	0.25	0.49	100	EPA 8260C Certifications:	05/17/2018 07:30	05/19/2018 03:09	RDS
95-63-6	1,2,4-Trimethylbenzene	3.2	A-01	mg/kg dry	0.25	0.49	100	EPA 8260C Certifications:	05/17/2018 07:30	05/19/2018 03:09	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND	A-01	mg/kg dry	0.25	0.49	100	EPA 8260C Certifications:	05/17/2018 07:30	05/19/2018 03:09	RDS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	05/17/2018 07:30	05/17/2018 23:42	RDS



Sample Information

Client Sample ID: 033/LSB-9A

York Sample ID: 18E0514-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0514

100688801

Soil

May 9, 2018 3:45 pm

05/10/2018

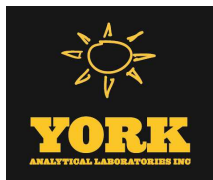
Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-50-1	1,2-Dichlorobenzene	ND	A-01	mg/kg dry	0.25	0.49	100	EPA 8260C Certifications:	05/17/2018 07:30	05/19/2018 03:09	RDS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	05/17/2018 07:30	05/17/2018 23:42	RDS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	05/17/2018 07:30	05/17/2018 23:42	RDS
108-67-8	1,3,5-Trimethylbenzene	1.5	A-01	mg/kg dry	0.25	0.49	100	EPA 8260C Certifications:	05/17/2018 07:30	05/19/2018 03:09	RDS
541-73-1	1,3-Dichlorobenzene	ND	A-01	mg/kg dry	0.25	0.49	100	EPA 8260C Certifications:	05/17/2018 07:30	05/19/2018 03:09	RDS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	05/17/2018 07:30	05/17/2018 23:42	RDS
106-46-7	1,4-Dichlorobenzene	ND	A-01	mg/kg dry	0.25	0.49	100	EPA 8260C Certifications:	05/17/2018 07:30	05/19/2018 03:09	RDS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.048	0.095	1	EPA 8260C Certifications:	05/17/2018 07:30	05/17/2018 23:42	RDS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	05/17/2018 07:30	05/17/2018 23:42	RDS
78-93-3	2-Butanone	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	05/17/2018 07:30	05/17/2018 23:42	RDS
95-49-8	2-Chlorotoluene	ND	A-01	mg/kg dry	0.25	0.49	100	EPA 8260C Certifications:	05/17/2018 07:30	05/19/2018 03:09	RDS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	05/17/2018 07:30	05/17/2018 23:42	RDS
106-43-4	4-Chlorotoluene	ND	A-01	mg/kg dry	0.25	0.49	100	EPA 8260C Certifications:	05/17/2018 07:30	05/19/2018 03:09	RDS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	05/17/2018 07:30	05/17/2018 23:42	RDS
67-64-1	Acetone	0.014	CCV-E, SCAL- E	mg/kg dry	0.0048	0.0095	1	EPA 8260C Certifications:	05/17/2018 07:30	05/17/2018 23:42	RDS
107-02-8	Acrolein	ND		mg/kg dry	0.0048	0.0095	1	EPA 8260C Certifications:	05/17/2018 07:30	05/17/2018 23:42	RDS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	05/17/2018 07:30	05/17/2018 23:42	RDS
71-43-2	Benzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	05/17/2018 07:30	05/17/2018 23:42	RDS
108-86-1	Bromobenzene	ND	A-01	mg/kg dry	0.25	0.49	100	EPA 8260C Certifications:	05/17/2018 07:30	05/19/2018 03:09	RDS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	05/17/2018 07:30	05/17/2018 23:42	RDS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	05/17/2018 07:30	05/17/2018 23:42	RDS
75-25-2	Bromoform	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	05/17/2018 07:30	05/17/2018 23:42	RDS
74-83-9	Bromomethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	05/17/2018 07:30	05/17/2018 23:42	RDS



Sample Information

Client Sample ID: 033/LSB-9A

York Sample ID: 18E0514-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0514

100688801

Soil

May 9, 2018 3:45 pm

05/10/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	05/17/2018 07:30	05/17/2018 23:42	RDS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	05/17/2018 07:30	05/17/2018 23:42	RDS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	05/17/2018 07:30	05/17/2018 23:42	RDS
75-00-3	Chloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	05/17/2018 07:30	05/17/2018 23:42	RDS
67-66-3	Chloroform	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	05/17/2018 07:30	05/17/2018 23:42	RDS
74-87-3	Chloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	05/17/2018 07:30	05/17/2018 23:42	RDS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	05/17/2018 07:30	05/17/2018 23:42	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	05/17/2018 07:30	05/17/2018 23:42	RDS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	05/17/2018 07:30	05/17/2018 23:42	RDS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	05/17/2018 07:30	05/17/2018 23:42	RDS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	05/17/2018 07:30	05/17/2018 23:42	RDS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	05/17/2018 07:30	05/17/2018 23:42	RDS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	05/17/2018 07:30	05/17/2018 23:42	RDS
87-68-3	Hexachlorobutadiene	ND	A-01	mg/kg dry	0.25	0.49	100	EPA 8260C Certifications:	05/17/2018 07:30	05/19/2018 03:09	RDS
98-82-8	Isopropylbenzene	ND	A-01	mg/kg dry	0.25	0.49	100	EPA 8260C Certifications:	05/17/2018 07:30	05/19/2018 03:09	RDS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	05/17/2018 07:30	05/17/2018 23:42	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	05/17/2018 07:30	05/17/2018 23:42	RDS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	05/17/2018 07:30	05/17/2018 23:42	RDS
75-09-2	Methylene chloride	0.0053	J	mg/kg dry	0.0048	0.0095	1	EPA 8260C Certifications:	05/17/2018 07:30	05/17/2018 23:42	RDS
91-20-3	Naphthalene	ND	A-01	mg/kg dry	0.25	0.98	100	EPA 8260C Certifications:	05/17/2018 07:30	05/19/2018 03:09	RDS
104-51-8	n-Butylbenzene	ND	A-01	mg/kg dry	0.25	0.49	100	EPA 8260C Certifications:	05/17/2018 07:30	05/19/2018 03:09	RDS
103-65-1	n-Propylbenzene	ND	A-01	mg/kg dry	0.25	0.49	100	EPA 8260C Certifications:	05/17/2018 07:30	05/19/2018 03:09	RDS
95-47-6	o-Xylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications:	05/17/2018 07:30	05/17/2018 23:42	RDS



Sample Information

Client Sample ID: 033/LSB-9A

York Sample ID: 18E0514-04

York Project (SDG) No.
18E0514

Client Project ID
100688801

Matrix
Soil

Collection Date/Time
May 9, 2018 3:45 pm

Date Received
05/10/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0048	0.0095	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	05/17/2018 07:30	05/17/2018 23:42	RDS
105-05-5	* p-Diethylbenzene	ND	A-01	mg/kg dry	0.25	0.49	100	EPA 8260C Certifications:	05/17/2018 07:30	05/19/2018 03:09	RDS
622-96-8	* p-Ethyltoluene	1.2	A-01	mg/kg dry	0.25	0.49	100	EPA 8260C Certifications:	05/17/2018 07:30	05/19/2018 03:09	RDS
99-87-6	p-Isopropyltoluene	2.2	A-01	mg/kg dry	0.25	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/19/2018 03:09	RDS
135-98-8	sec-Butylbenzene	ND	A-01	mg/kg dry	0.25	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/19/2018 03:09	RDS
100-42-5	Styrene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 23:42	RDS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 23:42	RDS
98-06-6	tert-Butylbenzene	ND	A-01	mg/kg dry	0.25	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/19/2018 03:09	RDS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 23:42	RDS
108-88-3	Toluene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 23:42	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 23:42	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 23:42	RDS
110-57-6	* trans-1,4-dichloro-2-butene	ND	A-01	mg/kg dry	0.25	0.49	100	EPA 8260C Certifications: CTDOH	05/17/2018 07:30	05/19/2018 03:09	RDS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 23:42	RDS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 23:42	RDS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/17/2018 23:42	RDS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0072	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/17/2018 07:30	05/17/2018 23:42	RDS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	102 %			77-125						
2037-26-5	Surrogate: Toluene-d8	115 %			85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	105 %	A-01		76-130						

Semivolatiles, 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	0.0453	0.0905	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:15	KH



Sample Information

Client Sample ID: 033/LSB-9A

York Sample ID: 18E0514-04

York Project (SDG) No.

Client Project ID

Matrix

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100688801

Soil

May 9, 2018 3:45 pm

05/10/2018

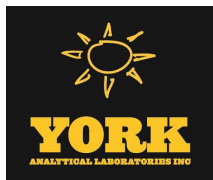
Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0905	0.181	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:15	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:15	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/17/2018 13:58	05/21/2018 13:15	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:15	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/17/2018 13:58	05/21/2018 13:15	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/17/2018 13:58	05/21/2018 13:15	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0905	0.181	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:15	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:15	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:15	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:15	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:15	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0905	0.181	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:15	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:15	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:15	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:15	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:15	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:15	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:15	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0905	0.181	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:15	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:15	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:15	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:15	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0905	0.181	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:15	KH



Sample Information

Client Sample ID: 033/LSB-9A

York Sample ID: 18E0514-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0514

100688801

Soil

May 9, 2018 3:45 pm

05/10/2018

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0905	0.181	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:15	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:15	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:15	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:15	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:15	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0905	0.181	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:15	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0905	0.181	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:15	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:15	KH
208-96-8	Acenaphthylene	0.0571	J	mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:15	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:15	KH
62-53-3	Aniline	ND		mg/kg dry	0.181	0.362	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:15	KH
120-12-7	Anthracene	0.139		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:15	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:15	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:15	KH
92-87-5	Benzidine	ND		mg/kg dry	0.181	0.362	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	05/17/2018 13:58	05/21/2018 13:15	KH
56-55-3	Benzo(a)anthracene	0.874		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:15	KH
50-32-8	Benzo(a)pyrene	1.10		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:15	KH
205-99-2	Benzo(b)fluoranthene	1.03		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:15	KH
191-24-2	Benzo(g,h,i)perylene	0.863		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:15	KH
207-08-9	Benzo(k)fluoranthene	0.906		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:15	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:15	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:15	KH
85-68-7	Benzyl butyl phthalate	0.195		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:15	KH



Sample Information

Client Sample ID: 033/LSB-9A

York Sample ID: 18E0514-04

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100688801

Soil

May 9, 2018 3:45 pm

05/10/2018

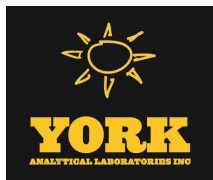
Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:15	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:15	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:15	KH
117-81-7	Bis(2-ethylhexyl)phthalate	0.263		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:15	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0905	0.181	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:15	KH
86-74-8	Carbazole	0.0701	J	mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:15	KH
218-01-9	Chrysene	1.03		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:15	KH
53-70-3	Dibenzo(a,h)anthracene	0.212		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:15	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:15	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:15	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:15	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:15	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:15	KH
206-44-0	Fluoranthene	1.70		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:15	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:15	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:15	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:15	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:15	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:15	KH
193-39-5	Indeno(1,2,3-cd)pyrene	0.668		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:15	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:15	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:15	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:15	KH



Sample Information

Client Sample ID: 033/LSB-9A

York Sample ID: 18E0514-04

York Project (SDG) No.
18E0514

Client Project ID
100688801

Matrix
Soil

Collection Date/Time
May 9, 2018 3:45 pm

Date Received
05/10/2018

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:15	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:15	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:15	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:15	KH
85-01-8	Phenanthrene	0.612		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:15	KH
108-95-2	Phenol	ND		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:15	KH
129-00-0	Pyrene	1.61		mg/kg dry	0.0453	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:15	KH
110-86-1	Pyridine	ND		mg/kg dry	0.181	0.362	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:15	KH
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: 2-Fluorophenol	38.6 %		20-108							
4165-62-2	Surrogate: Phenol-d5	51.7 %		23-114							
4165-60-0	Surrogate: Nitrobenzene-d5	40.6 %		22-108							
321-60-8	Surrogate: 2-Fluorobiphenyl	47.0 %		21-113							
118-79-6	Surrogate: 2,4,6-Tribromophenol	78.0 %		19-110							
1718-51-0	Surrogate: Terphenyl-d14	51.6 %		24-116							

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	0.0191		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 14:06	05/17/2018 10:52	SA
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 14:06	05/17/2018 10:52	SA
50-29-3	4,4'-DDT	0.0140		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 14:06	05/17/2018 10:52	SA
309-00-2	Aldrin	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 14:06	05/17/2018 10:52	SA
319-84-6	alpha-BHC	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 14:06	05/17/2018 10:52	SA
5103-71-9	alpha-Chlordane	0.0217		mg/kg dry	0.00179	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/15/2018 14:06	05/17/2018 10:52	SA
319-85-7	beta-BHC	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 14:06	05/17/2018 10:52	SA
57-74-9	Chlordane, total	ND		mg/kg dry	0.0358	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 14:06	05/17/2018 10:52	SA



Sample Information

Client Sample ID: 033/LSB-9A

York Sample ID: 18E0514-04

York Project (SDG) No.

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18E0514

100688801

Soil

May 9, 2018 3:45 pm

05/10/2018

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
319-86-8	delta-BHC	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 14:06	05/17/2018 10:52	SA
60-57-1	Dieldrin	0.00628		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 14:06	05/17/2018 10:52	SA
959-98-8	Endosulfan I	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 14:06	05/17/2018 10:52	SA
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	05/15/2018 14:06	05/17/2018 10:52	SA
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 14:06	05/17/2018 10:52	SA
72-20-8	Endrin	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 14:06	05/17/2018 10:52	SA
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 14:06	05/17/2018 10:52	SA
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 14:06	05/17/2018 10:52	SA
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 14:06	05/17/2018 10:52	SA
5566-34-7	gamma-Chlordane	0.0128		mg/kg dry	0.00179	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/15/2018 14:06	05/17/2018 10:52	SA
76-44-8	Heptachlor	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 14:06	05/17/2018 10:52	SA
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 14:06	05/17/2018 10:52	SA
72-43-5	Methoxychlor	ND		mg/kg dry	0.00895	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 14:06	05/17/2018 10:52	SA
8001-35-2	Toxaphene	ND		mg/kg dry	0.0906	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 14:06	05/17/2018 10:52	SA
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	76.1 %								
877-09-8	Surrogate: Tetrachloro-m-xylene	24.1 %	GC-SC							
			u							

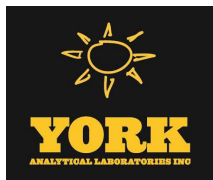
Polychlorinated Biphenyls (PCB), 8082 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 14:06	05/16/2018 12:56	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 14:06	05/16/2018 12:56	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 14:06	05/16/2018 12:56	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 14:06	05/16/2018 12:56	LAB



Sample Information

Client Sample ID: 033/LSB-9A

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May 9, 2018 3:45 pm

Date Received
05/10/2018

Polychlorinated Biphenyls (PCB), 8082 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12672-29-6	Aroclor 1248	0.196		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 14:06	05/16/2018 12:56	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 14:06	05/16/2018 12:56	LAB
11096-82-5	Aroclor 1260	0.0531		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 14:06	05/16/2018 12:56	LAB
1336-36-3	* Total PCBs	0.250		mg/kg dry	0.0181	1	EPA 8082A Certifications:	05/15/2018 14:06	05/16/2018 12:56	LAB
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	56.4 %		30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	50.2 %		30-120						

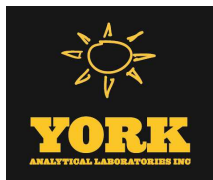
Metals, Target Analyte

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	16000		mg/kg dry	5.44	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 08:32	05/15/2018 14:21	KML
7440-36-0	Antimony	1.13		mg/kg dry	0.544	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 08:32	05/15/2018 14:21	KML
7440-38-2	Arsenic	3.80		mg/kg dry	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 08:32	05/15/2018 14:21	KML
7440-39-3	Barium	174		mg/kg dry	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 08:32	05/15/2018 14:21	KML
7440-41-7	Beryllium	0.263		mg/kg dry	0.109	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 08:32	05/15/2018 14:21	KML
7440-43-9	Cadmium	1.13		mg/kg dry	0.326	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 08:32	05/15/2018 14:21	KML
7440-70-2	Calcium	27800		mg/kg dry	5.44	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 08:32	05/15/2018 14:21	KML
7440-47-3	Chromium	24.6		mg/kg dry	0.544	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 08:32	05/15/2018 14:21	KML
7440-48-4	Cobalt	6.44		mg/kg dry	0.544	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 08:32	05/15/2018 14:21	KML
7440-50-8	Copper	97.8		mg/kg dry	0.544	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 08:32	05/15/2018 14:21	KML
7439-89-6	Iron	24200		mg/kg dry	2.18	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 08:32	05/15/2018 14:21	KML
7439-92-1	Lead	550		mg/kg dry	0.544	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 08:32	05/15/2018 14:21	KML
7439-95-4	Magnesium	7460		mg/kg dry	5.44	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 08:32	05/15/2018 14:21	KML



Sample Information

Client Sample ID: 033/LSB-9A

York Sample ID: 18E0514-04

York Project (SDG) No.

18E0514

Client Project ID

100688801

Matrix

Soil

Collection Date/Time

May 9, 2018 3:45 pm

Date Received

05/10/2018

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	Manganese	436		mg/kg dry	0.544	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 08:32	05/15/2018 14:21	KML
7440-02-0	Nickel	21.7		mg/kg dry	0.544	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 08:32	05/15/2018 14:21	KML
7440-09-7	Potassium	691		mg/kg dry	5.44	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 08:32	05/15/2018 14:21	KML
7782-49-2	Selenium	ND		mg/kg dry	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 08:32	05/15/2018 14:21	KML
7440-22-4	Silver	ND		mg/kg dry	0.544	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 08:32	05/15/2018 14:21	KML
7440-23-5	Sodium	168		mg/kg dry	10.9	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/11/2018 08:32	05/15/2018 14:21	KML
7440-28-0	Thallium	ND		mg/kg dry	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 08:32	05/15/2018 14:21	KML
7440-62-2	Vanadium	21.3		mg/kg dry	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 08:32	05/15/2018 14:21	KML
7440-66-6	Zinc	349		mg/kg dry	1.63	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 08:32	05/15/2018 14:21	KML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.417		mg/kg dry	0.0326	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	05/14/2018 08:48	05/14/2018 12:44	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	91.9		%	0.100	1	SM 2540G Certifications: CTDOH	05/16/2018 08:35	05/16/2018 17:57	AD

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	0.544	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	05/14/2018 10:35	05/14/2018 16:58	AD

Chromium, Trivalent

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: 033/LSB-9A

York Sample ID: 18E0514-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0514

100688801

Soil

May 9, 2018 3:45 pm

05/10/2018

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	24.6		mg/kg	0.500	1	Calculation Certifications:	05/17/2018 12:07	05/17/2018 14:47	PAM

Sample Information

Client Sample ID: 034/LSB-9B

York Sample ID: 18E0514-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0514

100688801

Soil

May 9, 2018 3:50 pm

05/10/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications:	05/17/2018 07:30	05/18/2018 00:12	RDS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications:	05/17/2018 07:30	05/18/2018 00:12	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND	A-01	mg/kg dry	0.30	0.60	100	EPA 8260C Certifications:	05/17/2018 07:30	05/19/2018 03:39	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications:	05/17/2018 07:30	05/18/2018 00:12	RDS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications:	05/17/2018 07:30	05/18/2018 00:12	RDS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications:	05/17/2018 07:30	05/18/2018 00:12	RDS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications:	05/17/2018 07:30	05/18/2018 00:12	RDS
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications:	05/17/2018 07:30	05/18/2018 00:12	RDS
87-61-6	1,2,3-Trichlorobenzene	ND	A-01	mg/kg dry	0.30	0.60	100	EPA 8260C Certifications:	05/17/2018 07:30	05/19/2018 03:39	RDS
96-18-4	1,2,3-Trichloropropane	ND	A-01	mg/kg dry	0.30	0.60	100	EPA 8260C Certifications:	05/17/2018 07:30	05/19/2018 03:39	RDS
95-93-2	* 1,2,4,5-Tetramethylbenzene	0.50	J, A-01	mg/kg dry	0.30	0.60	100	EPA 8260C Certifications:	05/17/2018 07:30	05/19/2018 03:39	RDS
120-82-1	1,2,4-Trichlorobenzene	ND	A-01	mg/kg dry	0.30	0.60	100	EPA 8260C Certifications:	05/17/2018 07:30	05/19/2018 03:39	RDS
95-63-6	1,2,4-Trimethylbenzene	1.3	A-01	mg/kg dry	0.30	0.60	100	EPA 8260C Certifications:	05/17/2018 07:30	05/19/2018 03:39	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND	A-01	mg/kg dry	0.30	0.60	100	EPA 8260C Certifications:	05/17/2018 07:30	05/19/2018 03:39	RDS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications:	05/17/2018 07:30	05/18/2018 00:12	RDS



Sample Information

Client Sample ID: 034/LSB-9B

York Sample ID: 18E0514-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0514

100688801

Soil

May 9, 2018 3:50 pm

05/10/2018

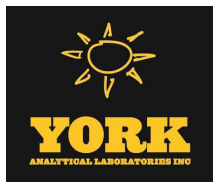
Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-50-1	1,2-Dichlorobenzene	ND	A-01	mg/kg dry	0.30	0.60	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/19/2018 03:39	RDS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/18/2018 00:12	RDS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/18/2018 00:12	RDS
108-67-8	1,3,5-Trimethylbenzene	0.46	J, A-01	mg/kg dry	0.30	0.60	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/19/2018 03:39	RDS
541-73-1	1,3-Dichlorobenzene	ND	A-01	mg/kg dry	0.30	0.60	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/19/2018 03:39	RDS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/18/2018 00:12	RDS
106-46-7	1,4-Dichlorobenzene	ND	A-01	mg/kg dry	0.30	0.60	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/19/2018 03:39	RDS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.053	0.11	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/18/2018 00:12	RDS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/17/2018 07:30	05/18/2018 00:12	RDS
78-93-3	2-Butanone	0.0070		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/18/2018 00:12	RDS
95-49-8	2-Chlorotoluene	ND	A-01	mg/kg dry	0.30	0.60	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/19/2018 03:39	RDS
591-78-6	2-Hexanone	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/18/2018 00:12	RDS
106-43-4	4-Chlorotoluene	ND	A-01	mg/kg dry	0.30	0.60	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/19/2018 03:39	RDS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/18/2018 00:12	RDS
67-64-1	Acetone	0.050	SCAL- E, CCV-E	mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/18/2018 00:12	RDS
107-02-8	Acrolein	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/18/2018 00:12	RDS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/18/2018 00:12	RDS
71-43-2	Benzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/18/2018 00:12	RDS
108-86-1	Bromobenzene	ND	A-01	mg/kg dry	0.30	0.60	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/19/2018 03:39	RDS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/18/2018 00:12	RDS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/18/2018 00:12	RDS
75-25-2	Bromoform	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/18/2018 00:12	RDS
74-83-9	Bromomethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/18/2018 00:12	RDS



Sample Information

Client Sample ID: 034/LSB-9B

York Sample ID: 18E0514-05

York Project (SDG) No.

18E0514

Client Project ID

100688801

Matrix

Soil

Collection Date/Time

May 9, 2018 3:50 pm

Date Received

05/10/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-15-0	Carbon disulfide	0.0028	J	mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/18/2018 00:12	RDS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/18/2018 00:12	RDS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/18/2018 00:12	RDS
75-00-3	Chloroethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/18/2018 00:12	RDS
67-66-3	Chloroform	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/18/2018 00:12	RDS
74-87-3	Chloromethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/18/2018 00:12	RDS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/18/2018 00:12	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/18/2018 00:12	RDS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/18/2018 00:12	RDS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/18/2018 00:12	RDS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/18/2018 00:12	RDS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/18/2018 00:12	RDS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/18/2018 00:12	RDS
87-68-3	Hexachlorobutadiene	ND	A-01	mg/kg dry	0.30	0.60	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/19/2018 03:39	RDS
98-82-8	Isopropylbenzene	ND	A-01	mg/kg dry	0.30	0.60	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/19/2018 03:39	RDS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/18/2018 00:12	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/18/2018 00:12	RDS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/18/2018 00:12	RDS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/18/2018 00:12	RDS
91-20-3	Naphthalene	ND	A-01	mg/kg dry	0.30	1.2	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/19/2018 03:39	RDS
104-51-8	n-Butylbenzene	ND	A-01	mg/kg dry	0.30	0.60	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/19/2018 03:39	RDS
103-65-1	n-Propylbenzene	ND	A-01	mg/kg dry	0.30	0.60	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/19/2018 03:39	RDS
95-47-6	o-Xylene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/18/2018 00:12	RDS



Sample Information

Client Sample ID: 034/LSB-9B

York Sample ID: 18E0514-05

York Project (SDG) No.

18E0514

Client Project ID

100688801

Matrix

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Collection Date/Time

May 9, 2018 3:50 pm

Date Received

05/10/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/18/2018 00:12	RDS
105-05-5	* p-Diethylbenzene	ND	A-01	mg/kg dry	0.30	0.60	100	EPA 8260C Certifications:	05/17/2018 07:30	05/19/2018 03:39	RDS
622-96-8	* p-Ethyltoluene	0.39	A-01, J	mg/kg dry	0.30	0.60	100	EPA 8260C Certifications:	05/17/2018 07:30	05/19/2018 03:39	RDS
99-87-6	p-Isopropyltoluene	ND	A-01	mg/kg dry	0.30	0.60	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/19/2018 03:39	RDS
135-98-8	sec-Butylbenzene	ND	A-01	mg/kg dry	0.30	0.60	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/19/2018 03:39	RDS
100-42-5	Styrene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/18/2018 00:12	RDS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/18/2018 00:12	RDS
98-06-6	tert-Butylbenzene	ND	A-01	mg/kg dry	0.30	0.60	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/19/2018 03:39	RDS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/18/2018 00:12	RDS
108-88-3	Toluene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/18/2018 00:12	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/18/2018 00:12	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/18/2018 00:12	RDS
110-57-6	* trans-1,4-dichloro-2-butene	ND	A-01	mg/kg dry	0.30	0.60	100	EPA 8260C Certifications: CTDOH	05/17/2018 07:30	05/19/2018 03:39	RDS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/18/2018 00:12	RDS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/18/2018 00:12	RDS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/17/2018 07:30	05/18/2018 00:12	RDS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0080	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/17/2018 07:30	05/18/2018 00:12	RDS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	108 %									
2037-26-5	Surrogate: Toluene-d8	108 %									
460-00-4	Surrogate: p-Bromofluorobenzene	110 %	A-01								

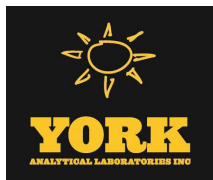
Semivolatiles, 8270 Comprehensive

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	0.0501	0.100	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:47	KH



Sample Information

Client Sample ID: 034/LSB-9B

York Sample ID: 18E0514-05

York Project (SDG) No.

Client Project ID

Matrix

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18E0514

100688801

Soil

May 9, 2018 3:50 pm

05/10/2018

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.100	0.200	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:47	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:47	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/17/2018 13:58	05/21/2018 13:47	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:47	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/17/2018 13:58	05/21/2018 13:47	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/17/2018 13:58	05/21/2018 13:47	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.100	0.200	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:47	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:47	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:47	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:47	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:47	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.100	0.200	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:47	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:47	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:47	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:47	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:47	KH
91-57-6	2-Methylnaphthalene	0.0736	J	mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:47	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:47	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.100	0.200	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:47	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:47	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:47	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:47	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.100	0.200	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:47	KH



Sample Information

Client Sample ID: 034/LSB-9B

York Sample ID: 18E0514-05

York Project (SDG) No.
18E0514

Client Project ID
100688801

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Collection Date/Time
May 9, 2018 3:50 pm

Date Received
05/10/2018

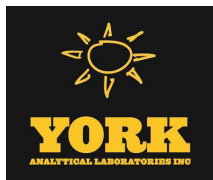
Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.100	0.200	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:47	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:47	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:47	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:47	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:47	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.100	0.200	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:47	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.100	0.200	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:47	KH
83-32-9	Acenaphthene	0.0775	J	mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:47	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:47	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:47	KH
62-53-3	Aniline	ND		mg/kg dry	0.200	0.401	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:47	KH
120-12-7	Anthracene	0.195		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:47	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:47	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:47	KH
92-87-5	Benzidine	ND		mg/kg dry	0.200	0.401	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	05/17/2018 13:58	05/21/2018 13:47	KH
56-55-3	Benzo(a)anthracene	0.540		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:47	KH
50-32-8	Benzo(a)pyrene	0.540		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:47	KH
205-99-2	Benzo(b)fluoranthene	0.442		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:47	KH
191-24-2	Benzo(g,h,i)perylene	0.376		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:47	KH
207-08-9	Benzo(k)fluoranthene	0.413		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:47	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:47	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:47	KH
85-68-7	Benzyl butyl phthalate	0.556		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:47	KH



Sample Information

Client Sample ID: 034/LSB-9B

York Sample ID: 18E0514-05

York Project (SDG) No.

Client Project ID

Matrix

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18E0514

100688801

Soil

May 9, 2018 3:50 pm

05/10/2018

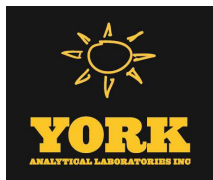
Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:47	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:47	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:47	KH
117-81-7	Bis(2-ethylhexyl)phthalate	1.39		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:47	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.100	0.200	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:47	KH
86-74-8	Carbazole	0.0720	J	mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:47	KH
218-01-9	Chrysene	0.504		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:47	KH
53-70-3	Dibenzo(a,h)anthracene	0.0664	J	mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:47	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:47	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:47	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:47	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:47	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:47	KH
206-44-0	Fluoranthene	1.01		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:47	KH
86-73-7	Fluorene	0.0975	J	mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:47	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:47	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:47	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:47	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:47	KH
193-39-5	Indeno(1,2,3-cd)pyrene	0.284		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:47	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:47	KH
91-20-3	Naphthalene	0.0680	J	mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:47	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:47	KH



Sample Information

Client Sample ID: 034/LSB-9B

York Sample ID: 18E0514-05

York Project (SDG) No.
18E0514

Client Project ID
100688801

Matrix
Soil

Collection Date/Time
May 9, 2018 3:50 pm

Date Received
05/10/2018

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:47	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:47	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:47	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:47	KH
85-01-8	Phenanthrene	0.624		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:47	KH
108-95-2	Phenol	ND		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:47	KH
129-00-0	Pyrene	1.03		mg/kg dry	0.0501	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:47	KH
110-86-1	Pyridine	ND		mg/kg dry	0.200	0.401	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 13:58	05/21/2018 13:47	KH
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: 2-Fluorophenol	38.1 %		20-108							
4165-62-2	Surrogate: Phenol-d5	42.9 %		23-114							
4165-60-0	Surrogate: Nitrobenzene-d5	63.9 %		22-108							
321-60-8	Surrogate: 2-Fluorobiphenyl	41.1 %		21-113							
118-79-6	Surrogate: 2,4,6-Tribromophenol	69.6 %		19-110							
1718-51-0	Surrogate: Terphenyl-d14	45.7 %		24-116							

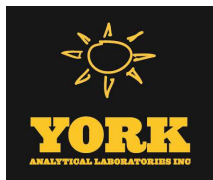
Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 14:06	05/17/2018 11:07	SA
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 14:06	05/17/2018 11:07	SA
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 14:06	05/17/2018 11:07	SA
309-00-2	Aldrin	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 14:06	05/17/2018 11:07	SA
319-84-6	alpha-BHC	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 14:06	05/17/2018 11:07	SA
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/15/2018 14:06	05/17/2018 11:07	SA
319-85-7	beta-BHC	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 14:06	05/17/2018 11:07	SA
57-74-9	Chlordane, total	ND		mg/kg dry	0.0395	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 14:06	05/17/2018 11:07	SA



Sample Information

Client Sample ID: 034/LSB-9B

York Sample ID: 18E0514-05

York Project (SDG) No.
18E0514

Client Project ID
100688801

Matrix
Soil

Collection Date/Time
May 9, 2018 3:50 pm

Date Received
05/10/2018

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
319-86-8	delta-BHC	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 14:06	05/17/2018 11:07	SA
60-57-1	Dieldrin	0.00809		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 14:06	05/17/2018 11:07	SA
959-98-8	Endosulfan I	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 14:06	05/17/2018 11:07	SA
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	05/15/2018 14:06	05/17/2018 11:07	SA
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 14:06	05/17/2018 11:07	SA
72-20-8	Endrin	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 14:06	05/17/2018 11:07	SA
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 14:06	05/17/2018 11:07	SA
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 14:06	05/17/2018 11:07	SA
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 14:06	05/17/2018 11:07	SA
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	05/15/2018 14:06	05/17/2018 11:07	SA
76-44-8	Heptachlor	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 14:06	05/17/2018 11:07	SA
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 14:06	05/17/2018 11:07	SA
72-43-5	Methoxychlor	ND		mg/kg dry	0.00987	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 14:06	05/17/2018 11:07	SA
8001-35-2	Toxaphene	ND		mg/kg dry	0.0999	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 14:06	05/17/2018 11:07	SA
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	74.7 %								
877-09-8	Surrogate: Tetrachloro-m-xylene	26.8 %	GC-SC							

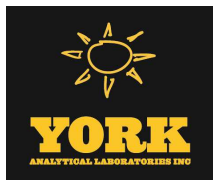
Polychlorinated Biphenyls (PCB), 8082 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0199	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 14:06	05/16/2018 13:20	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0199	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 14:06	05/16/2018 13:20	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0199	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 14:06	05/16/2018 13:20	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0199	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 14:06	05/16/2018 13:20	LAB



Sample Information

Client Sample ID: 034/LSB-9B

York Sample ID: 18E0514-05

York Project (SDG) No.
18E0514

Client Project ID
100688801

Matrix
Soil

Collection Date/Time
May 9, 2018 3:50 pm

Date Received
05/10/2018

Polychlorinated Biphenyls (PCB), 8082 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0199	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 14:06	05/16/2018 13:20	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0199	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 14:06	05/16/2018 13:20	LAB
11096-82-5	Aroclor 1260	0.0617		mg/kg dry	0.0199	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 14:06	05/16/2018 13:20	LAB
1336-36-3	* Total PCBs	0.0617		mg/kg dry	0.0199	1	EPA 8082A Certifications:	05/15/2018 14:06	05/16/2018 13:20	LAB
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	56.4 %								
2051-24-3	Surrogate: Decachlorobiphenyl	56.5 %								

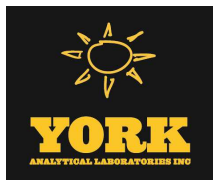
Metals, Target Analyte

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	5590		mg/kg dry	6.01	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 08:32	05/15/2018 14:23	KML
7440-36-0	Antimony	2.90		mg/kg dry	0.601	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 08:32	05/15/2018 14:23	KML
7440-38-2	Arsenic	6.23		mg/kg dry	1.20	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 08:32	05/15/2018 14:23	KML
7440-39-3	Barium	467		mg/kg dry	1.20	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 08:32	05/15/2018 14:23	KML
7440-41-7	Beryllium	0.271		mg/kg dry	0.120	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 08:32	05/15/2018 14:23	KML
7440-43-9	Cadmium	11.7		mg/kg dry	0.361	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 08:32	05/15/2018 14:23	KML
7440-70-2	Calcium	13200		mg/kg dry	6.01	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 08:32	05/15/2018 14:23	KML
7440-47-3	Chromium	36.0		mg/kg dry	0.601	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 08:32	05/15/2018 14:23	KML
7440-48-4	Cobalt	7.37		mg/kg dry	0.601	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 08:32	05/15/2018 14:23	KML
7440-50-8	Copper	144		mg/kg dry	0.601	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 08:32	05/15/2018 14:23	KML
7439-89-6	Iron	41000		mg/kg dry	2.40	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 08:32	05/15/2018 14:23	KML
7439-92-1	Lead	847		mg/kg dry	0.601	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 08:32	05/15/2018 14:23	KML
7439-95-4	Magnesium	3930		mg/kg dry	6.01	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 08:32	05/15/2018 14:23	KML



Sample Information

Client Sample ID: 034/LSB-9B

York Sample ID: 18E0514-05

York Project (SDG) No.

18E0514

Client Project ID

100688801

Matrix

Soil

Collection Date/Time

May 9, 2018 3:50 pm

Date Received

05/10/2018

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	Manganese	264		mg/kg dry	0.601	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 08:32	05/15/2018 14:23	KML
7440-02-0	Nickel	33.0		mg/kg dry	0.601	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 08:32	05/15/2018 14:23	KML
7440-09-7	Potassium	628		mg/kg dry	6.01	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 08:32	05/15/2018 14:23	KML
7782-49-2	Selenium	ND		mg/kg dry	1.20	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 08:32	05/15/2018 14:23	KML
7440-22-4	Silver	ND		mg/kg dry	0.601	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 08:32	05/15/2018 14:23	KML
7440-23-5	Sodium	275		mg/kg dry	12.0	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	05/11/2018 08:32	05/15/2018 14:23	KML
7440-28-0	Thallium	ND		mg/kg dry	1.20	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 08:32	05/15/2018 14:23	KML
7440-62-2	Vanadium	21.7		mg/kg dry	1.20	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 08:32	05/15/2018 14:23	KML
7440-66-6	Zinc	1350		mg/kg dry	1.80	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/11/2018 08:32	05/15/2018 14:23	KML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.547		mg/kg dry	0.0361	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	05/14/2018 08:48	05/14/2018 12:53	SY

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	83.2		%	0.100	1	SM 2540G Certifications: CTDOH	05/16/2018 08:35	05/16/2018 17:57	AD

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	0.601	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	05/14/2018 10:35	05/14/2018 16:58	AD

Chromium, Trivalent

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: 034/LSB-9B

York Sample ID: 18E0514-05

York Project (SDG) No.

Client Project ID

Matrix

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Date Received

18E0514

100688801

Soil

May 9, 2018 3:50 pm

05/10/2018

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	36.0		mg/kg	0.500	1	Calculation Certifications:	05/17/2018 12:07	05/17/2018 14:47	PAM

Sample Information

Client Sample ID: 035/TB-3

York Sample ID: 18E0514-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0514

100688801

Water

May 9, 2018 3:00 pm

05/10/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:55	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:55	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:55	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:55	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:55	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:55	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:55	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:55	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:55	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:55	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:55	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:55	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:55	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:55	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:55	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:55	SS



Sample Information

Client Sample ID: 035/TB-3

York Sample ID: 18E0514-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0514

100688801

Water

May 9, 2018 3:00 pm

05/10/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:55	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:55	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:55	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:55	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:55	SS
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:55	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:55	SS
78-93-3	2-Butanone	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:55	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:55	SS
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:55	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:55	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:55	SS
67-64-1	Acetone	1.68	SCAL- E	ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:55	SS
107-02-8	Acrolein	ND		ug/L	0.200	4.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:55	SS
107-13-1	Acrylonitrile	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:55	SS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:55	SS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:55	SS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:55	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:55	SS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:55	SS
74-83-9	Bromomethane	3.28		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:55	SS
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:55	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:55	SS



Sample Information

Client Sample ID: 035/TB-3

York Sample ID: 18E0514-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0514

100688801

Water

May 9, 2018 3:00 pm

05/10/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:55	SS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:55	SS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:55	SS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:55	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:55	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:55	SS
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:55	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:55	SS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:55	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:55	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:55	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:55	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:55	SS
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:55	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:55	SS
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:55	SS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:55	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:55	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:55	SS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:55	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:55	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:55	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/11/2018 07:30	05/11/2018 15:55	SS



Sample Information

Client Sample ID: 035/TB-3

York Sample ID: 18E0514-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0514

100688801

Water

May 9, 2018 3:00 pm

05/10/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:55	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:55	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:55	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:55	SS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:55	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:55	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:55	SS
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:55	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:55	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/11/2018 07:30	05/11/2018 15:55	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/11/2018 07:30	05/11/2018 15:55	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	104 %	70-130								
2037-26-5	Surrogate: Toluene-d8	97.8 %	70-130								
460-00-4	Surrogate: p-Bromofluorobenzene	104 %	70-130								



Analytical Batch Summary

Batch ID: BE80600 **Preparation Method:** EPA 5030B **Prepared By:** TAB

YORK Sample ID	Client Sample ID	Preparation Date
18E0514-06	035/TB-3	05/11/18
BE80600-BLK1	Blank	05/11/18
BE80600-BS1	LCS	05/11/18
BE80600-BSD1	LCS Dup	05/11/18

Batch ID: BE80608 **Preparation Method:** EPA 3050B **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
18E0514-01	030/LSB-11A	05/11/18
18E0514-03	032/LSB-11C	05/11/18
18E0514-04	033/LSB-9A	05/11/18
18E0514-05	034/LSB-9B	05/11/18
BE80608-BLK1	Blank	05/11/18
BE80608-DUP1	Duplicate	05/11/18
BE80608-MS1	Matrix Spike	05/11/18
BE80608-SRM1	Reference	05/11/18

Batch ID: BE80677 **Preparation Method:** EPA 7473 soil **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
18E0514-01	030/LSB-11A	05/14/18
18E0514-03	032/LSB-11C	05/14/18
18E0514-04	033/LSB-9A	05/14/18
18E0514-05	034/LSB-9B	05/14/18
BE80677-BLK1	Blank	05/14/18
BE80677-SRM1	Reference	05/14/18

Batch ID: BE80692 **Preparation Method:** EPA SW846-3060 **Prepared By:** AD

YORK Sample ID	Client Sample ID	Preparation Date
18E0514-01	030/LSB-11A	05/14/18
18E0514-03	032/LSB-11C	05/14/18
18E0514-04	033/LSB-9A	05/14/18
18E0514-05	034/LSB-9B	05/14/18
BE80692-BLK1	Blank	05/14/18
BE80692-SRM1	Reference	05/14/18

Batch ID: BE80799 **Preparation Method:** EPA 3550C **Prepared By:** MAT

YORK Sample ID	Client Sample ID	Preparation Date
18E0514-01	030/LSB-11A	05/15/18
18E0514-01	030/LSB-11A	05/15/18
18E0514-03	032/LSB-11C	05/15/18



18E0514-03	032/LSB-11C	05/15/18
18E0514-04	033/LSB-9A	05/15/18
18E0514-04	033/LSB-9A	05/15/18
18E0514-05	034/LSB-9B	05/15/18
18E0514-05	034/LSB-9B	05/15/18
BE80799-BLK1	Blank	05/15/18
BE80799-BLK2	Blank	05/15/18
BE80799-BS1	LCS	05/15/18
BE80799-BS2	LCS	05/15/18

Batch ID: BE80836 **Preparation Method:** % Solids Prep **Prepared By:** AD

YORK Sample ID	Client Sample ID	Preparation Date
18E0514-01	030/LSB-11A	05/16/18
18E0514-03	032/LSB-11C	05/16/18
18E0514-04	033/LSB-9A	05/16/18
18E0514-05	034/LSB-9B	05/16/18

Batch ID: BE80899 **Preparation Method:** EPA 5035A **Prepared By:** RDS

YORK Sample ID	Client Sample ID	Preparation Date
18E0514-01	030/LSB-11A	05/17/18
18E0514-03	032/LSB-11C	05/17/18
18E0514-04	033/LSB-9A	05/17/18
18E0514-05	034/LSB-9B	05/17/18
BE80899-BLK1	Blank	05/17/18
BE80899-BLK2	Blank	05/17/18
BE80899-BS1	LCS	05/17/18
BE80899-BSD1	LCS Dup	05/17/18

Batch ID: BE80941 **Preparation Method:** Analysis Preparation **Prepared By:** PAM

YORK Sample ID	Client Sample ID	Preparation Date
18E0514-01	030/LSB-11A	05/17/18
18E0514-03	032/LSB-11C	05/17/18
18E0514-04	033/LSB-9A	05/17/18
18E0514-05	034/LSB-9B	05/17/18

Batch ID: BE80949 **Preparation Method:** EPA 3550C **Prepared By:** MAT

YORK Sample ID	Client Sample ID	Preparation Date
18E0514-01	030/LSB-11A	05/17/18
18E0514-03	032/LSB-11C	05/17/18
18E0514-04	033/LSB-9A	05/17/18
18E0514-05	034/LSB-9B	05/17/18
BE80949-BLK1	Blank	05/17/18
BE80949-BS1	LCS	05/17/18



Batch ID: BE80972

Preparation Method: EPA 5035A

Prepared By: RDS

YORK Sample ID	Client Sample ID	Preparation Date
18E0514-04RE1	033/LSB-9A	05/17/18
18E0514-05RE1	034/LSB-9B	05/17/18
BE80972-BLK1	Blank	05/18/18
BE80972-BLK2	Blank	05/18/18
BE80972-BS1	LCS	05/18/18
BE80972-BSD1	LCS Dup	05/18/18



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 BE80600 - EPA 5030B											
Blank (BE80600-BLK1)										Prepared & Analyzed: 05/11/2018	
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	"								
1,1-Dichloropropylene	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	"								
2,2-Dichloropropane	ND	0.500	"								
2-Butanone	ND	0.500	"								
2-Chlorotoluene	ND	0.500	"								
2-Hexanone	ND	0.500	"								
4-Chlorotoluene	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	"								
Bromobenzene	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	"								
Ethyl Benzene	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
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Batch BE80600 - EPA 5030B

Blank (BE80600-BLK1)

Prepared & Analyzed: 05/11/2018

Hexachlorobutadiene	ND	0.500	ug/L
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-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

9.87

"

10.0

98.7

70-130

Surrogate: Toluene-d8

9.82

"

10.0

98.2

70-130

Surrogate: p-Bromofluorobenzene

10.5

"

10.0

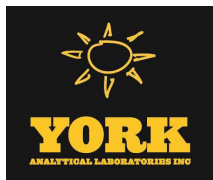
105

70-130

LCS (BE80600-BS1)

Prepared & Analyzed: 05/11/2018

1,1,1,2-Tetrachloroethane	10.6	ug/L	10.0	106	82-126	30
1,1,1-Trichloroethane	10.2	"	10.0	102	70-130	20
1,1,2,2-Tetrachloroethane	11.4	"	10.0	114	70-130	20
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.4	"	10.0	104	70-130	20
1,1,2-Trichloroethane	10.4	"	10.0	104	70-130	20
1,1-Dichloroethane	10.5	"	10.0	105	70-130	20
1,1-Dichloroethylene	10.5	"	10.0	105	70-130	20
1,1-Dichloropropylene	10.7	"	10.0	107	83-133	30
1,2,3-Trichlorobenzene	10.3	"	10.0	103	70-130	20
1,2,3-Trichloropropane	11.2	"	10.0	112	77-128	30
1,2,4-Trichlorobenzene	10.2	"	10.0	102	70-130	20
1,2,4-Trimethylbenzene	10.4	"	10.0	104	82-132	20
1,2-Dibromo-3-chloropropane	10.2	"	10.0	102	40-160	20
1,2-Dibromoethane	10.7	"	10.0	107	70-130	20
1,2-Dichlorobenzene	10.6	"	10.0	106	70-130	20
1,2-Dichloroethane	10.9	"	10.0	109	70-130	20
1,2-Dichloropropane	10.5	"	10.0	105	70-130	20
1,3,5-Trimethylbenzene	10.4	"	10.0	104	80-131	30
1,3-Dichlorobenzene	10.5	"	10.0	105	70-130	20
1,3-Dichloropropane	10.8	"	10.0	108	81-125	30
1,4-Dichlorobenzene	10.3	"	10.0	103	70-130	20
1,4-Dioxane	215	"	210	103	40-160	20
2,2-Dichloropropane	10.5	"	10.0	105	56-150	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 BE80600 - EPA 5030B											
LCS (BE80600-BS1)						Prepared & Analyzed: 05/11/2018					
2-Butanone	10.8		ug/L	10.0		108	40-160			20	
2-Chlorotoluene	10.6		"	10.0		106	79-130			30	
2-Hexanone	10.4		"	10.0		104	40-160			20	
4-Chlorotoluene	10.6		"	10.0		106	79-128			30	
4-Methyl-2-pentanone	10.7		"	10.0		107	40-160			20	
Acetone	9.12		"	10.0		91.2	40-160			20	
Acrolein	8.35		"	10.0		83.5	10-153			30	
Acrylonitrile	10.0		"	10.0		100	51-150			30	
Benzene	10.8		"	10.0		108	70-130			20	
Bromobenzene	10.6		"	10.0		106	78-129			30	
Bromochloromethane	10.9		"	10.0		109	70-130			20	
Bromodichloromethane	10.6		"	10.0		106	70-130			20	
Bromoform	10.2		"	10.0		102	70-130			20	
Bromomethane	10.3		"	10.0		103	40-160			20	
Carbon disulfide	10.9		"	10.0		109	40-160			20	
Carbon tetrachloride	10.3		"	10.0		103	70-130			20	
Chlorobenzene	10.4		"	10.0		104	70-130			20	
Chloroethane	11.5		"	10.0		115	40-160			20	
Chloroform	10.4		"	10.0		104	70-130			20	
Chloromethane	10.3		"	10.0		103	40-160			20	
cis-1,2-Dichloroethylene	10.4		"	10.0		104	70-130			20	
cis-1,3-Dichloropropylene	10.2		"	10.0		102	70-130			20	
Cyclohexane	11.0		"	10.0		110	70-130			20	
Dibromochloromethane	10.2		"	10.0		102	70-130			20	
Dibromomethane	10.6		"	10.0		106	72-134			30	
Dichlorodifluoromethane	12.3		"	10.0		123	40-160			20	
Ethyl Benzene	10.7		"	10.0		107	70-130			20	
Hexachlorobutadiene	9.71		"	10.0		97.1	67-146			30	
Isopropylbenzene	10.2		"	10.0		102	70-130			20	
Methyl acetate	10.9		"	10.0		109	70-130			20	
Methyl tert-butyl ether (MTBE)	11.0		"	10.0		110	70-130			20	
Methylcyclohexane	10.6		"	10.0		106	70-130			20	
Methylene chloride	10.2		"	10.0		102	70-130			20	
n-Butylbenzene	10.6		"	10.0		106	79-132			30	
n-Propylbenzene	10.6		"	10.0		106	78-133			30	
o-Xylene	10.7		"	10.0		107	70-130			20	
p- & m- Xylenes	21.1		"	20.0		106	70-130			20	
p-Isopropyltoluene	10.5		"	10.0		105	81-136			30	
sec-Butylbenzene	10.8		"	10.0		108	79-137			30	
Styrene	10.4		"	10.0		104	70-130			20	
tert-Butyl alcohol (TBA)	52.2		"	50.0		104	25-162			30	
tert-Butylbenzene	10.2		"	10.0		102	77-138			30	
Tetrachloroethylene	9.02		"	10.0		90.2	70-130			20	
Toluene	10.6		"	10.0		106	70-130			20	
trans-1,2-Dichloroethylene	10.4		"	10.0		104	70-130			20	
trans-1,3-Dichloropropylene	9.96		"	10.0		99.6	70-130			20	
Trichloroethylene	10.3		"	10.0		103	70-130			20	
Trichlorofluoromethane	11.1		"	10.0		111	40-160			20	
Vinyl Chloride	11.4		"	10.0		114	70-130			20	
Surrogate: 1,2-Dichloroethane-d4	10.3		"	10.0		103	70-130				
Surrogate: Toluene-d8	9.87		"	10.0		98.7	70-130				



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 BE80600 - EPA 5030B											
LCS (BE80600-BS1)						Prepared & Analyzed: 05/11/2018					
Surrogate: <i>p</i> -Bromofluorobenzene	10.0		ug/L	10.0		100	70-130				
LCS Dup (BE80600-BSD1)						Prepared & Analyzed: 05/11/2018					
1,1,1,2-Tetrachloroethane	10.7		ug/L	10.0		107	82-126		1.12	30	
1,1,1-Trichloroethane	10.7		"	10.0		107	70-130		4.59	20	
1,1,2,2-Tetrachloroethane	11.0		"	10.0		110	70-130		3.03	20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.0		"	10.0		110	70-130		5.33	20	
1,1,2-Trichloroethane	10.2		"	10.0		102	70-130		2.43	20	
1,1-Dichloroethane	11.0		"	10.0		110	70-130		4.64	20	
1,1-Dichloroethylene	11.0		"	10.0		110	70-130		4.19	20	
1,1-Dichloropropylene	11.2		"	10.0		112	83-133		5.03	30	
1,2,3-Trichlorobenzene	10.4		"	10.0		104	70-130		1.54	20	
1,2,3-Trichloropropane	11.0		"	10.0		110	77-128		2.52	30	
1,2,4-Trichlorobenzene	10.5		"	10.0		105	70-130		2.69	20	
1,2,4-Trimethylbenzene	11.2		"	10.0		112	82-132		7.25	20	
1,2-Dibromo-3-chloropropane	9.60		"	10.0		96.0	40-160		6.06	20	
1,2-Dibromoethane	10.1		"	10.0		101	70-130		5.87	20	
1,2-Dichlorobenzene	11.0		"	10.0		110	70-130		4.44	20	
1,2-Dichloroethane	10.7		"	10.0		107	70-130		1.30	20	
1,2-Dichloropropane	10.8		"	10.0		108	70-130		2.91	20	
1,3,5-Trimethylbenzene	11.2		"	10.0		112	80-131		7.67	30	
1,3-Dichlorobenzene	11.2		"	10.0		112	70-130		6.28	20	
1,3-Dichloropropane	10.6		"	10.0		106	81-125		1.78	30	
1,4-Dichlorobenzene	10.9		"	10.0		109	70-130		5.56	20	
1,4-Dioxane	109		"	210		51.9	40-160		65.5	20	Non-dir.
2,2-Dichloropropane	10.8		"	10.0		108	56-150		2.82	30	
2-Butanone	9.79		"	10.0		97.9	40-160		9.90	20	
2-Chlorotoluene	11.4		"	10.0		114	79-130		7.54	30	
2-Hexanone	9.32		"	10.0		93.2	40-160		11.2	20	
4-Chlorotoluene	11.4		"	10.0		114	79-128		7.19	30	
4-Methyl-2-pentanone	9.71		"	10.0		97.1	40-160		9.89	20	
Acetone	6.75		"	10.0		67.5	40-160		29.9	20	Non-dir.
Acrolein	7.67		"	10.0		76.7	10-153		8.49	30	
Acrylonitrile	8.74		"	10.0		87.4	51-150		13.5	30	
Benzene	11.2		"	10.0		112	70-130		3.90	20	
Bromobenzene	11.1		"	10.0		111	78-129		5.17	30	
Bromochloromethane	10.8		"	10.0		108	70-130		0.920	20	
Bromodichloromethane	10.7		"	10.0		107	70-130		1.13	20	
Bromoform	9.65		"	10.0		96.5	70-130		5.15	20	
Bromomethane	11.1		"	10.0		111	40-160		6.83	20	
Carbon disulfide	11.6		"	10.0		116	40-160		5.95	20	
Carbon tetrachloride	10.9		"	10.0		109	70-130		5.74	20	
Chlorobenzene	10.6		"	10.0		106	70-130		2.00	20	
Chloroethane	11.9		"	10.0		119	40-160		3.93	20	
Chloroform	10.8		"	10.0		108	70-130		3.39	20	
Chloromethane	10.8		"	10.0		108	40-160		4.83	20	
cis-1,2-Dichloroethylene	10.8		"	10.0		108	70-130		3.57	20	
cis-1,3-Dichloropropylene	10.2		"	10.0		102	70-130		0.0980	20	
Cyclohexane	11.6		"	10.0		116	70-130		5.14	20	
Dibromochloromethane	10.0		"	10.0		100	70-130		1.68	20	
Dibromomethane	10.2		"	10.0		102	72-134		4.03	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
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Batch BE80600 - EPA 5030B

LCS Dup (BE80600-BSD1)

Prepared & Analyzed: 05/11/2018

Dichlorodifluoromethane	13.1		ug/L	10.0		131	40-160		6.13	20	
Ethyl Benzene	11.1		"	10.0		111	70-130		3.95	20	
Hexachlorobutadiene	10.4		"	10.0		104	67-146		6.48	30	
Isopropylbenzene	11.1		"	10.0		111	70-130		8.61	20	
Methyl acetate	9.97		"	10.0		99.7	70-130		9.19	20	
Methyl tert-butyl ether (MTBE)	10.8		"	10.0		108	70-130		2.03	20	
Methylcyclohexane	11.1		"	10.0		111	70-130		4.52	20	
Methylene chloride	10.3		"	10.0		103	70-130		0.878	20	
n-Butylbenzene	11.6		"	10.0		116	79-132		9.09	30	
n-Propylbenzene	11.5		"	10.0		115	78-133		7.79	30	
o-Xylene	11.0		"	10.0		110	70-130		2.78	20	
p- & m- Xylenes	21.9		"	20.0		110	70-130		3.62	20	
p-Isopropyltoluene	11.4		"	10.0		114	81-136		8.49	30	
sec-Butylbenzene	11.7		"	10.0		117	79-137		8.18	30	
Styrene	10.6		"	10.0		106	70-130		2.00	20	
tert-Butyl alcohol (TBA)	37.2		"	50.0		74.4	25-162		33.6	30	Non-dir.
tert-Butylbenzene	11.0		"	10.0		110	77-138		7.06	30	
Tetrachloroethylene	9.40		"	10.0		94.0	70-130		4.13	20	
Toluene	11.0		"	10.0		110	70-130		3.72	20	
trans-1,2-Dichloroethylene	10.8		"	10.0		108	70-130		3.87	20	
trans-1,3-Dichloropropylene	9.86		"	10.0		98.6	70-130		1.01	20	
Trichloroethylene	10.9		"	10.0		109	70-130		5.84	20	
Trichlorofluoromethane	11.7		"	10.0		117	40-160		5.08	20	
Vinyl Chloride	12.0		"	10.0		120	70-130		5.31	20	
Surrogate: 1,2-Dichloroethane-d4	9.91		"	10.0		99.1	70-130				
Surrogate: Toluene-d8	9.85		"	10.0		98.5	70-130				
Surrogate: p-Bromofluorobenzene	10.3		"	10.0		103	70-130				



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
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Batch BE80899 - EPA 5035A

Blank (BE80899-BLK1)

Prepared & Analyzed: 05/17/2018

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	"
1,1-Dichloropropylene	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	"
1,3-Dichloropropane	ND	0.0050	"
1,4-Dichlorobenzene	ND	0.0050	"
1,4-Dioxane	ND	0.10	"
2,2-Dichloropropane	ND	0.0050	"
2-Butanone	ND	0.0050	"
2-Chlorotoluene	ND	0.0050	"
2-Hexanone	ND	0.0050	"
4-Chlorotoluene	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	"
Bromobenzene	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	"



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
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Batch BE80899 - EPA 5035A

Blank (BE80899-BLK1)

Prepared & Analyzed: 05/17/2018

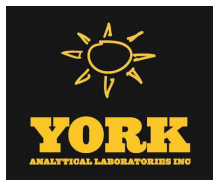
Isopropylbenzene	ND	0.0050	mg/kg wet
Methyl acetate	ND	0.0050	"
Methyl tert-butyl ether (MTBE)	ND	0.0050	"
Methylcyclohexane	ND	0.0050	"
Methylene chloride	ND	0.010	"
n-Butylbenzene	ND	0.0050	"
n-Propylbenzene	ND	0.0050	"
o-Xylene	ND	0.0050	"
p- & m- Xylenes	ND	0.010	"
p-Isopropyltoluene	ND	0.0050	"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

Surrogate: 1,2-Dichloroethane-d4	44.9	ug/L	50.0	89.7	77-125
Surrogate: Toluene-d8	50.6	"	50.0	101	85-120
Surrogate: p-Bromofluorobenzene	55.7	"	50.0	111	76-130

Blank (BE80899-BLK2)

Prepared & Analyzed: 05/17/2018

1,1,1,2-Tetrachloroethane	ND	0.50	mg/kg wet
1,1,1-Trichloroethane	ND	0.50	"
1,1,2,2-Tetrachloroethane	ND	0.50	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"
1,1,2-Trichloroethane	ND	0.50	"
1,1-Dichloroethane	ND	0.50	"
1,1-Dichloroethylene	ND	0.50	"
1,1-Dichloropropylene	ND	0.50	"
1,2,3-Trichlorobenzene	ND	0.50	"
1,2,3-Trichloropropane	ND	0.50	"
1,2,4-Trichlorobenzene	ND	0.50	"
1,2,4-Trimethylbenzene	ND	0.50	"
1,2-Dibromo-3-chloropropane	ND	0.50	"
1,2-Dibromoethane	ND	0.50	"
1,2-Dichlorobenzene	ND	0.50	"
1,2-Dichloroethane	ND	0.50	"
1,2-Dichloropropane	ND	0.50	"
1,3,5-Trimethylbenzene	ND	0.50	"
1,3-Dichlorobenzene	ND	0.50	"
1,3-Dichloropropane	ND	0.50	"
1,4-Dichlorobenzene	ND	0.50	"
1,4-Dioxane	ND	10	"
2,2-Dichloropropane	ND	0.50	"
2-Butanone	ND	0.50	"



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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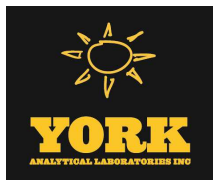
Batch BE80899 - EPA 5035A

Blank (BE80899-BLK2)

Prepared & Analyzed: 05/17/2018

2-Chlorotoluene	ND	0.50	mg/kg wet
2-Hexanone	ND	0.50	"
4-Chlorotoluene	ND	0.50	"
4-Methyl-2-pentanone	ND	0.50	"
Acetone	ND	1.0	"
Acrolein	ND	1.0	"
Acrylonitrile	ND	0.50	"
Benzene	ND	0.50	"
Bromobenzene	ND	0.50	"
Bromochloromethane	ND	0.50	"
Bromodichloromethane	ND	0.50	"
Bromoform	ND	0.50	"
Bromomethane	ND	0.50	"
Carbon disulfide	ND	0.50	"
Carbon tetrachloride	ND	0.50	"
Chlorobenzene	ND	0.50	"
Chloroethane	ND	0.50	"
Chloroform	ND	0.50	"
Chloromethane	ND	0.50	"
cis-1,2-Dichloroethylene	ND	0.50	"
cis-1,3-Dichloropropylene	ND	0.50	"
Cyclohexane	ND	0.50	"
Dibromochloromethane	ND	0.50	"
Dibromomethane	ND	0.50	"
Dichlorodifluoromethane	ND	0.50	"
Ethyl Benzene	ND	0.50	"
Hexachlorobutadiene	ND	0.50	"
Isopropylbenzene	ND	0.50	"
Methyl acetate	ND	0.50	"
Methyl tert-butyl ether (MTBE)	ND	0.50	"
Methylcyclohexane	ND	0.50	"
Methylene chloride	ND	1.0	"
n-Butylbenzene	ND	0.50	"
n-Propylbenzene	ND	0.50	"
o-Xylene	ND	0.50	"
p- & m- Xylenes	ND	1.0	"
p-Isopropyltoluene	ND	0.50	"
sec-Butylbenzene	ND	0.50	"
Styrene	ND	0.50	"
tert-Butyl alcohol (TBA)	ND	0.50	"
tert-Butylbenzene	ND	0.50	"
Tetrachloroethylene	ND	0.50	"
Toluene	ND	0.50	"
trans-1,2-Dichloroethylene	ND	0.50	"
trans-1,3-Dichloropropylene	ND	0.50	"
Trichloroethylene	ND	0.50	"
Trichlorofluoromethane	ND	0.50	"
Vinyl Chloride	ND	0.50	"
Xylenes, Total	ND	1.5	"

Surrogate: 1,2-Dichloroethane-d4	49.2	ug/L	50.0	98.3	77-125
Surrogate: Toluene-d8	50.1	"	50.0	100	85-120



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 BE80899 - EPA 5035A											
Blank (BE80899-BLK2)						Prepared & Analyzed: 05/17/2018					
Surrogate: <i>p</i> -Bromofluorobenzene	50.8		ug/L	50.0		102	76-130				
LCS (BE80899-BS1)						Prepared & Analyzed: 05/17/2018					
1,1,1,2-Tetrachloroethane	52.5		ug/L	50.0		105	75-129			30	
1,1,1-Trichloroethane	52.6		"	50.0		105	70-130			30	
1,1,2,2-Tetrachloroethane	47.8		"	50.0		95.5	70-130			30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	58.8		"	50.0		118	70-130			30	
1,1,2-Trichloroethane	47.5		"	50.0		95.1	70-130			30	
1,1-Dichloroethane	50.2		"	50.0		100	70-130			30	
1,1-Dichloroethylene	51.8		"	50.0		104	70-130			30	
1,1-Dichloropropylene	50.5		"	50.0		101	77-127			30	
1,2,3-Trichlorobenzene	54.5		"	50.0		109	70-130			30	
1,2,3-Trichloropropane	49.0		"	50.0		98.0	81-126			30	
1,2,4-Trichlorobenzene	54.3		"	50.0		109	70-130			30	
1,2,4-Trimethylbenzene	53.1		"	50.0		106	84-125			30	
1,2-Dibromo-3-chloropropane	46.9		"	50.0		93.7	40-160			30	
1,2-Dibromoethane	50.3		"	50.0		101	70-130			30	
1,2-Dichlorobenzene	54.7		"	50.0		109	70-130			30	
1,2-Dichloroethane	49.1		"	50.0		98.2	70-130			30	
1,2-Dichloropropane	44.8		"	50.0		89.6	70-130			30	
1,3,5-Trimethylbenzene	53.4		"	50.0		107	82-126			30	
1,3-Dichlorobenzene	55.2		"	50.0		110	70-130			30	
1,3-Dichloropropane	47.4		"	50.0		94.9	83-123			30	
1,4-Dichlorobenzene	55.0		"	50.0		110	70-130			30	
1,4-Dioxane	1100		"	1050		105	40-160			30	
2,2-Dichloropropane	53.9		"	50.0		108	67-136			30	
2-Butanone	49.2		"	50.0		98.4	40-160			30	
2-Chlorotoluene	51.2		"	50.0		102	78-127			30	
2-Hexanone	51.2		"	50.0		102	40-160			30	
4-Chlorotoluene	52.1		"	50.0		104	79-125			30	
4-Methyl-2-pentanone	48.1		"	50.0		96.2	40-160			30	
Acetone	49.4		"	50.0		98.8	40-160			30	
Acrolein	52.9		"	50.0		106	10-238			30	
Acrylonitrile	50.2		"	50.0		100	66-141			30	
Benzene	52.4		"	50.0		105	70-130			30	
Bromobenzene	46.8		"	50.0		93.6	77-129			30	
Bromochloromethane	51.5		"	50.0		103	70-130			30	
Bromodichloromethane	48.0		"	50.0		95.9	70-130			30	
Bromoform	55.0		"	50.0		110	70-130			30	
Bromomethane	63.9		"	50.0		128	40-160			30	
Carbon disulfide	56.5		"	50.0		113	40-160			30	
Carbon tetrachloride	52.7		"	50.0		105	70-130			30	
Chlorobenzene	53.8		"	50.0		108	70-130			30	
Chloroethane	48.9		"	50.0		97.8	51-142			30	
Chloroform	51.9		"	50.0		104	70-130			30	
Chloromethane	50.8		"	50.0		102	49-132			30	
cis-1,2-Dichloroethylene	51.3		"	50.0		103	70-130			30	
cis-1,3-Dichloropropylene	46.4		"	50.0		92.8	70-130			30	
Cyclohexane	59.4		"	50.0		119	70-130			30	
Dibromochloromethane	52.2		"	50.0		104	70-130			30	
Dibromomethane	46.3		"	50.0		92.6	83-124			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
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Batch BE80899 - EPA 5035A

LCS (BE80899-BS1)

Prepared & Analyzed: 05/17/2018

Dichlorodifluoromethane	56.9		ug/L	50.0		114	40-160			30	
Ethyl Benzene	52.6		"	50.0		105	70-130			30	
Hexachlorobutadiene	54.4		"	50.0		109	83-133			30	
Isopropylbenzene	51.5		"	50.0		103	70-130			30	
Methyl acetate	60.4		"	50.0		121	70-130			30	
Methyl tert-butyl ether (MTBE)	51.1		"	50.0		102	70-130			30	
Methylcyclohexane	50.3		"	50.0		101	70-130			30	
Methylene chloride	50.8		"	50.0		102	70-130			30	
n-Butylbenzene	53.2		"	50.0		106	80-130			30	
n-Propylbenzene	51.1		"	50.0		102	74-136			30	
o-Xylene	52.0		"	50.0		104	70-130			30	
p- & m- Xylenes	94.7		"	100		94.7	70-130			30	
p-Isopropyltoluene	60.6		"	50.0		121	85-125			30	
sec-Butylbenzene	56.4		"	50.0		113	83-125			30	
Styrene	52.4		"	50.0		105	70-130			30	
tert-Butyl alcohol (TBA)	243		"	250		97.3	70-130			30	
tert-Butylbenzene	43.6		"	50.0		87.2	80-127			30	
Tetrachloroethylene	52.2		"	50.0		104	70-130			30	
Toluene	51.3		"	50.0		103	70-130			30	
trans-1,2-Dichloroethylene	47.8		"	50.0		95.6	70-130			30	
trans-1,3-Dichloropropylene	46.4		"	50.0		92.8	70-130			30	
Trichloroethylene	49.6		"	50.0		99.2	70-130			30	
Trichlorofluoromethane	51.4		"	50.0		103	40-160			30	
Vinyl Chloride	50.1		"	50.0		100	70-130			30	
Surrogate: 1,2-Dichloroethane-d4	48.1		"	50.0		96.1	77-125				
Surrogate: Toluene-d8	48.0		"	50.0		96.0	85-120				
Surrogate: p-Bromofluorobenzene	51.2		"	50.0		102	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE80899 - EPA 5035A											
LCS Dup (BE80899-BSD1)						Prepared & Analyzed: 05/17/2018					
1,1,1,2-Tetrachloroethane	52.1		ug/L	50.0		104	75-129		0.841	30	
1,1,1-Trichloroethane	51.9		"	50.0		104	70-130		1.32	30	
1,1,2,2-Tetrachloroethane	46.6		"	50.0		93.1	70-130		2.54	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	58.6		"	50.0		117	70-130		0.341	30	
1,1,2-Trichloroethane	47.9		"	50.0		95.9	70-130		0.838	30	
1,1-Dichloroethane	50.7		"	50.0		101	70-130		1.01	30	
1,1-Dichloroethylene	50.1		"	50.0		100	70-130		3.42	30	
1,1-Dichloropropylene	50.9		"	50.0		102	77-127		0.730	30	
1,2,3-Trichlorobenzene	55.4		"	50.0		111	70-130		1.64	30	
1,2,3-Trichloropropane	47.5		"	50.0		95.0	81-126		3.15	30	
1,2,4-Trichlorobenzene	53.7		"	50.0		107	70-130		1.07	30	
1,2,4-Trimethylbenzene	54.5		"	50.0		109	84-125		2.66	30	
1,2-Dibromo-3-chloropropane	50.7		"	50.0		101	40-160		7.93	30	
1,2-Dibromoethane	49.4		"	50.0		98.9	70-130		1.62	30	
1,2-Dichlorobenzene	55.3		"	50.0		111	70-130		1.13	30	
1,2-Dichloroethane	48.4		"	50.0		96.9	70-130		1.37	30	
1,2-Dichloropropane	46.5		"	50.0		92.9	70-130		3.70	30	
1,3,5-Trimethylbenzene	53.7		"	50.0		107	82-126		0.411	30	
1,3-Dichlorobenzene	55.1		"	50.0		110	70-130		0.127	30	
1,3-Dichloropropane	47.1		"	50.0		94.2	83-123		0.698	30	
1,4-Dichlorobenzene	55.2		"	50.0		110	70-130		0.436	30	
1,4-Dioxane	1020		"	1050		97.3	40-160		7.25	30	
2,2-Dichloropropane	50.1		"	50.0		100	67-136		7.35	30	
2-Butanone	44.7		"	50.0		89.4	40-160		9.56	30	
2-Chlorotoluene	51.1		"	50.0		102	78-127		0.313	30	
2-Hexanone	47.8		"	50.0		95.7	40-160		6.67	30	
4-Chlorotoluene	52.5		"	50.0		105	79-125		0.784	30	
4-Methyl-2-pentanone	43.9		"	50.0		87.8	40-160		9.22	30	
Acetone	44.7		"	50.0		89.4	40-160		10.0	30	
Acrolein	48.6		"	50.0		97.2	10-238		8.51	30	
Acrylonitrile	47.1		"	50.0		94.3	66-141		6.25	30	
Benzene	51.5		"	50.0		103	70-130		1.69	30	
Bromobenzene	47.0		"	50.0		94.0	77-129		0.469	30	
Bromochloromethane	49.1		"	50.0		98.3	70-130		4.61	30	
Bromodichloromethane	48.4		"	50.0		96.9	70-130		0.975	30	
Bromoform	54.4		"	50.0		109	70-130		1.06	30	
Bromomethane	63.0		"	50.0		126	40-160		1.47	30	
Carbon disulfide	57.2		"	50.0		114	40-160		1.16	30	
Carbon tetrachloride	53.3		"	50.0		107	70-130		1.11	30	
Chlorobenzene	53.4		"	50.0		107	70-130		0.653	30	
Chloroethane	47.6		"	50.0		95.1	51-142		2.76	30	
Chloroform	51.2		"	50.0		102	70-130		1.20	30	
Chloromethane	51.3		"	50.0		103	49-132		1.08	30	
cis-1,2-Dichloroethylene	51.2		"	50.0		102	70-130		0.234	30	
cis-1,3-Dichloropropylene	45.8		"	50.0		91.6	70-130		1.32	30	
Cyclohexane	54.4		"	50.0		109	70-130		8.84	30	
Dibromochloromethane	52.1		"	50.0		104	70-130		0.192	30	
Dibromomethane	45.3		"	50.0		90.6	83-124		2.16	30	
Dichlorodifluoromethane	58.9		"	50.0		118	40-160		3.49	30	
Ethyl Benzene	51.5		"	50.0		103	70-130		2.13	30	
Hexachlorobutadiene	55.0		"	50.0		110	83-133		1.02	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
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Batch BE80899 - EPA 5035A

LCS Dup (BE80899-BSD1)

Prepared & Analyzed: 05/17/2018

Isopropylbenzene	52.1		ug/L	50.0		104	70-130		1.12	30	
Methyl acetate	54.8		"	50.0		110	70-130		9.79	30	
Methyl tert-butyl ether (MTBE)	49.7		"	50.0		99.3	70-130		2.84	30	
Methylcyclohexane	51.0		"	50.0		102	70-130		1.26	30	
Methylene chloride	50.6		"	50.0		101	70-130		0.355	30	
n-Butylbenzene	54.6		"	50.0		109	80-130		2.63	30	
n-Propylbenzene	51.6		"	50.0		103	74-136		0.974	30	
o-Xylene	51.8		"	50.0		104	70-130		0.250	30	
p- & m- Xylenes	95.2		"	100		95.2	70-130		0.611	30	
p-Isopropyltoluene	61.6		"	50.0		123	85-125		1.60	30	
sec-Butylbenzene	57.1		"	50.0		114	83-125		1.20	30	
Styrene	52.1		"	50.0		104	70-130		0.594	30	
tert-Butyl alcohol (TBA)	229		"	250		91.6	70-130		5.97	30	
tert-Butylbenzene	44.3		"	50.0		88.6	80-127		1.62	30	
Tetrachloroethylene	52.0		"	50.0		104	70-130		0.403	30	
Toluene	51.2		"	50.0		102	70-130		0.176	30	
trans-1,2-Dichloroethylene	48.2		"	50.0		96.4	70-130		0.875	30	
trans-1,3-Dichloropropylene	46.4		"	50.0		92.7	70-130		0.0647	30	
Trichloroethylene	48.7		"	50.0		97.4	70-130		1.89	30	
Trichlorofluoromethane	50.6		"	50.0		101	40-160		1.59	30	
Vinyl Chloride	50.4		"	50.0		101	70-130		0.637	30	
Surrogate: 1,2-Dichloroethane-d4	47.3		"	50.0		94.5	77-125				
Surrogate: Toluene-d8	48.8		"	50.0		97.7	85-120				
Surrogate: p-Bromofluorobenzene	52.5		"	50.0		105	76-130				

Batch BE80972 - EPA 5035A

Blank (BE80972-BLK1)

Prepared & Analyzed: 05/18/2018

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	"								
1,1-Dichloropropylene	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	"								
1,3-Dichloropropane	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2,2-Dichloropropane	ND	0.0050	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE80972 - EPA 5035A

Blank (BE80972-BLK1)

Prepared & Analyzed: 05/18/2018

2-Butanone	ND	0.0050	mg/kg wet								
2-Chlorotoluene	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Chlorotoluene	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	"								
Bromobenzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
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 48.8 ug/L 50.0 97.6 77-125



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
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Batch BE80972 - EPA 5035A

Blank (BE80972-BLK1)

Prepared & Analyzed: 05/18/2018

Surrogate: Toluene-d8	49.0		ug/L	50.0		98.1	85-120				
Surrogate: p-Bromofluorobenzene	53.8		"	50.0		108	76-130				

Blank (BE80972-BLK2)

Prepared & Analyzed: 05/18/2018

1,1,1,2-Tetrachloroethane	ND	0.50	mg/kg wet
1,1,1-Trichloroethane	ND	0.50	"
1,1,2,2-Tetrachloroethane	ND	0.50	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"
1,1,2-Trichloroethane	ND	0.50	"
1,1-Dichloroethane	ND	0.50	"
1,1-Dichloroethylene	ND	0.50	"
1,1-Dichloropropylene	ND	0.50	"
1,2,3-Trichlorobenzene	ND	0.50	"
1,2,3-Trichloropropane	ND	0.50	"
1,2,4-Trichlorobenzene	ND	0.50	"
1,2,4-Trimethylbenzene	ND	0.50	"
1,2-Dibromo-3-chloropropane	ND	0.50	"
1,2-Dibromoethane	ND	0.50	"
1,2-Dichlorobenzene	ND	0.50	"
1,2-Dichloroethane	ND	0.50	"
1,2-Dichloropropane	ND	0.50	"
1,3,5-Trimethylbenzene	ND	0.50	"
1,3-Dichlorobenzene	ND	0.50	"
1,3-Dichloropropane	ND	0.50	"
1,4-Dichlorobenzene	ND	0.50	"
1,4-Dioxane	ND	10	"
2,2-Dichloropropane	ND	0.50	"
2-Butanone	ND	0.50	"
2-Chlorotoluene	ND	0.50	"
2-Hexanone	ND	0.50	"
4-Chlorotoluene	ND	0.50	"
4-Methyl-2-pentanone	ND	0.50	"
Acetone	ND	1.0	"
Acrolein	ND	1.0	"
Acrylonitrile	ND	0.50	"
Benzene	ND	0.50	"
Bromobenzene	ND	0.50	"
Bromochloromethane	ND	0.50	"
Bromodichloromethane	ND	0.50	"
Bromoform	ND	0.50	"
Bromomethane	ND	0.50	"
Carbon disulfide	ND	0.50	"
Carbon tetrachloride	ND	0.50	"
Chlorobenzene	ND	0.50	"
Chloroethane	ND	0.50	"
Chloroform	ND	0.50	"
Chloromethane	ND	0.50	"
cis-1,2-Dichloroethylene	ND	0.50	"
cis-1,3-Dichloropropylene	ND	0.50	"
Cyclohexane	ND	0.50	"
Dibromochloromethane	ND	0.50	"



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

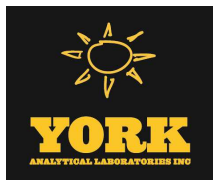
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE80972 - EPA 5035A

Blank (BE80972-BLK2)

Prepared & Analyzed: 05/18/2018

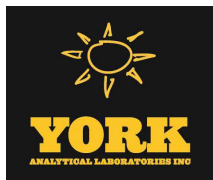
Dibromomethane	ND	0.50	mg/kg wet								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								
Methylene chloride	0.70	1.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: 1,2-Dichloroethane-d4	50.5		ug/L	50.0		101	77-125				
Surrogate: Toluene-d8	48.6		"	50.0		97.1	85-120				
Surrogate: p-Bromofluorobenzene	54.3		"	50.0		109	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 BE80972 - EPA 5035A											
LCS (BE80972-BS1)						Prepared & Analyzed: 05/18/2018					
1,1,1,2-Tetrachloroethane	47.4		ug/L	50.0		94.7	75-129			30	
1,1,1-Trichloroethane	47.0		"	50.0		94.0	70-130			30	
1,1,2,2-Tetrachloroethane	47.7		"	50.0		95.4	70-130			30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	50.3		"	50.0		101	70-130			30	
1,1,2-Trichloroethane	44.0		"	50.0		88.1	70-130			30	
1,1-Dichloroethane	45.3		"	50.0		90.5	70-130			30	
1,1-Dichloroethylene	43.4		"	50.0		86.8	70-130			30	
1,1-Dichloropropylene	44.7		"	50.0		89.4	77-127			30	
1,2,3-Trichlorobenzene	49.1		"	50.0		98.3	70-130			30	
1,2,3-Trichloropropane	48.0		"	50.0		95.9	81-126			30	
1,2,4-Trichlorobenzene	47.3		"	50.0		94.5	70-130			30	
1,2,4-Trimethylbenzene	47.5		"	50.0		95.0	84-125			30	
1,2-Dibromo-3-chloropropane	47.1		"	50.0		94.2	40-160			30	
1,2-Dibromoethane	46.0		"	50.0		92.0	70-130			30	
1,2-Dichlorobenzene	48.3		"	50.0		96.5	70-130			30	
1,2-Dichloroethane	43.8		"	50.0		87.6	70-130			30	
1,2-Dichloropropane	40.8		"	50.0		81.7	70-130			30	
1,3,5-Trimethylbenzene	47.4		"	50.0		94.8	82-126			30	
1,3-Dichlorobenzene	47.4		"	50.0		94.7	70-130			30	
1,3-Dichloropropane	42.6		"	50.0		85.3	83-123			30	
1,4-Dichlorobenzene	47.8		"	50.0		95.5	70-130			30	
1,4-Dioxane	991		"	1050		94.4	40-160			30	
2,2-Dichloropropane	51.0		"	50.0		102	67-136			30	
2-Butanone	42.8		"	50.0		85.6	40-160			30	
2-Chlorotoluene	46.0		"	50.0		92.1	78-127			30	
2-Hexanone	46.4		"	50.0		92.8	40-160			30	
4-Chlorotoluene	44.0		"	50.0		88.0	79-125			30	
4-Methyl-2-pentanone	42.9		"	50.0		85.7	40-160			30	
Acetone	35.4		"	50.0		70.9	40-160			30	
Acrolein	43.2		"	50.0		86.3	10-238			30	
Acrylonitrile	47.2		"	50.0		94.5	66-141			30	
Benzene	45.1		"	50.0		90.1	70-130			30	
Bromobenzene	44.0		"	50.0		88.0	77-129			30	
Bromochloromethane	46.9		"	50.0		93.8	70-130			30	
Bromodichloromethane	44.0		"	50.0		88.0	70-130			30	
Bromoform	49.7		"	50.0		99.4	70-130			30	
Bromomethane	58.1		"	50.0		116	40-160			30	
Carbon disulfide	49.9		"	50.0		99.8	40-160			30	
Carbon tetrachloride	45.9		"	50.0		91.9	70-130			30	
Chlorobenzene	47.4		"	50.0		94.9	70-130			30	
Chloroethane	40.3		"	50.0		80.7	51-142			30	
Chloroform	46.2		"	50.0		92.5	70-130			30	
Chloromethane	41.1		"	50.0		82.1	49-132			30	
cis-1,2-Dichloroethylene	46.2		"	50.0		92.4	70-130			30	
cis-1,3-Dichloropropylene	42.0		"	50.0		84.0	70-130			30	
Cyclohexane	46.1		"	50.0		92.2	70-130			30	
Dibromochloromethane	49.2		"	50.0		98.4	70-130			30	
Dibromomethane	42.6		"	50.0		85.1	83-124			30	
Dichlorodifluoromethane	44.0		"	50.0		87.9	40-160			30	
Ethyl Benzene	45.1		"	50.0		90.2	70-130			30	
Hexachlorobutadiene	51.4		"	50.0		103	83-133			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 BE80972 - EPA 5035A											
LCS (BE80972-BS1)						Prepared & Analyzed: 05/18/2018					
Isopropylbenzene	47.0		ug/L	50.0		94.0	70-130			30	
Methyl acetate	59.9		"	50.0		120	70-130			30	
Methyl tert-butyl ether (MTBE)	46.3		"	50.0		92.6	70-130			30	
Methylcyclohexane	44.4		"	50.0		88.7	70-130			30	
Methylene chloride	49.7		"	50.0		99.5	70-130			30	
n-Butylbenzene	43.2		"	50.0		86.5	80-130			30	
n-Propylbenzene	46.0		"	50.0		92.0	74-136			30	
o-Xylene	43.2		"	50.0		86.4	70-130			30	
p- & m- Xylenes	80.4		"	100		80.4	70-130			30	
p-Isopropyltoluene	51.6		"	50.0		103	85-125			30	
sec-Butylbenzene	50.2		"	50.0		100	83-125			30	
Styrene	42.9		"	50.0		85.9	70-130			30	
tert-Butyl alcohol (TBA)	249		"	250		99.5	70-130			30	
tert-Butylbenzene	40.0		"	50.0		80.0	80-127			30	
Tetrachloroethylene	45.7		"	50.0		91.4	70-130			30	
Toluene	44.9		"	50.0		89.8	70-130			30	
trans-1,2-Dichloroethylene	42.1		"	50.0		84.2	70-130			30	
trans-1,3-Dichloropropylene	42.0		"	50.0		84.0	70-130			30	
Trichloroethylene	45.0		"	50.0		90.0	70-130			30	
Trichlorofluoromethane	44.2		"	50.0		88.4	40-160			30	
Vinyl Chloride	40.3		"	50.0		80.5	70-130			30	
Surrogate: 1,2-Dichloroethane-d4	50.6		"	50.0		101	77-125				
Surrogate: Toluene-d8	49.6		"	50.0		99.2	85-120				
Surrogate: p-Bromofluorobenzene	54.4		"	50.0		109	76-130				
LCS Dup (BE80972-BS1)						Prepared & Analyzed: 05/18/2018					
1,1,1,2-Tetrachloroethane	43.7		ug/L	50.0		87.4	75-129		8.02	30	
1,1,1-Trichloroethane	41.9		"	50.0		83.7	70-130		11.6	30	
1,1,2,2-Tetrachloroethane	42.1		"	50.0		84.1	70-130		12.5	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	46.8		"	50.0		93.7	70-130		7.14	30	
1,1,2-Trichloroethane	40.0		"	50.0		80.0	70-130		9.61	30	
1,1-Dichloroethane	41.4		"	50.0		82.8	70-130		8.93	30	
1,1-Dichloroethylene	40.8		"	50.0		81.7	70-130		6.15	30	
1,1-Dichloropropylene	40.8		"	50.0		81.5	77-127		9.27	30	
1,2,3-Trichlorobenzene	49.1		"	50.0		98.1	70-130		0.122	30	
1,2,3-Trichloropropane	45.6		"	50.0		91.3	81-126		4.91	30	
1,2,4-Trichlorobenzene	47.6		"	50.0		95.1	70-130		0.612	30	
1,2,4-Trimethylbenzene	48.7		"	50.0		97.5	84-125		2.56	30	
1,2-Dibromo-3-chloropropane	44.5		"	50.0		88.9	40-160		5.77	30	
1,2-Dibromoethane	41.9		"	50.0		83.8	70-130		9.35	30	
1,2-Dichlorobenzene	45.7		"	50.0		91.5	70-130		5.40	30	
1,2-Dichloroethane	40.3		"	50.0		80.6	70-130		8.35	30	
1,2-Dichloropropane	38.5		"	50.0		77.1	70-130		5.82	30	
1,3,5-Trimethylbenzene	49.7		"	50.0		99.5	82-126		4.76	30	
1,3-Dichlorobenzene	46.9		"	50.0		93.8	70-130		0.997	30	
1,3-Dichloropropane	39.0		"	50.0		78.1	83-123	Low Bias	8.79	30	
1,4-Dichlorobenzene	46.7		"	50.0		93.3	70-130		2.31	30	
1,4-Dioxane	925		"	1050		88.1	40-160		6.82	30	
2,2-Dichloropropane	44.4		"	50.0		88.9	67-136		13.7	30	
2-Butanone	37.1		"	50.0		74.1	40-160		14.3	30	
2-Chlorotoluene	47.8		"	50.0		95.5	78-127		3.67	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 BE80972 - EPA 5035A											
LCS Dup (BE80972-BSD1)						Prepared & Analyzed: 05/18/2018					
2-Hexanone	40.8		ug/L	50.0		81.6	40-160		12.8	30	
4-Chlorotoluene	48.0		"	50.0		96.1	79-125		8.84	30	
4-Methyl-2-pentanone	38.8		"	50.0		77.5	40-160		10.1	30	
Acetone	33.4		"	50.0		66.9	40-160		5.81	30	
Acrolein	38.5		"	50.0		77.0	10-238		11.4	30	
Acrylonitrile	40.5		"	50.0		80.9	66-141		15.5	30	
Benzene	42.0		"	50.0		84.0	70-130		6.98	30	
Bromobenzene	41.8		"	50.0		83.7	77-129		4.99	30	
Bromochloromethane	41.8		"	50.0		83.7	70-130		11.3	30	
Bromodichloromethane	40.8		"	50.0		81.6	70-130		7.55	30	
Bromoform	46.0		"	50.0		92.0	70-130		7.69	30	
Bromomethane	50.8		"	50.0		102	40-160		13.3	30	
Carbon disulfide	46.3		"	50.0		92.6	40-160		7.50	30	
Carbon tetrachloride	42.3		"	50.0		84.6	70-130		8.20	30	
Chlorobenzene	43.4		"	50.0		86.9	70-130		8.85	30	
Chloroethane	36.7		"	50.0		73.4	51-142		9.42	30	
Chloroform	43.2		"	50.0		86.3	70-130		6.91	30	
Chloromethane	38.8		"	50.0		77.6	49-132		5.71	30	
cis-1,2-Dichloroethylene	42.3		"	50.0		84.6	70-130		8.81	30	
cis-1,3-Dichloropropylene	38.4		"	50.0		76.8	70-130		8.98	30	
Cyclohexane	42.8		"	50.0		85.6	70-130		7.43	30	
Dibromochloromethane	43.6		"	50.0		87.3	70-130		12.0	30	
Dibromomethane	39.7		"	50.0		79.4	83-124	Low Bias	6.95	30	
Dichlorodifluoromethane	40.8		"	50.0		81.6	40-160		7.41	30	
Ethyl Benzene	42.6		"	50.0		85.2	70-130		5.68	30	
Hexachlorobutadiene	48.5		"	50.0		97.0	83-133		5.67	30	
Isopropylbenzene	45.2		"	50.0		90.4	70-130		3.91	30	
Methyl acetate	51.5		"	50.0		103	70-130		15.2	30	
Methyl tert-butyl ether (MTBE)	41.6		"	50.0		83.3	70-130		10.6	30	
Methylcyclohexane	40.4		"	50.0		80.9	70-130		9.27	30	
Methylene chloride	45.3		"	50.0		90.6	70-130		9.30	30	
n-Butylbenzene	42.5		"	50.0		85.1	80-130		1.63	30	
n-Propylbenzene	46.1		"	50.0		92.2	74-136		0.195	30	
o-Xylene	42.6		"	50.0		85.3	70-130		1.26	30	
p- & m- Xylenes	78.7		"	100		78.7	70-130		2.19	30	
p-Isopropyltoluene	49.8		"	50.0		99.7	85-125		3.57	30	
sec-Butylbenzene	48.8		"	50.0		97.6	83-125		2.87	30	
Styrene	41.8		"	50.0		83.7	70-130		2.55	30	
tert-Butyl alcohol (TBA)	208		"	250		83.3	70-130		17.7	30	
tert-Butylbenzene	39.1		"	50.0		78.3	80-127	Low Bias	2.17	30	
Tetrachloroethylene	41.2		"	50.0		82.3	70-130		10.4	30	
Toluene	41.9		"	50.0		83.8	70-130		6.89	30	
trans-1,2-Dichloroethylene	39.2		"	50.0		78.5	70-130		7.08	30	
trans-1,3-Dichloropropylene	37.9		"	50.0		75.8	70-130		10.2	30	
Trichloroethylene	41.6		"	50.0		83.2	70-130		7.83	30	
Trichlorofluoromethane	38.6		"	50.0		77.2	40-160		13.5	30	
Vinyl Chloride	37.4		"	50.0		74.9	70-130		7.26	30	
Surrogate: 1,2-Dichloroethane-d4	48.0		"	50.0		96.0	77-125				
Surrogate: Toluene-d8	49.3		"	50.0		98.6	85-120				
Surrogate: p-Bromofluorobenzene	54.0		"	50.0		108	76-130				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE80949 - EPA 3550C

Blank (BE80949-BLK1)

Prepared: 05/17/2018 Analyzed: 05/18/2018

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
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Batch BE80949 - EPA 3550C

Blank (BE80949-BLK1)

Prepared: 05/17/2018 Analyzed: 05/18/2018

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	"
Pyridine	ND	0.167	"

Surrogate: 2-Fluorophenol	1.12	"	1.29	87.2	20-108
Surrogate: Phenol-d5	1.11	"	1.27	87.4	23-114
Surrogate: Nitrobenzene-d5	0.820	"	0.833	98.4	22-108
Surrogate: 2-Fluorobiphenyl	0.720	"	0.830	86.8	21-113
Surrogate: 2,4,6-Tribromophenol	1.05	"	1.31	80.7	19-110
Surrogate: Terphenyl-d14	0.531	"	0.837	63.5	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 BE80949 - EPA 3550C											
LCS (BE80949-BS1)						Prepared: 05/17/2018 Analyzed: 05/18/2018					
1,1-Biphenyl	0.749	0.0417	mg/kg wet	0.833		89.8	18-111				
1,2,4,5-Tetrachlorobenzene	0.714	0.0833	"	0.833		85.6	21-131				
1,2,4-Trichlorobenzene	0.795	0.0417	"	0.833		95.4	10-140				
1,2-Dichlorobenzene	0.689	0.0417	"	0.833		82.7	34-108				
1,2-Diphenylhydrazine (as Azobenzene)	0.688	0.0417	"	0.833		82.5	17-137				
1,3-Dichlorobenzene	0.666	0.0417	"	0.833		79.9	33-110				
1,4-Dichlorobenzene	0.618	0.0417	"	0.833		74.1	32-104				
2,3,4,6-Tetrachlorophenol	1.55	0.0833	"	0.833		186	30-130	High Bias			
2,4,5-Trichlorophenol	0.794	0.0417	"	0.833		95.3	27-118				
2,4,6-Trichlorophenol	0.702	0.0417	"	0.833		84.2	31-120				
2,4-Dichlorophenol	0.817	0.0417	"	0.833		98.0	20-127				
2,4-Dimethylphenol	0.855	0.0417	"	0.833		103	14-132				
2,4-Dinitrophenol	0.460	0.0833	"	0.833		55.2	10-171				
2,4-Dinitrotoluene	0.743	0.0417	"	0.833		89.2	34-131				
2,6-Dinitrotoluene	0.735	0.0417	"	0.833		88.2	31-128				
2-Chloronaphthalene	0.717	0.0417	"	0.833		86.1	31-117				
2-Chlorophenol	0.688	0.0417	"	0.833		82.6	33-113				
2-Methylnaphthalene	0.822	0.0417	"	0.833		98.6	12-138				
2-Methylphenol	0.673	0.0417	"	0.833		80.7	10-136				
2-Nitroaniline	0.790	0.0833	"	0.833		94.8	27-132				
2-Nitrophenol	0.744	0.0417	"	0.833		89.2	17-129				
3- & 4-Methylphenols	0.668	0.0417	"	0.833		80.1	29-103				
3,3-Dichlorobenzidine	1.24	0.0417	"	0.833		149	22-149				
3-Nitroaniline	1.16	0.0833	"	0.833		139	20-133	High Bias			
4,6-Dinitro-2-methylphenol	0.563	0.0833	"	0.833		67.6	10-143				
4-Bromophenyl phenyl ether	0.715	0.0417	"	0.833		85.8	29-120				
4-Chloro-3-methylphenol	0.767	0.0417	"	0.833		92.0	24-129				
4-Chloroaniline	0.499	0.0417	"	0.833		59.8	10-132				
4-Chlorophenyl phenyl ether	0.728	0.0417	"	0.833		87.4	27-124				
4-Nitroaniline	0.858	0.0833	"	0.833		103	16-128				
4-Nitrophenol	0.633	0.0833	"	0.833		76.0	10-141				
Acenaphthene	0.703	0.0417	"	0.833		84.4	30-121				
Acenaphthylene	0.698	0.0417	"	0.833		83.8	30-115				
Acetophenone	0.700	0.0417	"	0.833		84.0	20-112				
Aniline	0.518	0.167	"	0.833		62.2	10-119				
Anthracene	0.740	0.0417	"	0.833		88.8	34-118				
Atrazine	0.820	0.0417	"	0.833		98.4	26-112				
Benzaldehyde	0.754	0.0417	"	0.833		90.4	21-100				
Benzo(a)anthracene	0.747	0.0417	"	0.833		89.6	32-122				
Benzo(a)pyrene	0.798	0.0417	"	0.833		95.7	29-133				
Benzo(b)fluoranthene	0.759	0.0417	"	0.833		91.1	25-133				
Benzo(g,h,i)perylene	0.866	0.0417	"	0.833		104	10-143				
Benzo(k)fluoranthene	0.760	0.0417	"	0.833		91.2	25-128				
Benzoic acid	0.359	0.0417	"	0.847		42.4	10-140				
Benzyl alcohol	0.752	0.0417	"	0.833		90.2	30-115				
Benzyl butyl phthalate	0.733	0.0417	"	0.833		88.0	26-126				
Bis(2-chloroethoxy)methane	0.855	0.0417	"	0.833		103	19-132				
Bis(2-chloroethyl)ether	0.650	0.0417	"	0.833		78.0	19-125				
Bis(2-chloroisopropyl)ether	0.736	0.0417	"	0.833		88.4	20-135				
Bis(2-ethylhexyl)phthalate	0.759	0.0417	"	0.833		91.1	10-155				
Caprolactam	1.07	0.0833	"	0.833		128	10-127	High Bias			



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

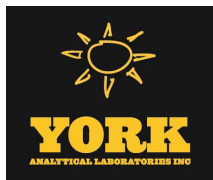
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE80949 - EPA 3550C

LCS (BE80949-BS1)

Prepared: 05/17/2018 Analyzed: 05/18/2018

Carbazole	2.10	0.0417	mg/kg wet	0.833		253	35-123	High Bias			
Chrysene	0.703	0.0417	"	0.833		84.3	32-123				
Dibenzo(a,h)anthracene	0.797	0.0417	"	0.833		95.6	10-136				
Dibenzofuran	0.732	0.0417	"	0.833		87.8	29-121				
Diethyl phthalate	0.728	0.0417	"	0.833		87.4	34-116				
Dimethyl phthalate	0.719	0.0417	"	0.833		86.3	35-124				
Di-n-butyl phthalate	0.729	0.0417	"	0.833		87.5	31-116				
Di-n-octyl phthalate	0.780	0.0417	"	0.833		93.6	26-136				
Fluoranthene	0.752	0.0417	"	0.833		90.2	33-122				
Fluorene	0.731	0.0417	"	0.833		87.8	29-123				
Hexachlorobenzene	0.639	0.0417	"	0.833		76.6	21-124				
Hexachlorobutadiene	0.740	0.0417	"	0.833		88.8	10-149				
Hexachlorocyclopentadiene	0.440	0.0417	"	0.833		52.8	10-129				
Hexachloroethane	0.642	0.0417	"	0.833		77.0	28-108				
Indeno(1,2,3-cd)pyrene	0.679	0.0417	"	0.833		81.4	10-135				
Isophorone	0.820	0.0417	"	0.833		98.4	20-132				
Naphthalene	0.669	0.0417	"	0.833		80.2	23-124				
Nitrobenzene	0.749	0.0417	"	0.833		89.9	13-132				
N-Nitrosodimethylamine	0.577	0.0417	"	0.833		69.2	11-129				
N-nitroso-di-n-propylamine	0.681	0.0417	"	0.833		81.8	24-119				
N-Nitrosodiphenylamine	0.946	0.0417	"	0.833		114	22-152				
Pentachlorophenol	0.569	0.0417	"	0.833		68.3	10-139				
Phenanthrene	0.739	0.0417	"	0.833		88.7	33-123				
Phenol	0.704	0.0417	"	0.833		84.5	23-115				
Pyrene	0.699	0.0417	"	0.833		83.8	32-130				
Pyridine	0.377	0.167	"	0.833		45.3	10-91				
Surrogate: 2-Fluorophenol	1.05		"	1.29		81.7	20-108				
Surrogate: Phenol-d5	1.05		"	1.27		82.8	23-114				
Surrogate: Nitrobenzene-d5	0.757		"	0.833		90.8	22-108				
Surrogate: 2-Fluorobiphenyl	0.705		"	0.830		85.0	21-113				
Surrogate: 2,4,6-Tribromophenol	1.20		"	1.31		91.9	19-110				
Surrogate: Terphenyl-d14	0.508		"	0.837		60.7	24-116				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE80799 - EPA 3550C

Blank (BE80799-BLK1)

Prepared: 05/15/2018 Analyzed: 05/16/2018

4,4'-DDD	ND	0.000330	mg/kg wet								
4,4'-DDE	ND	0.000330	"								
4,4'-DDT	ND	0.000330	"								
Aldrin	ND	0.000330	"								
alpha-BHC	ND	0.000330	"								
alpha-Chlordane	ND	0.000330	"								
beta-BHC	ND	0.000330	"								
Chlordane, total	ND	0.00660	"								
delta-BHC	ND	0.000330	"								
Dieldrin	ND	0.000330	"								
Endosulfan I	ND	0.000330	"								
Endosulfan II	ND	0.000330	"								
Endosulfan sulfate	ND	0.000330	"								
Endrin	ND	0.000330	"								
Endrin aldehyde	ND	0.000330	"								
Endrin ketone	ND	0.000330	"								
gamma-BHC (Lindane)	ND	0.000330	"								
gamma-Chlordane	ND	0.000330	"								
Heptachlor	ND	0.000330	"								
Heptachlor epoxide	ND	0.000330	"								
Methoxychlor	ND	0.00165	"								
Toxaphene	ND	0.0167	"								
Surrogate: Decachlorobiphenyl	0.0783		"	0.0697		112	30-150				
Surrogate: Tetrachloro-m-xylene	0.0627		"	0.0673		93.2	30-150				

LCS (BE80799-BS1)

Prepared: 05/15/2018 Analyzed: 05/16/2018

4,4'-DDD	0.0456	0.000330	mg/kg wet	0.0333		137	40-140				
4,4'-DDE	0.0412	0.000330	"	0.0333		124	40-140				
4,4'-DDT	0.0431	0.000330	"	0.0333		129	40-140				
Aldrin	0.0364	0.000330	"	0.0333		109	40-140				
alpha-BHC	0.0364	0.000330	"	0.0333		109	40-140				
alpha-Chlordane	0.0349	0.000330	"	0.0333		105	40-140				
beta-BHC	0.0415	0.000330	"	0.0333		124	40-140				
delta-BHC	0.0424	0.000330	"	0.0333		127	40-140				
Dieldrin	0.0382	0.000330	"	0.0333		115	40-140				
Endosulfan I	0.0371	0.000330	"	0.0333		111	40-140				
Endosulfan II	0.0388	0.000330	"	0.0333		116	40-140				
Endosulfan sulfate	0.0414	0.000330	"	0.0333		124	40-140				
Endrin	0.0375	0.000330	"	0.0333		113	40-140				
Endrin aldehyde	0.0401	0.000330	"	0.0333		120	40-140				
Endrin ketone	0.0404	0.000330	"	0.0333		121	40-140				
gamma-BHC (Lindane)	0.0361	0.000330	"	0.0333		108	40-140				
gamma-Chlordane	0.0341	0.000330	"	0.0333		102	40-140				
Heptachlor	0.0327	0.000330	"	0.0333		98.1	40-140				
Heptachlor epoxide	0.0338	0.000330	"	0.0333		101	40-140				
Methoxychlor	0.0393	0.00165	"	0.0333		118	40-140				
Surrogate: Decachlorobiphenyl	0.0756		"	0.0697		109	30-150				
Surrogate: Tetrachloro-m-xylene	0.0655		"	0.0673		97.2	30-150				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch Y8E0321 - BE80076

Performance Mix (Y8E0321-PEM1)

Prepared & Analyzed: 05/03/2018

4,4'-DDD	0.00		ng/mL	0.00			0-200			
4,4'-DDE	0.946		"	0.00			0-200			
4,4'-DDT	214		"	200		107	0-200			
Endrin	124		"	100		124	0-200			
Endrin aldehyde	1.48		"	0.00			0-200			
Endrin ketone	3.92		"	0.00			0-200			

Batch Y8E1701 - BE80295

Performance Mix (Y8E1701-PEM1)

Prepared & Analyzed: 05/16/2018

4,4'-DDD	0.00		ng/mL	0.00			0-200			
4,4'-DDE	1.01		"	0.00			0-200			
4,4'-DDT	189		"	200		94.6	0-200			
Endrin	115		"	100		115	0-200			
Endrin aldehyde	1.37		"	0.00			0-200			
Endrin ketone	5.73		"	0.00			0-200			

Performance Mix (Y8E1701-PEM2)

Prepared & Analyzed: 05/16/2018

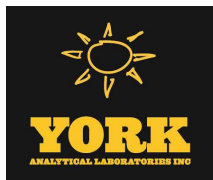
4,4'-DDD	0.00		ng/mL	0.00			0-200			
4,4'-DDE	1.08		"	0.00			0-200			
4,4'-DDT	215		"	200		108	0-200			
Endrin	124		"	100		124	0-200			
Endrin aldehyde	1.08		"	0.00			0-200			
Endrin ketone	6.17		"	0.00			0-200			

Batch Y8E1801 - BE80295

Performance Mix (Y8E1801-PEM1)

Prepared & Analyzed: 05/17/2018

4,4'-DDD	0.00		ng/mL	0.00			0-200			
4,4'-DDE	1.16		"	0.00			0-200			
4,4'-DDT	182		"	200		90.8	0-200			
Endrin	121		"	100		121	0-200			
Endrin aldehyde	1.81		"	0.00			0-200			
Endrin ketone	8.92		"	0.00			0-200			



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch Y8E1801 - BE80295

Performance Mix (Y8E1801-PEM2)

Prepared & Analyzed: 05/17/2018

4,4'-DDD	0.00		ng/mL	0.00			0-200			
4,4'-DDE	1.93		"	0.00			0-200			
4,4'-DDT	200		"	200		100	0-200			
Endrin	129		"	100		129	0-200			
Endrin aldehyde	2.09		"	0.00			0-200			
Endrin ketone	8.00		"	0.00			0-200			

Batch Y8E2104 - BE80295

Performance Mix (Y8E2104-PEM1)

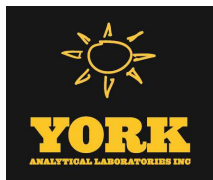
Prepared & Analyzed: 05/18/2018

4,4'-DDD	0.00		ng/mL	0.00			0-200			
4,4'-DDE	1.54		"	0.00			0-200			
4,4'-DDT	178		"	200		89.1	0-200			
Endrin	117		"	100		117	0-200			
Endrin aldehyde	3.56		"	0.00			0-200			
Endrin ketone	7.10		"	0.00			0-200			

Performance Mix (Y8E2104-PEM2)

Prepared & Analyzed: 05/18/2018

4,4'-DDD	0.00		ng/mL	0.00			0-200			
4,4'-DDE	0.952		"	0.00			0-200			
4,4'-DDT	158		"	200		78.8	0-200			
Endrin	114		"	100		114	0-200			
Endrin aldehyde	3.85		"	0.00			0-200			
Endrin ketone	7.41		"	0.00			0-200			



Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE80799 - EPA 3550C

Blank (BE80799-BLK2)

Prepared: 05/15/2018 Analyzed: 05/16/2018

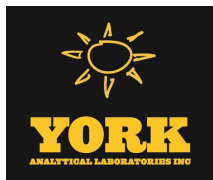
Aroclor 1016	ND	0.0167	mg/kg wet								
Aroclor 1221	ND	0.0167	"								
Aroclor 1232	ND	0.0167	"								
Aroclor 1242	ND	0.0167	"								
Aroclor 1248	ND	0.0167	"								
Aroclor 1254	ND	0.0167	"								
Aroclor 1260	ND	0.0167	"								
Total PCBs	ND	0.0167	"								

Surrogate: Tetrachloro-m-xylene	0.0690		"	0.0673		102	30-120				
Surrogate: Decachlorobiphenyl	0.0690		"	0.0697		99.0	30-120				

LCS (BE80799-BS2)

Prepared: 05/15/2018 Analyzed: 05/16/2018

Aroclor 1016	0.354	0.0167	mg/kg wet	0.333		106	40-130				
Aroclor 1260	0.353	0.0167	"	0.333		106	40-120				
Surrogate: Tetrachloro-m-xylene	0.0680		"	0.0673		101	30-120				
Surrogate: Decachlorobiphenyl	0.0630		"	0.0697		90.4	30-120				



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE80608 - EPA 3050B

Blank (BE80608-BLK1)

Prepared: 05/11/2018 Analyzed: 05/15/2018

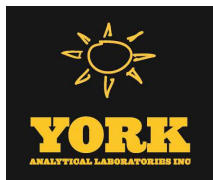
Aluminum	ND	5.00	mg/kg wet
Antimony	ND	0.500	"
Arsenic	ND	1.00	"
Barium	ND	1.00	"
Beryllium	ND	0.100	"
Cadmium	ND	0.300	"
Calcium	ND	5.00	"
Chromium	ND	0.500	"
Cobalt	ND	0.500	"
Copper	ND	0.500	"
Iron	ND	2.00	"
Lead	ND	0.500	"
Magnesium	ND	5.00	"
Manganese	ND	0.500	"
Nickel	ND	0.500	"
Potassium	ND	5.00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

Duplicate (BE80608-DUP1)

*Source sample: 18E0514-01 (030/LSB-11A)

Prepared: 05/11/2018 Analyzed: 05/15/2018

Aluminum	14800	5.34	mg/kg dry	5490	91.6	35	Non-dir.
Antimony	ND	0.534	"	ND		35	
Arsenic	2.19	1.07	"	3.17	36.7	35	Non-dir.
Barium	95.2	1.07	"	191	67.0	35	Non-dir.
Beryllium	0.500	0.107	"	0.267	60.9	35	Non-dir.
Cadmium	ND	0.321	"	1.14		35	
Calcium	1630	5.34	"	8670	137	35	Non-dir.
Chromium	25.3	0.534	"	14.4	54.9	35	Non-dir.
Cobalt	15.0	0.534	"	5.41	94.2	35	Non-dir.
Copper	22.9	0.534	"	80.0	111	35	Non-dir.
Iron	18300	2.14	"	12500	37.7	35	Non-dir.
Lead	26.5	0.534	"	241	160	35	Non-dir.
Magnesium	4260	5.34	"	3360	23.5	35	
Manganese	388	0.534	"	161	82.6	35	Non-dir.
Nickel	19.2	0.534	"	18.0	6.48	35	
Potassium	2530	5.34	"	669	116	35	Non-dir.
Selenium	ND	1.07	"	ND		35	
Silver	ND	0.534	"	ND		35	
Sodium	143	10.7	"	149	4.08	35	
Thallium	ND	1.07	"	ND		35	
Vanadium	33.9	1.07	"	17.6	63.6	35	Non-dir.
Zinc	58.3	1.60	"	257	126	35	Non-dir.



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE80608 - EPA 3050B

Matrix Spike (BE80608-MS1)		*Source sample: 18E0514-01 (030/LSB-11A)					Prepared: 05/11/2018 Analyzed: 05/15/2018				
Aluminum	15200	5.34	mg/kg dry	214	5490	NR	75-125	High Bias			
Antimony	7.48	0.534	"	26.7	ND	28.0	75-125	Low Bias			
Arsenic	233	1.07	"	214	3.17	107	75-125				
Barium	332	1.07	"	214	191	65.7	75-125	Low Bias			
Beryllium	6.01	0.107	"	5.34	0.267	107	75-125				
Cadmium	6.02	0.321	"	5.34	1.14	91.3	75-125				
Chromium	49.8	0.534	"	21.4	14.4	166	75-125	High Bias			
Cobalt	72.1	0.534	"	53.4	5.41	125	75-125				
Copper	55.3	0.534	"	26.7	80.0	NR	75-125	Low Bias			
Iron	19100	2.14	"	107	12500	NR	75-125	High Bias			
Lead	86.4	0.534	"	53.4	241	NR	75-125	Low Bias			
Magnesium	4640	5.34	"	107	3360	NR	75-125	High Bias			
Manganese	407	0.534	"	53.4	161	459	75-125	High Bias			
Nickel	78.3	0.534	"	53.4	18.0	113	75-125				
Potassium	3100	5.34	"	107	669	NR	75-125	High Bias			
Selenium	203	1.07	"	214	ND	94.8	75-125				
Silver	ND	0.534	"	5.34	ND		75-125	Low Bias			
Sodium	266	10.7	"	107	149	110	75-125				
Thallium	211	1.07	"	214	ND	98.6	75-125				
Vanadium	91.2	1.07	"	53.4	17.6	138	75-125	High Bias			
Zinc	120	1.60	"	53.4	257	NR	75-125	Low Bias			

Reference (BE80608-SRM1)		Prepared: 05/11/2018 Analyzed: 05/15/2018									
Aluminum	7880	5.00	mg/kg wet	8040		98.0	39.4-160.5				
Antimony	97.6	0.500	"	91.4		107	25.1-275.7				
Arsenic	156	1.00	"	146		107	69.9-132.9				
Barium	92.6	1.00	"	102		90.8	71.5-136.3				
Beryllium	141	0.100	"	134		105	75.4-138.1				
Cadmium	66.0	0.300	"	63.2		104	73.3-141.5				
Calcium	6140	5.00	"	5930		104	73.7-136.1				
Chromium	88.3	0.500	"	89.3		98.8	69.1-143.3				
Cobalt	128	0.500	"	119		108	74.6-142				
Copper	66.1	0.500	"	60.8		109	72.7-141.6				
Iron	12000	2.00	"	14400		83.1	35.6-163.9				
Lead	103	0.500	"	98.5		104	70.8-137.1				
Magnesium	2680	5.00	"	2580		104	63.6-136.1				
Manganese	370	0.500	"	370		100	75.7-134.3				
Nickel	77.1	0.500	"	66.6		116	70.7-146.3				
Potassium	2430	5.00	"	2340		104	59.8-140.2				
Selenium	127	1.00	"	136		93.1	67.1-136.8				
Silver	48.1	0.500	"	48.9		98.3	66.5-139.5				
Sodium	342	10.0	"	318		107	40.6-159.8				
Thallium	150	1.00	"	138		109	68-136.2				
Vanadium	64.1	1.00	"	69.7		92.0	58.9-141.8				
Zinc	190	1.50	"	177		107	69.5-131.1				



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
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Batch BE80677 - EPA 7473 soil

Blank (BE80677-BLK1)

Prepared & Analyzed: 05/14/2018

Mercury	ND	0.0300	mg/kg wet
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Reference (BE80677-SRM1)

Prepared & Analyzed: 05/14/2018

Mercury	13.347		mg/kg	13.8	96.7	57.1-143.5
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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
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Batch BE80692 - EPA SW846-3060

Blank (BE80692-BLK1)

Prepared & Analyzed: 05/14/2018

Chromium, Hexavalent ND 0.500 mg/kg wet

Reference (BE80692-SRM1)

Prepared & Analyzed: 05/14/2018

Chromium, Hexavalent 20.3 mg/L 76.9 26.4 20.3-212



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
18E0514-01	030/LSB-11A	40mL Vial with Stir Bar-Cool 4° C
18E0514-03	032/LSB-11C	40mL Vial with Stir Bar-Cool 4° C
18E0514-04	033/LSB-9A	40mL Vial with Stir Bar-Cool 4° C
18E0514-05	034/LSB-9B	40mL Vial with Stir Bar-Cool 4° C
18E0514-06	035/TB-3	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

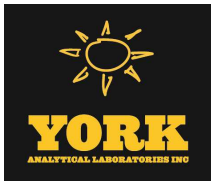


Sample and Data Qualifiers Relating to This Work Order

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.
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.
M-SRD1	The serial dilution for this element was outside control limits.
M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.
M-DUPS	The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity
M-CRL	The RL check for this element recovered outside of control limits.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
GC-SCu	This surrogate recovered below control limits due to extract clean-up required. The alternate surrogate, Decachlorobiphenyl is within control limits.
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).
A-01	Confirmation analysis

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

YORK
ANALYTICAL LABORATORIES INC.

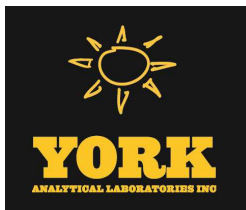
Field Chain-of-Custody Record

Page 1 of 1

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

York Project No. 18E0514

YOUR INFORMATION		Report To:		Invoice To:		YOUR Project ID		Turn-Around Time		Report Type	
Company: <u>LANGAN</u>	Company: _____	Company: _____	Company: _____	Company: _____	Company: _____	Company: _____	Company: _____	Company: _____	Company: _____	Company: _____	Company: _____
Address: <u>300 Kimball Dr.</u>	Address: _____	Address: _____	Address: _____	Address: _____	Address: _____	Address: _____	Address: _____	Address: _____	Address: _____	Address: _____	Address: _____
Phone No. <u>973 560 4900</u>	Phone No. _____	Phone No. _____	Phone No. _____	Phone No. _____	Phone No. _____	Phone No. _____	Phone No. _____	Phone No. _____	Phone No. _____	Phone No. _____	Phone No. _____
Contact Person: <u>A Forsburg</u>	Attention: _____	Attention: _____	Attention: _____	Attention: _____	Attention: _____	Attention: _____	Attention: _____	Attention: _____	Attention: _____	Attention: _____	Attention: _____
E-Mail Address: <u>aforsburg@hogan.com</u>	E-Mail Address: _____	E-Mail Address: _____	E-Mail Address: _____	E-Mail Address: _____	E-Mail Address: _____	E-Mail Address: _____	E-Mail Address: _____	E-Mail Address: _____	E-Mail Address: _____	E-Mail Address: _____	E-Mail Address: _____
Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.											
Samples Collected/Authorized By (Signature) <u>Alyson Klotzer</u>											
Name (printed) <u>Alyson Klotzer</u>											
Matrix Codes S - soil Other - specify (oil, etc.) WW - wastewater GW - groundwater DW - drinking water Air-A - ambient air Air-SV - soil vapor											
Choose Analyses Needed from the Menu Above and Enter Below											
Sample Identification	Date/Time Sampled	Sample Matrix	VOC, SVOC, PCB, PEST, TAL METALS, XCR (1) 802, 9) VOA								
030 LSB-11A	5/9/18 1455	S									
031 LSB-11B	5/9/18 1450	S									
032 LSB-11C	5/9/18 1500	S									
033 LSB-9A	5/9/18 1545	S									
034 LSB-9B	5/9/18 1550	S									
035 TB-3	5/9/18 —	AG									
Container Description(s) <u>(2) VOA</u>											
Preservation Check those Applicable Special Instructions Field Filtered ☐ Lab to Filter ☐											
4°C _____ Frozen _____ HCl _____ MeOH _____ HNO₃ _____ H₂SO₄ _____ NaOH _____ ZnAc _____ Other _____											
Temperature on Receipt <u>2.5 °C</u>											
Comments <u>031 LSB-11B on hold 5 day firm TAT</u>											
Samples Relinquished By <u>AK</u> Date/Time <u>5/10/18 0940</u> Samples Received By <u>AK</u> Date/Time <u>5/10/18 15:00</u> Samples Relinquished By <u>AK</u> Date/Time <u>5/10/18 12:30</u> Samples Received in LAB by <u>AK</u> Date/Time <u>5/10/18 15:00</u>											



Technical Report

prepared for:

Langan Engineering & Environmental Services (NJ)

300 Kimball Drive

Parsipanny NJ, 07054

Attention: Amanda Forsburg

Report Date: 05/21/2018

Client Project ID: 100688801

York Project (SDG) No.: 18E0702



CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037

New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

Report Date: 05/21/2018
Client Project ID: 100688801
York Project (SDG) No.: 18E0702

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 May 14, 2018 and listed below. The project was identified as your project: **100688801**.

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>
18E0702-01	053/LMW-5	Water	05/14/2018	05/14/2018
18E0702-02	054/DUP-3	Water	05/14/2018	05/14/2018
18E0702-03	055/LMW-6	Water	05/14/2018	05/14/2018
18E0702-04	056/TB-5	Water	05/14/2018	05/14/2018
18E0702-05	057/FB-2	Water	05/14/2018	05/14/2018
18E0702-06	058/LMW-3	Water	05/14/2018	05/14/2018
18E0702-07	059/LMW-4	Water	05/14/2018	05/14/2018
18E0702-08	060/LMW-2	Water	05/14/2018	05/14/2018

General Notes for York Project (SDG) No.: 18E0702

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: 05/21/2018





Sample Information

Client Sample ID: 053/LMW-5

York Sample ID: 18E0702-01

York Project (SDG) No.

18E0702

Client Project ID

100688801

Matrix

Water

Collection Date/Time

May 14, 2018 9:45 am

Date Received

05/14/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
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,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/18/2018 07:30	05/18/2018 15:40	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS



Sample Information

Client Sample ID: 053/LMW-5

York Sample ID: 18E0702-01

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 9:45 am

Date Received
05/14/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
67-64-1	Acetone	1.41	SCAL-E	ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS



Sample Information

Client Sample ID: 053/LMW-5

York Sample ID: 18E0702-01

York Project (SDG) No.

18E0702

Client Project ID

100688801

Matrix

Water

Collection Date/Time

May 14, 2018 9:45 am

Date Received

05/14/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS



Sample Information

Client Sample ID: 053/LMW-5

York Sample ID: 18E0702-01

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 9:45 am

Date Received
05/14/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:40	RDS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/18/2018 07:30	05/18/2018 15:40	RDS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	106 %	70-130								
2037-26-5	Surrogate: Toluene-d8	97.5 %	70-130								
460-00-4	Surrogate: p-Bromofluorobenzene	98.0 %	70-130								

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR



Sample Information

Client Sample ID: 053/LMW-5

York Sample ID: 18E0702-01

York Project (SDG) No.

18E0702

Client Project ID

100688801

Matrix

Water

Collection Date/Time

May 14, 2018 9:45 am

Date Received

05/14/2018

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
91-58-7	2-Chloronaphthalene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
95-57-8	2-Chlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
91-57-6	2-Methylnaphthalene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
95-48-7	2-Methylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
88-74-4	2-Nitroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
88-75-5	2-Nitrophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
99-09-2	3-Nitroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
106-47-8	4-Chloroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
100-01-6	4-Nitroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR



Sample Information

Client Sample ID: 053/LMW-5

York Sample ID: 18E0702-01

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 9:45 am

Date Received
05/14/2018

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-02-7	4-Nitrophenol	ND		ug/L	5.26	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
98-86-2	Acetophenone	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
62-53-3	Aniline	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
100-52-7	Benzaldehyde	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
92-87-5	Benzidine	ND		ug/L	5.26	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
65-85-0	Benzoic acid	ND		ug/L	26.3	52.6	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
100-51-6	Benzyl alcohol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.05	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
105-60-2	Caprolactam	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
86-74-8	Carbazole	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
132-64-9	Dibenzofuran	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
84-66-2	Diethyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
131-11-3	Dimethyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.26	10.5	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
78-59-1	Isophorone	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR



Sample Information

Client Sample ID: 053/LMW-5

York Sample ID: 18E0702-01

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 9:45 am

Date Received
05/14/2018

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-95-2	Phenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
110-86-1	Pyridine	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 15:32	SR
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: 2-Fluorophenol	37.8 %			19.7-63.1						
4165-62-2	Surrogate: Phenol-d5	24.1 %			10.1-41.7						
4165-60-0	Surrogate: Nitrobenzene-d5	83.7 %			50.2-113						
321-60-8	Surrogate: 2-Fluorobiphenyl	76.2 %			39.9-105						
118-79-6	Surrogate: 2,4,6-Tribromophenol	113 %			39.3-151						
1718-51-0	Surrogate: Terphenyl-d14	67.6 %			30.7-106						

Semivolatiles, 8270 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	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 10:36	SR
208-96-8	Acenaphthylene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 10:36	SR
120-12-7	Anthracene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 10:36	SR
1912-24-9	Atrazine	ND		ug/L	0.526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 10:36	SR
56-55-3	Benzo(a)anthracene	0.0632		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 10:36	SR
50-32-8	Benzo(a)pyrene	0.0526		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 10:36	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 10:36	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 10:36	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 10:36	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 10:36	SR
218-01-9	Chrysene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 10:36	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 10:36	SR
206-44-0	Fluoranthene	0.105		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 10:36	SR



Sample Information

Client Sample ID: 053/LMW-5

York Sample ID: 18E0702-01

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 9:45 am

Date Received
05/14/2018

Semivolatiles, 8270 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
86-73-7	Fluorene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 10:36	SR
118-74-1	Hexachlorobenzene	ND		ug/L	0.0211	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 10:36	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 10:36	SR
67-72-1	Hexachloroethane	ND		ug/L	0.526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 10:36	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 10:36	SR
91-20-3	Naphthalene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 10:36	SR
98-95-3	Nitrobenzene	ND		ug/L	0.263	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 10:36	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 10:36	SR
87-86-5	Pentachlorophenol	ND		ug/L	0.263	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 10:36	SR
85-01-8	Phenanthrene	0.0526		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 10:36	SR
129-00-0	Pyrene	0.0737		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 10:36	SR

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:40	SA
72-55-9	4,4'-DDE	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:40	SA
50-29-3	4,4'-DDT	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:40	SA
309-00-2	Aldrin	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:40	SA
319-84-6	alpha-BHC	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:40	SA
5103-71-9	alpha-Chlordane	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:40	SA
319-85-7	beta-BHC	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:40	SA
57-74-9	Chlordane, total	ND		ug/L	0.0229	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:40	SA



Sample Information

Client Sample ID: 053/LMW-5

York Sample ID: 18E0702-01

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 9:45 am

Date Received
05/14/2018

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
319-86-8	delta-BHC	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:40	SA
60-57-1	Dieldrin	ND		ug/L	0.00229	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:40	SA
959-98-8	Endosulfan I	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:40	SA
33213-65-9	Endosulfan II	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:40	SA
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:40	SA
72-20-8	Endrin	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:40	SA
7421-93-4	Endrin aldehyde	ND		ug/L	0.0114	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:40	SA
53494-70-5	Endrin ketone	ND		ug/L	0.0114	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:40	SA
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:40	SA
5566-34-7	gamma-Chlordane	ND		ug/L	0.0114	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:40	SA
76-44-8	Heptachlor	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:40	SA
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:40	SA
72-43-5	Methoxychlor	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:40	SA
8001-35-2	Toxaphene	ND		ug/L	0.114	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:40	SA
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	45.9 %			30-150					
877-09-8	Surrogate: Tetrachloro-m-xylene	24.0 %	GC-SC		30-150					
				u						

Polychlorinated Biphenyls (PCB), 8082 Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0571	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 04:56	LAB
11104-28-2	Aroclor 1221	ND		ug/L	0.0571	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 04:56	LAB
11141-16-5	Aroclor 1232	ND		ug/L	0.0571	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 04:56	LAB



Sample Information

Client Sample ID: 053/LMW-5

York Sample ID: 18E0702-01

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 9:45 am

Date Received
05/14/2018

Polychlorinated Biphenyls (PCB), 8082 Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
53469-21-9	Aroclor 1242	ND		ug/L	0.0571	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 04:56	LAB
12672-29-6	Aroclor 1248	ND		ug/L	0.0571	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 04:56	LAB
11097-69-1	Aroclor 1254	ND		ug/L	0.0571	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 04:56	LAB
11096-82-5	Aroclor 1260	ND		ug/L	0.0571	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 04:56	LAB
1336-36-3	* Total PCBs	ND		ug/L	0.0571	1	EPA 8082A Certifications:	05/15/2018 07:26	05/18/2018 04:56	LAB
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	24.8 %	S-GC				30-150			
2051-24-3	Surrogate: Decachlorobiphenyl	40.7 %					30-150			

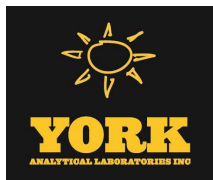
Metals, Target Analyte, ICP

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	0.480		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:23	KML
7440-39-3	Barium	0.506		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:23	KML
7440-70-2	Calcium	225		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:23	KML
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:23	KML
7440-48-4	Cobalt	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:23	KML
7440-50-8	Copper	0.00956		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:23	KML
7439-89-6	Iron	32.8		mg/L	0.0222	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:23	KML
7439-92-1	Lead	0.0533		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:23	KML
7439-95-4	Magnesium	23.5		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:23	KML
7439-96-5	Manganese	1.03		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:23	KML
7440-02-0	Nickel	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:23	KML
7440-09-7	Potassium	13.8	B	mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:23	KML



Sample Information

Client Sample ID: 053/LMW-5

York Sample ID: 18E0702-01

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 9:45 am

Date Received
05/14/2018

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
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:23	KML
7440-23-5	Sodium	25.9	B	mg/L	0.111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:23	KML
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:23	KML
7440-66-6	Zinc	0.0764		mg/L	0.0167	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:23	KML

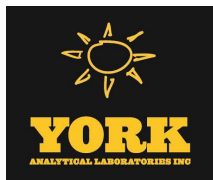
Metals, Target Analyte, ICP Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:29	BML
7440-39-3	Barium	0.378		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:29	BML
7440-70-2	Calcium	224		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:29	BML
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:29	BML
7440-48-4	Cobalt	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:29	BML
7440-50-8	Copper	0.00556		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:29	BML
7439-89-6	Iron	7.00		mg/L	0.0222	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:29	BML
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:29	BML
7439-95-4	Magnesium	23.9		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:29	BML
7439-96-5	Manganese	1.03		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:29	BML
7440-02-0	Nickel	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:29	BML
7440-09-7	Potassium	13.0		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:29	BML
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:29	BML
7440-23-5	Sodium	25.9		mg/L	0.111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:29	BML
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:29	BML



Sample Information

Client Sample ID: 053/LMW-5

York Sample ID: 18E0702-01

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 9:45 am

Date Received
05/14/2018

Metals, Target Analyte, ICP Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	Zinc	0.0225		mg/L	0.0167	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:29	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		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:16	BML
7440-38-2	Arsenic	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:16	BML
7440-41-7	Beryllium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:16	BML
7440-43-9	Cadmium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:16	BML
7782-49-2	Selenium	0.00198		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:16	BML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:16	BML

Metals, Target Analyte, ICPMS Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 13:31	BML
7440-38-2	Arsenic	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 13:31	BML
7440-41-7	Beryllium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 13:31	BML
7440-43-9	Cadmium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 13:31	BML
7782-49-2	Selenium	0.00184		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 13:31	BML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 13:31	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
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Sample Information

Client Sample ID: 053/LMW-5

York Sample ID: 18E0702-01

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 9:45 am

Date Received
05/14/2018

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00020	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 09:54	05/15/2018 14:58	SY

Mercury by 7473, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002000	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 09:29	05/17/2018 10:37	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	05/15/2018 09:29	05/15/2018 09:29	TJD

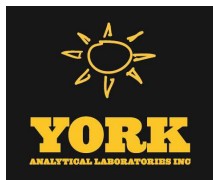
Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	ND		mg/L	0.0100	1	Calculation Certifications:	05/21/2018 12:51	05/21/2018 12:55	PAM



Sample Information

Client Sample ID: 054/DUP-3

York Sample ID: 18E0702-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0702

100688801

Water

May 14, 2018 9:50 am

05/14/2018

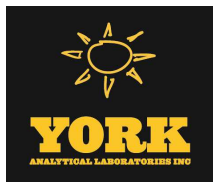
Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
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,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/18/2018 07:30	05/18/2018 16:09	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS



Sample Information

Client Sample ID: 054/DUP-3

York Sample ID: 18E0702-02

York Project (SDG) No.

18E0702

Client Project ID

100688801

Matrix

Water

Collection Date/Time

May 14, 2018 9:50 am

Date Received

05/14/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
67-64-1	Acetone	1.12	SCAL- E	ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS



Sample Information

Client Sample ID: 054/DUP-3

York Sample ID: 18E0702-02

York Project (SDG) No.

18E0702

Client Project ID

100688801

Matrix

Water

Collection Date/Time

May 14, 2018 9:50 am

Date Received

05/14/2018

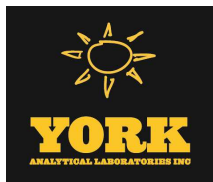
Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS



Sample Information

Client Sample ID: 054/DUP-3

York Sample ID: 18E0702-02

York Project (SDG) No.

18E0702

Client Project ID

100688801

Matrix

Water

Collection Date/Time

May 14, 2018 9:50 am

Date Received

05/14/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 16:09	RDS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/18/2018 07:30	05/18/2018 16:09	RDS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	109 %	70-130								
2037-26-5	Surrogate: Toluene-d8	96.6 %	70-130								
460-00-4	Surrogate: p-Bromofluorobenzene	97.1 %	70-130								

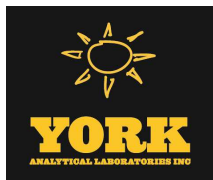
Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR



Sample Information

Client Sample ID: 054/DUP-3

York Sample ID: 18E0702-02

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 9:50 am

Date Received
05/14/2018

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
120-83-2	2,4-Dichlorophenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
105-67-9	2,4-Dimethylphenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
51-28-5	2,4-Dinitrophenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
91-58-7	2-Chloronaphthalene	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
95-57-8	2-Chlorophenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
91-57-6	2-Methylnaphthalene	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
95-48-7	2-Methylphenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
88-74-4	2-Nitroaniline	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
88-75-5	2-Nitrophenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
99-09-2	3-Nitroaniline	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
106-47-8	4-Chloroaniline	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
100-01-6	4-Nitroaniline	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR



Sample Information

Client Sample ID: 054/DUP-3

York Sample ID: 18E0702-02

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 9:50 am

Date Received
05/14/2018

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-02-7	4-Nitrophenol	ND		ug/L	6.06	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
98-86-2	Acetophenone	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
62-53-3	Aniline	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
100-52-7	Benzaldehyde	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
92-87-5	Benzidine	ND		ug/L	6.06	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
65-85-0	Benzoic acid	ND		ug/L	30.3	60.6	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
100-51-6	Benzyl alcohol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
85-68-7	Benzyl butyl phthalate	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.21	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
105-60-2	Caprolactam	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
86-74-8	Carbazole	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
132-64-9	Dibenzofuran	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
84-66-2	Diethyl phthalate	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
131-11-3	Dimethyl phthalate	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
84-74-2	Di-n-butyl phthalate	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
117-84-0	Di-n-octyl phthalate	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	6.06	12.1	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
78-59-1	Isophorone	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR



Sample Information

Client Sample ID: 054/DUP-3

York Sample ID: 18E0702-02

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 9:50 am

Date Received
05/14/2018

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-95-2	Phenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
110-86-1	Pyridine	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:04	SR
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: 2-Fluorophenol	39.4 %			19.7-63.1						
4165-62-2	Surrogate: Phenol-d5	25.2 %			10.1-41.7						
4165-60-0	Surrogate: Nitrobenzene-d5	78.7 %			50.2-113						
321-60-8	Surrogate: 2-Fluorobiphenyl	72.1 %			39.9-105						
118-79-6	Surrogate: 2,4,6-Tribromophenol	109 %			39.3-151						
1718-51-0	Surrogate: Terphenyl-d14	65.6 %			30.7-106						

Semivolatiles, 8270 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	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 11:08	SR
208-96-8	Acenaphthylene	ND		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 11:08	SR
120-12-7	Anthracene	ND		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 11:08	SR
1912-24-9	Atrazine	ND		ug/L	0.606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 11:08	SR
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 11:08	SR
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 11:08	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 11:08	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 11:08	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 11:08	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 11:08	SR
218-01-9	Chrysene	ND		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 11:08	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 11:08	SR
206-44-0	Fluoranthene	0.0727		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 11:08	SR



Sample Information

Client Sample ID: 054/DUP-3

York Sample ID: 18E0702-02

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 9:50 am

Date Received
05/14/2018

Semivolatiles, 8270 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
86-73-7	Fluorene	ND		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 11:08	SR
118-74-1	Hexachlorobenzene	ND		ug/L	0.0242	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 11:08	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 11:08	SR
67-72-1	Hexachloroethane	ND		ug/L	0.606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 11:08	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 11:08	SR
91-20-3	Naphthalene	ND		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 11:08	SR
98-95-3	Nitrobenzene	ND		ug/L	0.303	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 11:08	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 11:08	SR
87-86-5	Pentachlorophenol	ND		ug/L	0.303	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 11:08	SR
85-01-8	Phenanthrene	ND		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 11:08	SR
129-00-0	Pyrene	ND		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 11:08	SR

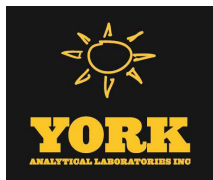
Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:55	SA
72-55-9	4,4'-DDE	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:55	SA
50-29-3	4,4'-DDT	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:55	SA
309-00-2	Aldrin	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:55	SA
319-84-6	alpha-BHC	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:55	SA
5103-71-9	alpha-Chlordane	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:55	SA
319-85-7	beta-BHC	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:55	SA
57-74-9	Chlordane, total	ND		ug/L	0.0216	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:55	SA



Sample Information

Client Sample ID: 054/DUP-3

York Sample ID: 18E0702-02

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 9:50 am

Date Received
05/14/2018

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
319-86-8	delta-BHC	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:55	SA
60-57-1	Dieldrin	ND		ug/L	0.00216	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:55	SA
959-98-8	Endosulfan I	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:55	SA
33213-65-9	Endosulfan II	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:55	SA
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:55	SA
72-20-8	Endrin	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:55	SA
7421-93-4	Endrin aldehyde	ND		ug/L	0.0108	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:55	SA
53494-70-5	Endrin ketone	ND		ug/L	0.0108	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:55	SA
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:55	SA
5566-34-7	gamma-Chlordane	ND		ug/L	0.0108	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:55	SA
76-44-8	Heptachlor	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:55	SA
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:55	SA
72-43-5	Methoxychlor	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:55	SA
8001-35-2	Toxaphene	ND		ug/L	0.108	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:55	SA
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	52.0 %			30-150					
877-09-8	Surrogate: Tetrachloro-m-xylene	23.8 %	GC-SC		30-150					
				u						

Polychlorinated Biphenyls (PCB), 8082 Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 05:20	LAB
11104-28-2	Aroclor 1221	ND		ug/L	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 05:20	LAB
11141-16-5	Aroclor 1232	ND		ug/L	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 05:20	LAB



Sample Information

Client Sample ID: 054/DUP-3

York Sample ID: 18E0702-02

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

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May 14, 2018 9:50 am

Date Received
05/14/2018

Polychlorinated Biphenyls (PCB), 8082 Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
53469-21-9	Aroclor 1242	ND		ug/L	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 05:20	LAB
12672-29-6	Aroclor 1248	ND		ug/L	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 05:20	LAB
11097-69-1	Aroclor 1254	ND		ug/L	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 05:20	LAB
11096-82-5	Aroclor 1260	ND		ug/L	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 05:20	LAB
1336-36-3	* Total PCBs	ND		ug/L	0.0541	1	EPA 8082A Certifications:	05/15/2018 07:26	05/18/2018 05:20	LAB
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	24.3 %	S-GC				30-150			
2051-24-3	Surrogate: Decachlorobiphenyl	51.2 %					30-150			

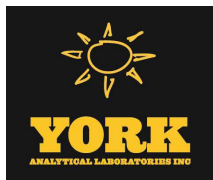
Metals, Target Analyte, ICP

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	05/17/2018 10:17	05/18/2018 13:33	KML
7440-39-3	Barium	ND		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:33	KML
7440-70-2	Calcium	ND		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:33	KML
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:33	KML
7440-48-4	Cobalt	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:33	KML
7440-50-8	Copper	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:33	KML
7439-89-6	Iron	ND		mg/L	0.0222	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:33	KML
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:33	KML
7439-95-4	Magnesium	ND		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:33	KML
7439-96-5	Manganese	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:33	KML
7440-02-0	Nickel	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:33	KML
7440-09-7	Potassium	ND		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:33	KML



Sample Information

Client Sample ID: 054/DUP-3

York Sample ID: 18E0702-02

York Project (SDG) No.
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100688801

Matrix
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May 14, 2018 9:50 am

Date Received
05/14/2018

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
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:33	KML
7440-23-5	Sodium	ND		mg/L	0.111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:33	KML
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:33	KML
7440-66-6	Zinc	ND		mg/L	0.0167	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:33	KML

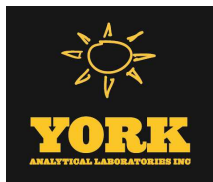
Metals, Target Analyte, ICP Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:36	BML
7440-39-3	Barium	0.371		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:36	BML
7440-70-2	Calcium	220		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:36	BML
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:36	BML
7440-48-4	Cobalt	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:36	BML
7440-50-8	Copper	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:36	BML
7439-89-6	Iron	6.98		mg/L	0.0222	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:36	BML
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:36	BML
7439-95-4	Magnesium	23.0		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:36	BML
7439-96-5	Manganese	0.999		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:36	BML
7440-02-0	Nickel	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:36	BML
7440-09-7	Potassium	12.8		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:36	BML
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:36	BML
7440-23-5	Sodium	25.8		mg/L	0.111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:36	BML
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:36	BML



Sample Information

Client Sample ID: 054/DUP-3

York Sample ID: 18E0702-02

York Project (SDG) No.

18E0702

Client Project ID

100688801

Matrix

Water

Collection Date/Time

May 14, 2018 9:50 am

Date Received

05/14/2018

Metals, Target Analyte, ICP Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	Zinc	0.0181		mg/L	0.0167	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:36	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		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:23	BML
7440-38-2	Arsenic	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:23	BML
7440-41-7	Beryllium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:23	BML
7440-43-9	Cadmium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:23	BML
7782-49-2	Selenium	0.00194		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:23	BML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:23	BML

Metals, Target Analyte, ICPMS Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 13:38	BML
7440-38-2	Arsenic	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 13:38	BML
7440-41-7	Beryllium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 13:38	BML
7440-43-9	Cadmium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 13:38	BML
7782-49-2	Selenium	0.00227		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 13:38	BML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 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
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Sample Information

Client Sample ID: 054/DUP-3

York Sample ID: 18E0702-02

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 9:50 am

Date Received
05/14/2018

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00020	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 09:54	05/15/2018 15:06	SY

Mercury by 7473, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002000	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 09:29	05/17/2018 10:23	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	05/15/2018 09:29	05/15/2018 09:29	TJD

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	ND		mg/L	0.0100	1	Calculation Certifications:	05/21/2018 12:51	05/21/2018 12:55	PAM



Sample Information

Client Sample ID: 055/LMW-6

York Sample ID: 18E0702-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0702

100688801

Water

May 14, 2018 12:05 pm

05/14/2018

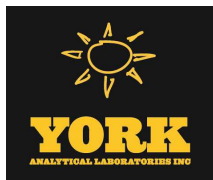
Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
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,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/21/2018 07:30	05/21/2018 14:00	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
106-46-7	1,4-Dichlorobenzene	0.750		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS



Sample Information

Client Sample ID: 055/LMW-6

York Sample ID: 18E0702-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0702

100688801

Water

May 14, 2018 12:05 pm

05/14/2018

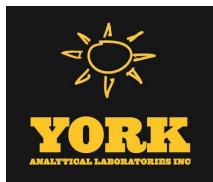
Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
95-49-8	2-Chlorotoluene	0.450		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
67-64-1	Acetone	1.44		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
108-90-7	Chlorobenzene	0.240		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS



Sample Information

Client Sample ID: 055/LMW-6

York Sample ID: 18E0702-03

York Project (SDG) No.

18E0702

Client Project ID

100688801

Matrix

Water

Collection Date/Time

May 14, 2018 12:05 pm

Date Received

05/14/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
110-82-7	Cyclohexane	0.840		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
98-82-8	Isopropylbenzene	0.240		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	2.50		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
108-87-2	Methylcyclohexane	1.20		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
104-51-8	n-Butylbenzene	0.310		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
95-47-6	o-Xylene	0.390		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
135-98-8	sec-Butylbenzene	0.320		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS



Sample Information

Client Sample ID: 055/LMW-6

York Sample ID: 18E0702-03

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 12:05 pm

Date Received
05/14/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/21/2018 07:30	05/21/2018 14:00	RDS
1330-20-7	Xylenes, Total	0.620		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/21/2018 07:30	05/21/2018 14:00	RDS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	110 %	70-130								
2037-26-5	Surrogate: Toluene-d8	94.8 %	70-130								
460-00-4	Surrogate: p-Bromofluorobenzene	96.3 %	70-130								

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR



Sample Information

Client Sample ID: 055/LMW-6

York Sample ID: 18E0702-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0702

100688801

Water

May 14, 2018 12:05 pm

05/14/2018

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
91-58-7	2-Chloronaphthalene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
95-57-8	2-Chlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
91-57-6	2-Methylnaphthalene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
95-48-7	2-Methylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
88-74-4	2-Nitroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
88-75-5	2-Nitrophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
99-09-2	3-Nitroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
106-47-8	4-Chloroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
100-01-6	4-Nitroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR



Sample Information

Client Sample ID: 055/LMW-6

York Sample ID: 18E0702-03

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 12:05 pm

Date Received
05/14/2018

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-02-7	4-Nitrophenol	ND		ug/L	5.26	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
98-86-2	Acetophenone	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
62-53-3	Aniline	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
100-52-7	Benzaldehyde	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
92-87-5	Benzidine	ND		ug/L	5.26	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
65-85-0	Benzoic acid	ND		ug/L	26.3	52.6	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
100-51-6	Benzyl alcohol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.05	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
105-60-2	Caprolactam	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
86-74-8	Carbazole	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
132-64-9	Dibenzofuran	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
84-66-2	Diethyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
131-11-3	Dimethyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.26	10.5	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
78-59-1	Isophorone	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR



Sample Information

Client Sample ID: 055/LMW-6

York Sample ID: 18E0702-03

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 12:05 pm

Date Received
05/14/2018

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-95-2	Phenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
110-86-1	Pyridine	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 16:35	SR
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: 2-Fluorophenol	36.3 %			19.7-63.1						
4165-62-2	Surrogate: Phenol-d5	22.6 %			10.1-41.7						
4165-60-0	Surrogate: Nitrobenzene-d5	80.9 %			50.2-113						
321-60-8	Surrogate: 2-Fluorobiphenyl	72.2 %			39.9-105						
118-79-6	Surrogate: 2,4,6-Tribromophenol	108 %			39.3-151						
1718-51-0	Surrogate: Terphenyl-d14	58.7 %			30.7-106						

Semivolatiles, 8270 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	0.158		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 11:39	SR
208-96-8	Acenaphthylene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 11:39	SR
120-12-7	Anthracene	0.0632		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 11:39	SR
1912-24-9	Atrazine	ND		ug/L	0.526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 11:39	SR
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 11:39	SR
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 11:39	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 11:39	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 11:39	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 11:39	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 11:39	SR
218-01-9	Chrysene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 11:39	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 11:39	SR
206-44-0	Fluoranthene	0.0632		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 11:39	SR



Sample Information

Client Sample ID: 055/LMW-6

York Sample ID: 18E0702-03

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 12:05 pm

Date Received
05/14/2018

Semivolatiles, 8270 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
86-73-7	Fluorene	0.284		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 11:39	SR
118-74-1	Hexachlorobenzene	ND		ug/L	0.0211	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 11:39	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 11:39	SR
67-72-1	Hexachloroethane	ND		ug/L	0.526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 11:39	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 11:39	SR
91-20-3	Naphthalene	0.305		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 11:39	SR
98-95-3	Nitrobenzene	ND		ug/L	0.263	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 11:39	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 11:39	SR
87-86-5	Pentachlorophenol	ND		ug/L	0.263	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 11:39	SR
85-01-8	Phenanthrene	0.358		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 11:39	SR
129-00-0	Pyrene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 11:39	SR

Pesticides, 8081 target list

Log-in Notes:

Sample Notes: EXT-EM

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:10	SA
72-55-9	4,4'-DDE	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:10	SA
50-29-3	4,4'-DDT	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:10	SA
309-00-2	Aldrin	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:10	SA
319-84-6	alpha-BHC	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:10	SA
5103-71-9	alpha-Chlordane	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:10	SA
319-85-7	beta-BHC	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:10	SA
57-74-9	Chlordane, total	ND		ug/L	0.0222	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:10	SA



Sample Information

Client Sample ID: 055/LMW-6

York Sample ID: 18E0702-03

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 12:05 pm

Date Received
05/14/2018

Pesticides, 8081 target list

Log-in Notes:

Sample Notes: EXT-EM

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
319-86-8	delta-BHC	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:10	SA
60-57-1	Dieldrin	ND		ug/L	0.00222	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:10	SA
959-98-8	Endosulfan I	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:10	SA
33213-65-9	Endosulfan II	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:10	SA
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:10	SA
72-20-8	Endrin	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:10	SA
7421-93-4	Endrin aldehyde	ND		ug/L	0.0111	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:10	SA
53494-70-5	Endrin ketone	ND		ug/L	0.0111	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:10	SA
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:10	SA
5566-34-7	gamma-Chlordane	ND		ug/L	0.0111	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:10	SA
76-44-8	Heptachlor	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:10	SA
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:10	SA
72-43-5	Methoxychlor	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:10	SA
8001-35-2	Toxaphene	ND		ug/L	0.111	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:10	SA
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	42.2 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	34.6 %	30-150							

Polychlorinated Biphenyls (PCB), 8082 Target List

Log-in Notes:

Sample Notes: EXT-EM

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 05:44	LAB
11104-28-2	Aroclor 1221	ND		ug/L	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 05:44	LAB
11141-16-5	Aroclor 1232	ND		ug/L	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 05:44	LAB



Sample Information

Client Sample ID: 055/LMW-6

York Sample ID: 18E0702-03

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 12:05 pm

Date Received
05/14/2018

Polychlorinated Biphenyls (PCB), 8082 Target List

Log-in Notes:

Sample Notes: EXT-EM

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
53469-21-9	Aroclor 1242	ND		ug/L	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 05:44	LAB
12672-29-6	Aroclor 1248	ND		ug/L	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 05:44	LAB
11097-69-1	Aroclor 1254	0.341		ug/L	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 05:44	LAB
11096-82-5	Aroclor 1260	ND		ug/L	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 05:44	LAB
1336-36-3	* Total PCBs	0.341		ug/L	0.0556	1	EPA 8082A Certifications:	05/15/2018 07:26	05/18/2018 05:44	LAB
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	23.3 %	S-GC		30-150					
2051-24-3	Surrogate: Decachlorobiphenyl	49.3 %			30-150					

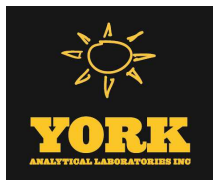
Metals, Target Analyte, ICP

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	0.600		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:35	KML
7440-39-3	Barium	0.388		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:35	KML
7440-70-2	Calcium	102		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:35	KML
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:35	KML
7440-48-4	Cobalt	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:35	KML
7440-50-8	Copper	0.0125		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:35	KML
7439-89-6	Iron	34.4		mg/L	0.0222	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:35	KML
7439-92-1	Lead	0.117		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:35	KML
7439-95-4	Magnesium	10.0		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:35	KML
7439-96-5	Manganese	0.877		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:35	KML
7440-02-0	Nickel	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:35	KML
7440-09-7	Potassium	18.1	B	mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:35	KML



Sample Information

Client Sample ID: 055/LMW-6

York Sample ID: 18E0702-03

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 12:05 pm

Date Received
05/14/2018

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
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:35	KML
7440-23-5	Sodium	181	B	mg/L	0.111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:35	KML
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:35	KML
7440-66-6	Zinc	0.230		mg/L	0.0167	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:35	KML

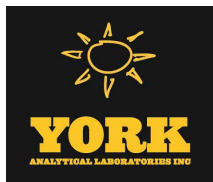
Metals, Target Analyte, ICP Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:38	BML
7440-39-3	Barium	0.299		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:38	BML
7440-70-2	Calcium	135		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:38	BML
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:38	BML
7440-48-4	Cobalt	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:38	BML
7440-50-8	Copper	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:38	BML
7439-89-6	Iron	9.80		mg/L	0.0222	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:38	BML
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:38	BML
7439-95-4	Magnesium	13.8		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:38	BML
7439-96-5	Manganese	0.513		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:38	BML
7440-02-0	Nickel	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:38	BML
7440-09-7	Potassium	13.3		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:38	BML
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:38	BML
7440-23-5	Sodium	87.8		mg/L	0.111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:38	BML
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:38	BML



Sample Information

Client Sample ID: 055/LMW-6

York Sample ID: 18E0702-03

York Project (SDG) No.

18E0702

Client Project ID

100688801

Matrix

Water

Collection Date/Time

May 14, 2018 12:05 pm

Date Received

05/14/2018

Metals, Target Analyte, ICP Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	Zinc	ND		mg/L	0.0167	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:38	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		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:30	BML
7440-38-2	Arsenic	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:30	BML
7440-41-7	Beryllium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:30	BML
7440-43-9	Cadmium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:30	BML
7782-49-2	Selenium	0.00372		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:30	BML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:30	BML

Metals, Target Analyte, ICPMS Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 13:45	BML
7440-38-2	Arsenic	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 13:45	BML
7440-41-7	Beryllium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 13:45	BML
7440-43-9	Cadmium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 13:45	BML
7782-49-2	Selenium	0.00186		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 13:45	BML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 13:45	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
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Sample Information

Client Sample ID: 055/LMW-6

York Sample ID: 18E0702-03

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 12:05 pm

Date Received
05/14/2018

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00020	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 09:54	05/15/2018 15:17	SY

Mercury by 7473, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002000	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 09:29	05/17/2018 10:45	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	05/15/2018 09:29	05/15/2018 09:29	TJD

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	ND		mg/L	0.0100	1	Calculation Certifications:	05/21/2018 12:51	05/21/2018 12:55	PAM



Sample Information

Client Sample ID: 056/TB-5

York Sample ID: 18E0702-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0702

100688801

Water

May 14, 2018 3:00 pm

05/14/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
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,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/18/2018 07:30	05/18/2018 14:44	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS



Sample Information

Client Sample ID: 056/TB-5

York Sample ID: 18E0702-04

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 3:00 pm

Date Received
05/14/2018

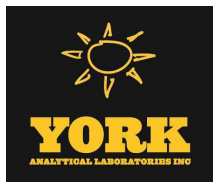
Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS



Sample Information

Client Sample ID: 056/TB-5

York Sample ID: 18E0702-04

York Project (SDG) No.

18E0702

Client Project ID

100688801

Matrix

Water

Collection Date/Time

May 14, 2018 3:00 pm

Date Received

05/14/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS



Sample Information

Client Sample ID: 056/TB-5

York Sample ID: 18E0702-04

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 3:00 pm

Date Received
05/14/2018

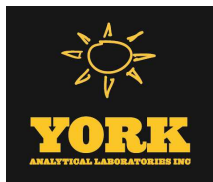
Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 14:44	RDS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/18/2018 07:30	05/18/2018 14:44	RDS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	99.7 %	70-130								
2037-26-5	Surrogate: Toluene-d8	97.2 %	70-130								
460-00-4	Surrogate: p-Bromofluorobenzene	104 %	70-130								



Sample Information

Client Sample ID: 057/FB-2

York Sample ID: 18E0702-05

York Project (SDG) No.

18E0702

Client Project ID

100688801

Matrix

Water

Collection Date/Time

May 14, 2018 11:30 am

Date Received

05/14/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
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,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/18/2018 07:30	05/18/2018 15:12	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS



Sample Information

Client Sample ID: 057/FB-2

York Sample ID: 18E0702-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0702

100688801

Water

May 14, 2018 11:30 am

05/14/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
67-64-1	Acetone	1.08	SCAL- E	ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS



Sample Information

Client Sample ID: 057/FB-2

York Sample ID: 18E0702-05

York Project (SDG) No.

18E0702

Client Project ID

100688801

Matrix

Water

Collection Date/Time

May 14, 2018 11:30 am

Date Received

05/14/2018

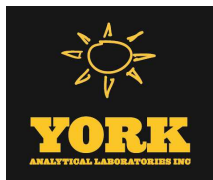
Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS



Sample Information

Client Sample ID: 057/FB-2

York Sample ID: 18E0702-05

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 11:30 am

Date Received
05/14/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 15:12	RDS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/18/2018 07:30	05/18/2018 15:12	RDS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	103 %	70-130								
2037-26-5	Surrogate: Toluene-d8	96.9 %	70-130								
460-00-4	Surrogate: p-Bromofluorobenzene	103 %	70-130								

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR



Sample Information

Client Sample ID: 057/FB-2

York Sample ID: 18E0702-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0702

100688801

Water

May 14, 2018 11:30 am

05/14/2018

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
91-58-7	2-Chloronaphthalene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
95-57-8	2-Chlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
91-57-6	2-Methylnaphthalene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
95-48-7	2-Methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
88-74-4	2-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
88-75-5	2-Nitrophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
99-09-2	3-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
106-47-8	4-Chloroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
100-01-6	4-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
100-02-7	4-Nitrophenol	ND		ug/L	5.13	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR



Sample Information

Client Sample ID: 057/FB-2

York Sample ID: 18E0702-05

York Project (SDG) No.

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18E0702

100688801

Water

May 14, 2018 11:30 am

05/14/2018

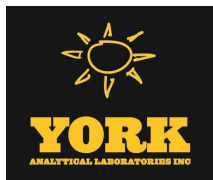
Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-86-2	Acetophenone	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
62-53-3	Aniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
100-52-7	Benzaldehyde	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
92-87-5	Benzidine	ND		ug/L	5.13	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
65-85-0	Benzoic acid	ND		ug/L	25.6	51.3	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
100-51-6	Benzyl alcohol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.03	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
105-60-2	Caprolactam	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
86-74-8	Carbazole	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
132-64-9	Dibenzofuran	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
84-66-2	Diethyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
131-11-3	Dimethyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.13	10.3	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
78-59-1	Isophorone	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
108-95-2	Phenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR



Sample Information

Client Sample ID: 057/FB-2

York Sample ID: 18E0702-05

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 11:30 am

Date Received
05/14/2018

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
110-86-1	Pyridine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:06	SR
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: 2-Fluorophenol	31.2 %		19.7-63.1							
4165-62-2	Surrogate: Phenol-d5	18.7 %		10.1-41.7							
4165-60-0	Surrogate: Nitrobenzene-d5	74.5 %		50.2-113							
321-60-8	Surrogate: 2-Fluorobiphenyl	66.8 %		39.9-105							
118-79-6	Surrogate: 2,4,6-Tribromophenol	96.5 %		39.3-151							
1718-51-0	Surrogate: Terphenyl-d14	62.4 %		30.7-106							

Semivolatiles, 8270 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	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 12:11	SR
208-96-8	Acenaphthylene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 12:11	SR
120-12-7	Anthracene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 12:11	SR
1912-24-9	Atrazine	ND		ug/L	0.513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 12:11	SR
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 12:11	SR
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 12:11	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 12:11	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 12:11	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 12:11	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 12:11	SR
218-01-9	Chrysene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 12:11	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 12:11	SR
206-44-0	Fluoranthene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 12:11	SR
86-73-7	Fluorene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 12:11	SR



Sample Information

Client Sample ID: 057/FB-2

York Sample ID: 18E0702-05

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 11:30 am

Date Received
05/14/2018

Semivolatiles, 8270 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	0.0205	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 12:11	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 12:11	SR
67-72-1	Hexachloroethane	ND		ug/L	0.513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 12:11	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 12:11	SR
91-20-3	Naphthalene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 12:11	SR
98-95-3	Nitrobenzene	ND		ug/L	0.256	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 12:11	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 12:11	SR
87-86-5	Pentachlorophenol	ND		ug/L	0.256	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 12:11	SR
85-01-8	Phenanthrene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 12:11	SR
129-00-0	Pyrene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 12:11	SR

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/15/2018 23:17	SA
72-55-9	4,4'-DDE	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/15/2018 23:17	SA
50-29-3	4,4'-DDT	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/15/2018 23:17	SA
309-00-2	Aldrin	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/15/2018 23:17	SA
319-84-6	alpha-BHC	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/15/2018 23:17	SA
5103-71-9	alpha-Chlordane	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/15/2018 23:17	SA
319-85-7	beta-BHC	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/15/2018 23:17	SA
57-74-9	Chlordane, total	ND		ug/L	0.0205	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/15/2018 23:17	SA
319-86-8	delta-BHC	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/15/2018 23:17	SA



Sample Information

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York Sample ID: 18E0702-05

York Project (SDG) No.
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05/14/2018

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
60-57-1	Dieldrin	ND		ug/L	0.00205	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/15/2018 23:17	SA
959-98-8	Endosulfan I	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/15/2018 23:17	SA
33213-65-9	Endosulfan II	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/15/2018 23:17	SA
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/15/2018 23:17	SA
72-20-8	Endrin	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/15/2018 23:17	SA
7421-93-4	Endrin aldehyde	ND		ug/L	0.0103	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/15/2018 23:17	SA
53494-70-5	Endrin ketone	ND		ug/L	0.0103	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/15/2018 23:17	SA
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/15/2018 23:17	SA
5566-34-7	gamma-Chlordane	ND		ug/L	0.0103	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/15/2018 23:17	SA
76-44-8	Heptachlor	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/15/2018 23:17	SA
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/15/2018 23:17	SA
72-43-5	Methoxychlor	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/15/2018 23:17	SA
8001-35-2	Toxaphene	ND		ug/L	0.103	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/15/2018 23:17	SA
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	108 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	86.9 %	30-150							

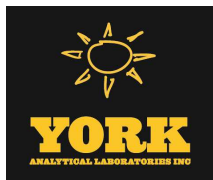
Polychlorinated Biphenyls (PCB), 8082 Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 20:01	LAB
11104-28-2	Aroclor 1221	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 20:01	LAB
11141-16-5	Aroclor 1232	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 20:01	LAB
53469-21-9	Aroclor 1242	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 20:01	LAB



Sample Information

Client Sample ID: 057/FB-2

York Sample ID: 18E0702-05

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 11:30 am

Date Received
05/14/2018

Polychlorinated Biphenyls (PCB), 8082 Target List

Log-in Notes:

Sample Notes:

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12672-29-6	Aroclor 1248	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 20:01	LAB
11097-69-1	Aroclor 1254	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 20:01	LAB
11096-82-5	Aroclor 1260	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 20:01	LAB
1336-36-3	* Total PCBs	ND		ug/L	0.0513	1	EPA 8082A Certifications:	05/15/2018 07:26	05/16/2018 20:01	LAB
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	88.6 %								
2051-24-3	Surrogate: Decachlorobiphenyl	71.8 %								

Metals, Target Analyte, ICP

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	0.710		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:37	KML
7440-39-3	Barium	1.06		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:37	KML
7440-70-2	Calcium	159		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:37	KML
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:37	KML
7440-48-4	Cobalt	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:37	KML
7440-50-8	Copper	0.0124		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:37	KML
7439-89-6	Iron	48.7		mg/L	0.0222	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:37	KML
7439-92-1	Lead	0.161		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:37	KML
7439-95-4	Magnesium	21.4		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:37	KML
7439-96-5	Manganese	0.345		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:37	KML
7440-02-0	Nickel	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:37	KML
7440-09-7	Potassium	21.5	B	mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:37	KML
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:37	KML



Sample Information

Client Sample ID: 057/FB-2

York Sample ID: 18E0702-05

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 11:30 am

Date Received
05/14/2018

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
7440-23-5	Sodium	126	B	mg/L	0.111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:37	KML
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:37	KML
7440-66-6	Zinc	0.282		mg/L	0.0167	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:37	KML

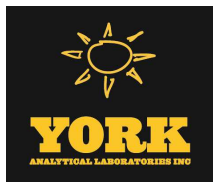
Metals, Target Analyte, ICP Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:45	BML
7440-39-3	Barium	ND		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:45	BML
7440-70-2	Calcium	0.0666		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:45	BML
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:45	BML
7440-48-4	Cobalt	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:45	BML
7440-50-8	Copper	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:45	BML
7439-89-6	Iron	ND		mg/L	0.0222	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:45	BML
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:45	BML
7439-95-4	Magnesium	ND		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:45	BML
7439-96-5	Manganese	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:45	BML
7440-02-0	Nickel	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:45	BML
7440-09-7	Potassium	ND		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:45	BML
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:45	BML
7440-23-5	Sodium	ND		mg/L	0.111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:45	BML
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:45	BML
7440-66-6	Zinc	ND		mg/L	0.0167	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:45	BML



Sample Information

Client Sample ID: 057/FB-2

York Sample ID: 18E0702-05

York Project (SDG) No.

18E0702

Client Project ID

100688801

Matrix

Water

Collection Date/Time

May 14, 2018 11:30 am

Date Received

05/14/2018

Metals, Target Analyte, ICPMS

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:37	BML
7440-38-2	Arsenic	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:37	BML
7440-41-7	Beryllium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:37	BML
7440-43-9	Cadmium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:37	BML
7782-49-2	Selenium	0.00116		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:37	BML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:37	BML

Metals, Target Analyte, ICPMS Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 13:52	BML
7440-38-2	Arsenic	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 13:52	BML
7440-41-7	Beryllium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 13:52	BML
7440-43-9	Cadmium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 13:52	BML
7782-49-2	Selenium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 13:52	BML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 13:52	BML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00020	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 09:54	05/15/2018 15:55	SY

Mercury by 7473, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002000	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 09:29	05/17/2018 12:11	SY



Sample Information

Client Sample ID: 057/FB-2

York Sample ID: 18E0702-05

York Project (SDG) No.

18E0702

Client Project ID

100688801

Matrix

Water

Collection Date/Time

May 14, 2018 11:30 am

Date Received

05/14/2018

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	05/15/2018 09:29	05/15/2018 09:29	TJD
Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP										

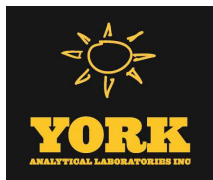
Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	ND		mg/L	0.0100	1	Calculation	05/21/2018 12:51	05/21/2018 12:55	PAM
Certifications:										



Sample Information

Client Sample ID: 058/LMW-3

York Sample ID: 18E0702-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0702

100688801

Water

May 14, 2018 2:00 pm

05/14/2018

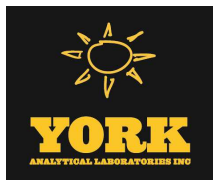
Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
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,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/18/2018 07:30	05/18/2018 17:05	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS



Sample Information

Client Sample ID: 058/LMW-3

York Sample ID: 18E0702-06

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 2:00 pm

Date Received
05/14/2018

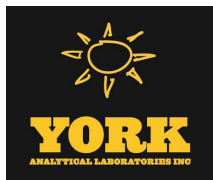
Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
67-64-1	Acetone	1.72	SCAL- E	ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS



Sample Information

Client Sample ID: 058/LMW-3

York Sample ID: 18E0702-06

York Project (SDG) No.

18E0702

Client Project ID

100688801

Matrix

Water

Collection Date/Time

May 14, 2018 2:00 pm

Date Received

05/14/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	1.01		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS



Sample Information

Client Sample ID: 058/LMW-3

York Sample ID: 18E0702-06

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 2:00 pm

Date Received
05/14/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:05	RDS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/18/2018 07:30	05/18/2018 17:05	RDS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	106 %	70-130								
2037-26-5	Surrogate: Toluene-d8	97.2 %	70-130								
460-00-4	Surrogate: p-Bromofluorobenzene	97.8 %	70-130								

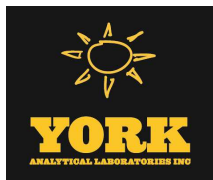
Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR



Sample Information

Client Sample ID: 058/LMW-3

York Sample ID: 18E0702-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0702

100688801

Water

May 14, 2018 2:00 pm

05/14/2018

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
91-58-7	2-Chloronaphthalene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
95-57-8	2-Chlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
91-57-6	2-Methylnaphthalene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
95-48-7	2-Methylphenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
88-74-4	2-Nitroaniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
88-75-5	2-Nitrophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
99-09-2	3-Nitroaniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
106-47-8	4-Chloroaniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
100-01-6	4-Nitroaniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR



Sample Information

Client Sample ID: 058/LMW-3

York Sample ID: 18E0702-06

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 2:00 pm

Date Received
05/14/2018

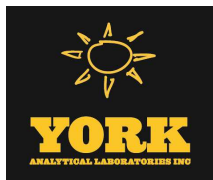
Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-02-7	4-Nitrophenol	ND		ug/L	5.41	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
98-86-2	Acetophenone	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
62-53-3	Aniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
100-52-7	Benzaldehyde	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
92-87-5	Benzidine	ND		ug/L	5.41	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
65-85-0	Benzoic acid	ND		ug/L	27.0	54.1	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
100-51-6	Benzyl alcohol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.08	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
105-60-2	Caprolactam	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
86-74-8	Carbazole	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
132-64-9	Dibenzofuran	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
84-66-2	Diethyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
131-11-3	Dimethyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.41	10.8	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
78-59-1	Isophorone	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR



Sample Information

Client Sample ID: 058/LMW-3

York Sample ID: 18E0702-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0702

100688801

Water

May 14, 2018 2:00 pm

05/14/2018

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-95-2	Phenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
110-86-1	Pyridine	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 17:36	SR
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: 2-Fluorophenol	31.2 %			19.7-63.1						
4165-62-2	Surrogate: Phenol-d5	19.6 %			10.1-41.7						
4165-60-0	Surrogate: Nitrobenzene-d5	68.7 %			50.2-113						
321-60-8	Surrogate: 2-Fluorobiphenyl	64.0 %			39.9-105						
118-79-6	Surrogate: 2,4,6-Tribromophenol	98.2 %			39.3-151						
1718-51-0	Surrogate: Terphenyl-d14	56.5 %			30.7-106						

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

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	0.119		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 12:43	SR
208-96-8	Acenaphthylene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 12:43	SR
120-12-7	Anthracene	0.0757		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 12:43	SR
1912-24-9	Atrazine	ND		ug/L	0.541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 12:43	SR
56-55-3	Benzo(a)anthracene	0.0973		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 12:43	SR
50-32-8	Benzo(a)pyrene	0.0973		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 12:43	SR
205-99-2	Benzo(b)fluoranthene	0.0649		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 12:43	SR
191-24-2	Benzo(g,h,i)perylene	0.0541		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 12:43	SR
207-08-9	Benzo(k)fluoranthene	0.0649		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 12:43	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 12:43	SR
218-01-9	Chrysene	0.0757		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 12:43	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 12:43	SR
206-44-0	Fluoranthene	0.205		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 12:43	SR



Sample Information

Client Sample ID: 058/LMW-3

York Sample ID: 18E0702-06

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 2:00 pm

Date Received
05/14/2018

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

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
86-73-7	Fluorene	0.0757		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 12:43	SR
118-74-1	Hexachlorobenzene	ND		ug/L	0.0216	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 12:43	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 12:43	SR
67-72-1	Hexachloroethane	ND		ug/L	0.541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 12:43	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 12:43	SR
91-20-3	Naphthalene	0.108		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 12:43	SR
98-95-3	Nitrobenzene	ND		ug/L	0.270	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 12:43	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 12:43	SR
87-86-5	Pentachlorophenol	ND		ug/L	0.270	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 12:43	SR
85-01-8	Phenanthrene	0.173		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 12:43	SR
129-00-0	Pyrene	0.141		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 12:43	SR

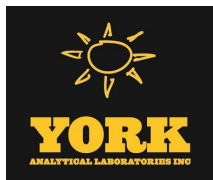
Pesticides, 8081 target list

Log-in Notes:

Sample Notes: EXT-EM

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:25	SA
72-55-9	4,4'-DDE	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:25	SA
50-29-3	4,4'-DDT	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:25	SA
309-00-2	Aldrin	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:25	SA
319-84-6	alpha-BHC	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:25	SA
5103-71-9	alpha-Chlordane	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:25	SA
319-85-7	beta-BHC	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:25	SA
57-74-9	Chlordane, total	ND		ug/L	0.0205	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:25	SA



Sample Information

Client Sample ID: 058/LMW-3

York Sample ID: 18E0702-06

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 2:00 pm

Date Received
05/14/2018

Pesticides, 8081 target list

Log-in Notes:

Sample Notes: EXT-EM

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
319-86-8	delta-BHC	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:25	SA
60-57-1	Dieldrin	ND		ug/L	0.00205	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:25	SA
959-98-8	Endosulfan I	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:25	SA
33213-65-9	Endosulfan II	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:25	SA
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:25	SA
72-20-8	Endrin	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:25	SA
7421-93-4	Endrin aldehyde	ND		ug/L	0.0103	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:25	SA
53494-70-5	Endrin ketone	ND		ug/L	0.0103	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:25	SA
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:25	SA
5566-34-7	gamma-Chlordane	ND		ug/L	0.0103	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:25	SA
76-44-8	Heptachlor	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:25	SA
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:25	SA
72-43-5	Methoxychlor	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:25	SA
8001-35-2	Toxaphene	ND		ug/L	0.103	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 18:25	SA
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	72.6 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	31.5 %	30-150							

Polychlorinated Biphenyls (PCB), 8082 Target List

Log-in Notes:

Sample Notes: EXT-EM

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 06:08	LAB
11104-28-2	Aroclor 1221	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 06:08	LAB
11141-16-5	Aroclor 1232	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 06:08	LAB



Sample Information

Client Sample ID: 058/LMW-3

York Sample ID: 18E0702-06

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 2:00 pm

Date Received
05/14/2018

Polychlorinated Biphenyls (PCB), 8082 Target List

Log-in Notes:

Sample Notes: EXT-EM

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
53469-21-9	Aroclor 1242	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 06:08	LAB
12672-29-6	Aroclor 1248	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 06:08	LAB
11097-69-1	Aroclor 1254	0.224		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 06:08	LAB
11096-82-5	Aroclor 1260	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 06:08	LAB
1336-36-3	* Total PCBs	0.224		ug/L	0.0513	1	EPA 8082A Certifications:	05/15/2018 07:26	05/18/2018 06:08	LAB
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	24.8 %	S-GC							
2051-24-3	Surrogate: Decachlorobiphenyl	52.2 %								

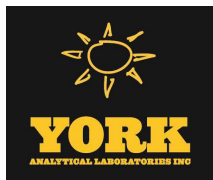
Metals, Target Analyte, ICP

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	1.33		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:39	KML
7440-39-3	Barium	1.09		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:39	KML
7440-70-2	Calcium	276		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:39	KML
7440-47-3	Chromium	0.0112		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:39	KML
7440-48-4	Cobalt	0.00606		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:39	KML
7440-50-8	Copper	0.0223		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:39	KML
7439-89-6	Iron	30.0		mg/L	0.0222	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:39	KML
7439-92-1	Lead	0.0956		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:39	KML
7439-95-4	Magnesium	52.0		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:39	KML
7439-96-5	Manganese	0.453		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:39	KML
7440-02-0	Nickel	0.00629		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:39	KML
7440-09-7	Potassium	37.8	B	mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:39	KML



Sample Information

Client Sample ID: 058/LMW-3

York Sample ID: 18E0702-06

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 2:00 pm

Date Received
05/14/2018

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
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:39	KML
7440-23-5	Sodium	103	B	mg/L	0.111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:39	KML
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:39	KML
7440-66-6	Zinc	0.0987		mg/L	0.0167	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:39	KML

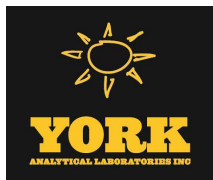
Metals, Target Analyte, ICP Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:47	BML
7440-39-3	Barium	0.264		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:47	BML
7440-70-2	Calcium	103		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:47	BML
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:47	BML
7440-48-4	Cobalt	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:47	BML
7440-50-8	Copper	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:47	BML
7439-89-6	Iron	5.34		mg/L	0.0222	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:47	BML
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:47	BML
7439-95-4	Magnesium	9.97		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:47	BML
7439-96-5	Manganese	0.817		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:47	BML
7440-02-0	Nickel	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:47	BML
7440-09-7	Potassium	17.8		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:47	BML
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:47	BML
7440-23-5	Sodium	180		mg/L	0.111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:47	BML
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:47	BML



Sample Information

Client Sample ID: 058/LMW-3

York Sample ID: 18E0702-06

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 2:00 pm

Date Received
05/14/2018

Metals, Target Analyte, ICP Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	Zinc	ND		mg/L	0.0167	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:47	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		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:44	BML
7440-38-2	Arsenic	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:44	BML
7440-41-7	Beryllium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:44	BML
7440-43-9	Cadmium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:44	BML
7782-49-2	Selenium	0.00231		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:44	BML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:44	BML

Metals, Target Analyte, ICPMS Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 13:59	BML
7440-38-2	Arsenic	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 13:59	BML
7440-41-7	Beryllium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 13:59	BML
7440-43-9	Cadmium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 13:59	BML
7782-49-2	Selenium	0.00350		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 13:59	BML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 13:59	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
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Sample Information

Client Sample ID: 058/LMW-3

York Sample ID: 18E0702-06

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 2:00 pm

Date Received
05/14/2018

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00020	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 09:54	05/15/2018 16:03	SY

Mercury by 7473, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002000	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 09:29	05/17/2018 11:08	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	05/15/2018 09:29	05/15/2018 09:29	TJD

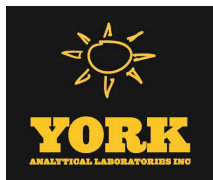
Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	0.0112		mg/L	0.0100	1	Calculation Certifications:	05/21/2018 12:51	05/21/2018 12:55	PAM



Sample Information

Client Sample ID: 059/LMW-4

York Sample ID: 18E0702-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0702

100688801

Water

May 14, 2018 2:45 pm

05/14/2018

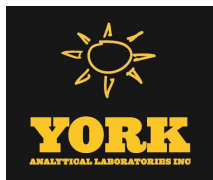
Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
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,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/18/2018 07:30	05/18/2018 17:34	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS



Sample Information

Client Sample ID: 059/LMW-4

York Sample ID: 18E0702-07

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 2:45 pm

Date Received
05/14/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
78-93-3	2-Butanone	1.62		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
67-64-1	Acetone	2.94	SCAL- E	ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS



Sample Information

Client Sample ID: 059/LMW-4

York Sample ID: 18E0702-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0702

100688801

Water

May 14, 2018 2:45 pm

05/14/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	19.9		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
99-87-6	p-Isopropyltoluene	0.540		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS



Sample Information

Client Sample ID: 059/LMW-4

York Sample ID: 18E0702-07

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 2:45 pm

Date Received
05/14/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
108-88-3	Toluene	0.230		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 17:34	RDS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/18/2018 07:30	05/18/2018 17:34	RDS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	107 %	70-130								
2037-26-5	Surrogate: Toluene-d8	97.7 %	70-130								
460-00-4	Surrogate: p-Bromofluorobenzene	99.6 %	70-130								

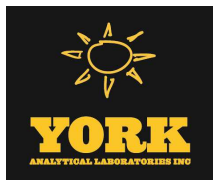
Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR



Sample Information

Client Sample ID: 059/LMW-4

York Sample ID: 18E0702-07

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 2:45 pm

Date Received
05/14/2018

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
91-58-7	2-Chloronaphthalene	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
95-57-8	2-Chlorophenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
91-57-6	2-Methylnaphthalene	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
95-48-7	2-Methylphenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
88-74-4	2-Nitroaniline	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
88-75-5	2-Nitrophenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
65794-96-9	3- & 4-Methylphenols	6.43		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
99-09-2	3-Nitroaniline	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
106-47-8	4-Chloroaniline	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
100-01-6	4-Nitroaniline	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR



Sample Information

Client Sample ID: 059/LMW-4

York Sample ID: 18E0702-07

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 2:45 pm

Date Received
05/14/2018

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-02-7	4-Nitrophenol	ND		ug/L	5.71	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
98-86-2	Acetophenone	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
62-53-3	Aniline	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
100-52-7	Benzaldehyde	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
92-87-5	Benzidine	ND		ug/L	5.71	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
65-85-0	Benzoic acid	ND		ug/L	28.6	57.1	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
100-51-6	Benzyl alcohol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.14	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
105-60-2	Caprolactam	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
86-74-8	Carbazole	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
132-64-9	Dibenzofuran	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
84-66-2	Diethyl phthalate	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
131-11-3	Dimethyl phthalate	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.71	11.4	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
78-59-1	Isophorone	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR



Sample Information

Client Sample ID: 059/LMW-4

York Sample ID: 18E0702-07

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 2:45 pm

Date Received
05/14/2018

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-95-2	Phenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
110-86-1	Pyridine	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:07	SR
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: 2-Fluorophenol	35.9 %			19.7-63.1						
4165-62-2	Surrogate: Phenol-d5	23.5 %			10.1-41.7						
4165-60-0	Surrogate: Nitrobenzene-d5	75.5 %			50.2-113						
321-60-8	Surrogate: 2-Fluorobiphenyl	70.6 %			39.9-105						
118-79-6	Surrogate: 2,4,6-Tribromophenol	111 %			39.3-151						
1718-51-0	Surrogate: Terphenyl-d14	55.5 %			30.7-106						

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

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	0.126		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 13:14	SR
208-96-8	Acenaphthylene	ND		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 13:14	SR
120-12-7	Anthracene	0.0800		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 13:14	SR
1912-24-9	Atrazine	ND		ug/L	0.571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 13:14	SR
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 13:14	SR
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 13:14	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 13:14	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 13:14	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 13:14	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 13:14	SR
218-01-9	Chrysene	ND		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 13:14	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 13:14	SR
206-44-0	Fluoranthene	0.194		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 13:14	SR



Sample Information

Client Sample ID: 059/LMW-4

York Sample ID: 18E0702-07

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 2:45 pm

Date Received
05/14/2018

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

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
86-73-7	Fluorene	0.286		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 13:14	SR
118-74-1	Hexachlorobenzene	ND		ug/L	0.0229	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 13:14	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 13:14	SR
67-72-1	Hexachloroethane	ND		ug/L	0.571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 13:14	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 13:14	SR
91-20-3	Naphthalene	0.206		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 13:14	SR
98-95-3	Nitrobenzene	ND		ug/L	0.286	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 13:14	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 13:14	SR
87-86-5	Pentachlorophenol	ND		ug/L	0.286	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 13:14	SR
85-01-8	Phenanthrene	0.389		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 13:14	SR
129-00-0	Pyrene	0.103		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 13:14	SR

Pesticides, 8081 target list

Log-in Notes:

Sample Notes: EXT-EM

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:25	SA
72-55-9	4,4'-DDE	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:25	SA
50-29-3	4,4'-DDT	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:25	SA
309-00-2	Aldrin	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:25	SA
319-84-6	alpha-BHC	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:25	SA
5103-71-9	alpha-Chlordane	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:25	SA
319-85-7	beta-BHC	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:25	SA
57-74-9	Chlordane, total	ND		ug/L	0.0229	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:25	SA



Sample Information

Client Sample ID: 059/LMW-4

York Sample ID: 18E0702-07

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 2:45 pm

Date Received
05/14/2018

Pesticides, 8081 target list

Log-in Notes:

Sample Notes: EXT-EM

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
319-86-8	delta-BHC	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:25	SA
60-57-1	Dieldrin	ND		ug/L	0.00229	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:25	SA
959-98-8	Endosulfan I	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:25	SA
33213-65-9	Endosulfan II	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:25	SA
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:25	SA
72-20-8	Endrin	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:25	SA
7421-93-4	Endrin aldehyde	ND		ug/L	0.0114	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:25	SA
53494-70-5	Endrin ketone	ND		ug/L	0.0114	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:25	SA
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:25	SA
5566-34-7	gamma-Chlordane	ND		ug/L	0.0114	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:25	SA
76-44-8	Heptachlor	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:25	SA
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:25	SA
72-43-5	Methoxychlor	ND		ug/L	0.00457	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:25	SA
8001-35-2	Toxaphene	ND		ug/L	0.114	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:25	SA
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	48.4 %			30-150					
877-09-8	Surrogate: Tetrachloro-m-xylene	23.8 %	GC-SC		30-150					
				u						

Polychlorinated Biphenyls (PCB), 8082 Target List

Log-in Notes:

Sample Notes: EXT-EM

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0571	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 04:32	LAB
11104-28-2	Aroclor 1221	ND		ug/L	0.0571	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 04:32	LAB
11141-16-5	Aroclor 1232	ND		ug/L	0.0571	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 04:32	LAB



Sample Information

Client Sample ID: 059/LMW-4

York Sample ID: 18E0702-07

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

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May 14, 2018 2:45 pm

Date Received
05/14/2018

Polychlorinated Biphenyls (PCB), 8082 Target List

Log-in Notes:

Sample Notes: EXT-EM

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
53469-21-9	Aroclor 1242	ND		ug/L	0.0571	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 04:32	LAB
12672-29-6	Aroclor 1248	ND		ug/L	0.0571	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 04:32	LAB
11097-69-1	Aroclor 1254	ND		ug/L	0.0571	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 04:32	LAB
11096-82-5	Aroclor 1260	ND		ug/L	0.0571	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 04:32	LAB
1336-36-3	* Total PCBs	ND		ug/L	0.0571	1	EPA 8082A Certifications:	05/15/2018 07:26	05/18/2018 04:32	LAB
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	25.2 %	S-GC		30-150					
2051-24-3	Surrogate: Decachlorobiphenyl	55.0 %			30-150					

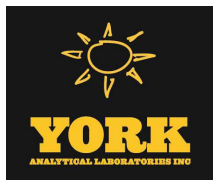
Metals, Target Analyte, ICP

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	0.232		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:41	KML
7440-39-3	Barium	0.0814		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:41	KML
7440-70-2	Calcium	82.5		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:41	KML
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:41	KML
7440-48-4	Cobalt	0.00615		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:41	KML
7440-50-8	Copper	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:41	KML
7439-89-6	Iron	0.532		mg/L	0.0222	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:41	KML
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:41	KML
7439-95-4	Magnesium	7.61		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:41	KML
7439-96-5	Manganese	0.439		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:41	KML
7440-02-0	Nickel	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:41	KML
7440-09-7	Potassium	10.6	B	mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:41	KML



Sample Information

Client Sample ID: 059/LMW-4

York Sample ID: 18E0702-07

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

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May 14, 2018 2:45 pm

Date Received
05/14/2018

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
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:41	KML
7440-23-5	Sodium	76.1	B	mg/L	0.111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:41	KML
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:41	KML
7440-66-6	Zinc	ND		mg/L	0.0167	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:41	KML

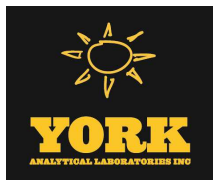
Metals, Target Analyte, ICP Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:49	BML
7440-39-3	Barium	0.450		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:49	BML
7440-70-2	Calcium	156		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:49	BML
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:49	BML
7440-48-4	Cobalt	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:49	BML
7440-50-8	Copper	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:49	BML
7439-89-6	Iron	2.94		mg/L	0.0222	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:49	BML
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:49	BML
7439-95-4	Magnesium	21.2		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:49	BML
7439-96-5	Manganese	0.309		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:49	BML
7440-02-0	Nickel	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:49	BML
7440-09-7	Potassium	20.8		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:49	BML
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:49	BML
7440-23-5	Sodium	123		mg/L	0.111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:49	BML
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:49	BML



Sample Information

Client Sample ID: 059/LMW-4

York Sample ID: 18E0702-07

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 2:45 pm

Date Received
05/14/2018

Metals, Target Analyte, ICP Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	Zinc	0.0181		mg/L	0.0167	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:49	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		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:51	BML
7440-38-2	Arsenic	0.00957		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:51	BML
7440-41-7	Beryllium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:51	BML
7440-43-9	Cadmium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:51	BML
7782-49-2	Selenium	0.0209		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:51	BML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 12:51	BML

Metals, Target Analyte, ICPMS Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 14:05	BML
7440-38-2	Arsenic	0.00455		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 14:05	BML
7440-41-7	Beryllium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 14:05	BML
7440-43-9	Cadmium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 14:05	BML
7782-49-2	Selenium	0.0146		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 14:05	BML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 14:05	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
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Sample Information

Client Sample ID: 059/LMW-4

York Sample ID: 18E0702-07

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 2:45 pm

Date Received
05/14/2018

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00020	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 09:54	05/15/2018 16:15	SY

Mercury by 7473, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002000	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 09:29	05/17/2018 12:23	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	05/15/2018 09:29	05/15/2018 09:29	TJD

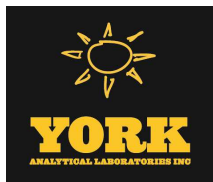
Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	ND		mg/L	0.0100	1	Calculation Certifications:	05/21/2018 12:51	05/21/2018 12:55	PAM



Sample Information

Client Sample ID: 060/LMW-2

York Sample ID: 18E0702-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0702

100688801

Water

May 14, 2018 4:15 pm

05/14/2018

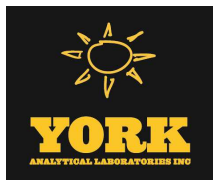
Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
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,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/18/2018 07:30	05/18/2018 18:02	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
95-63-6	1,2,4-Trimethylbenzene	0.260		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS



Sample Information

Client Sample ID: 060/LMW-2

York Sample ID: 18E0702-08

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 4:15 pm

Date Received
05/14/2018

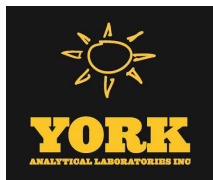
Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
78-93-3	2-Butanone	1.79		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
67-64-1	Acetone	7.64	SCAL- E	ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
71-43-2	Benzene	0.470		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
75-15-0	Carbon disulfide	0.460		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS



Sample Information

Client Sample ID: 060/LMW-2

York Sample ID: 18E0702-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0702

100688801

Water

May 14, 2018 4:15 pm

05/14/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
95-47-6	o-Xylene	0.430		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
179601-23-1	p- & m- Xylenes	0.720		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
75-65-0	tert-Butyl alcohol (TBA)	9.63		ug/L	0.500	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS



Sample Information

Client Sample ID: 060/LMW-2

York Sample ID: 18E0702-08

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 4:15 pm

Date Received
05/14/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
108-88-3	Toluene	1.23		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/18/2018 07:30	05/18/2018 18:02	RDS
1330-20-7	Xylenes, Total	1.15		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/18/2018 07:30	05/18/2018 18:02	RDS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	106 %	70-130								
2037-26-5	Surrogate: Toluene-d8	98.1 %	70-130								
460-00-4	Surrogate: p-Bromofluorobenzene	98.9 %	70-130								

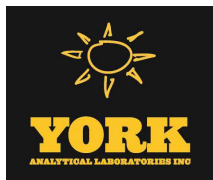
Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR



Sample Information

Client Sample ID: 060/LMW-2

York Sample ID: 18E0702-08

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 4:15 pm

Date Received
05/14/2018

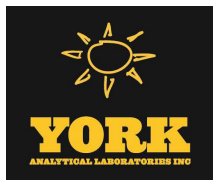
Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
120-83-2	2,4-Dichlorophenol	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
105-67-9	2,4-Dimethylphenol	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
51-28-5	2,4-Dinitrophenol	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
91-58-7	2-Chloronaphthalene	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
95-57-8	2-Chlorophenol	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
91-57-6	2-Methylnaphthalene	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
95-48-7	2-Methylphenol	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
88-74-4	2-Nitroaniline	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
88-75-5	2-Nitrophenol	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
99-09-2	3-Nitroaniline	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
106-47-8	4-Chloroaniline	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
100-01-6	4-Nitroaniline	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR



Sample Information

Client Sample ID: 060/LMW-2

York Sample ID: 18E0702-08

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 4:15 pm

Date Received
05/14/2018

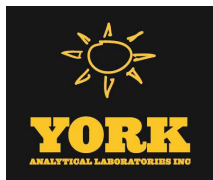
Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-02-7	4-Nitrophenol	ND		ug/L	6.45	6.45	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
98-86-2	Acetophenone	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
62-53-3	Aniline	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
100-52-7	Benzaldehyde	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
92-87-5	Benzidine	ND		ug/L	6.45	6.45	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
65-85-0	Benzoic acid	ND		ug/L	32.3	64.5	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
100-51-6	Benzyl alcohol	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
85-68-7	Benzyl butyl phthalate	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.29	6.45	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
105-60-2	Caprolactam	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
86-74-8	Carbazole	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
132-64-9	Dibenzofuran	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
84-66-2	Diethyl phthalate	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
131-11-3	Dimethyl phthalate	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
84-74-2	Di-n-butyl phthalate	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
117-84-0	Di-n-octyl phthalate	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	6.45	12.9	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
78-59-1	Isophorone	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR



Sample Information

Client Sample ID: 060/LMW-2

York Sample ID: 18E0702-08

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 4:15 pm

Date Received
05/14/2018

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-95-2	Phenol	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
110-86-1	Pyridine	ND		ug/L	3.23	6.45	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/18/2018 18:38	SR
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: 2-Fluorophenol	41.3 %			19.7-63.1						
4165-62-2	Surrogate: Phenol-d5	28.5 %			10.1-41.7						
4165-60-0	Surrogate: Nitrobenzene-d5	73.9 %			50.2-113						
321-60-8	Surrogate: 2-Fluorobiphenyl	68.0 %			39.9-105						
118-79-6	Surrogate: 2,4,6-Tribromophenol	101 %			39.3-151						
1718-51-0	Surrogate: Terphenyl-d14	59.3 %			30.7-106						

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

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	3.56		ug/L	0.0645	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 13:46	SR
208-96-8	Acenaphthylene	0.0645		ug/L	0.0645	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 13:46	SR
120-12-7	Anthracene	0.232		ug/L	0.0645	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 13:46	SR
1912-24-9	Atrazine	ND		ug/L	0.645	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 13:46	SR
56-55-3	Benzo(a)anthracene	0.271		ug/L	0.0645	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 13:46	SR
50-32-8	Benzo(a)pyrene	0.284		ug/L	0.0645	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 13:46	SR
205-99-2	Benzo(b)fluoranthene	0.297		ug/L	0.0645	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 13:46	SR
191-24-2	Benzo(g,h,i)perylene	0.142		ug/L	0.0645	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 13:46	SR
207-08-9	Benzo(k)fluoranthene	0.219		ug/L	0.0645	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 13:46	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.645	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 13:46	SR
218-01-9	Chrysene	0.271		ug/L	0.0645	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 13:46	SR
53-70-3	Dibenzo(a,h)anthracene	0.0645		ug/L	0.0645	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 13:46	SR
206-44-0	Fluoranthene	0.761		ug/L	0.0645	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 13:46	SR



Sample Information

Client Sample ID: 060/LMW-2

York Sample ID: 18E0702-08

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 4:15 pm

Date Received
05/14/2018

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

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
86-73-7	Fluorene	1.79		ug/L	0.0645	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 13:46	SR
118-74-1	Hexachlorobenzene	ND		ug/L	0.0258	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 13:46	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.645	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 13:46	SR
67-72-1	Hexachloroethane	ND		ug/L	0.645	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 13:46	SR
193-39-5	Indeno(1,2,3-cd)pyrene	0.142		ug/L	0.0645	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 13:46	SR
91-20-3	Naphthalene	0.142		ug/L	0.0645	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 13:46	SR
98-95-3	Nitrobenzene	ND		ug/L	0.323	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 13:46	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.645	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 13:46	SR
87-86-5	Pentachlorophenol	ND		ug/L	0.323	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	05/16/2018 06:56	05/17/2018 13:46	SR
85-01-8	Phenanthrene	0.426		ug/L	0.0645	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 13:46	SR
129-00-0	Pyrene	0.439		ug/L	0.0645	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/16/2018 06:56	05/17/2018 13:46	SR

Pesticides, 8081 target list

Log-in Notes:

Sample Notes: EXT-EM

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:11	SA
72-55-9	4,4'-DDE	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:11	SA
50-29-3	4,4'-DDT	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:11	SA
309-00-2	Aldrin	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:11	SA
319-84-6	alpha-BHC	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:11	SA
5103-71-9	alpha-Chlordane	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:11	SA
319-85-7	beta-BHC	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:11	SA
57-74-9	Chlordane, total	ND		ug/L	0.0222	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:11	SA



Sample Information

Client Sample ID: 060/LMW-2

York Sample ID: 18E0702-08

York Project (SDG) No.
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Client Project ID
100688801

Matrix
Water

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May 14, 2018 4:15 pm

Date Received
05/14/2018

Pesticides, 8081 target list

Log-in Notes:

Sample Notes: EXT-EM

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
319-86-8	delta-BHC	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:11	SA
60-57-1	Dieldrin	ND		ug/L	0.00222	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:11	SA
959-98-8	Endosulfan I	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:11	SA
33213-65-9	Endosulfan II	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:11	SA
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:11	SA
72-20-8	Endrin	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:11	SA
7421-93-4	Endrin aldehyde	ND		ug/L	0.0111	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:11	SA
53494-70-5	Endrin ketone	ND		ug/L	0.0111	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:11	SA
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:11	SA
5566-34-7	gamma-Chlordane	ND		ug/L	0.0111	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:11	SA
76-44-8	Heptachlor	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:11	SA
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:11	SA
72-43-5	Methoxychlor	ND		ug/L	0.00444	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:11	SA
8001-35-2	Toxaphene	ND		ug/L	0.111	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 07:26	05/16/2018 17:11	SA
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	61.7 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	41.0 %	30-150							

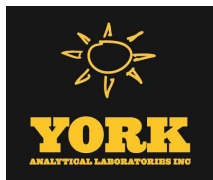
Polychlorinated Biphenyls (PCB), 8082 Target List

Log-in Notes:

Sample Notes: EXT-EM

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 04:08	LAB
11104-28-2	Aroclor 1221	ND		ug/L	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 04:08	LAB
11141-16-5	Aroclor 1232	ND		ug/L	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 04:08	LAB



Sample Information

Client Sample ID: 060/LMW-2

York Sample ID: 18E0702-08

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
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May 14, 2018 4:15 pm

Date Received
05/14/2018

Polychlorinated Biphenyls (PCB), 8082 Target List

Log-in Notes:

Sample Notes: EXT-EM

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

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
53469-21-9	Aroclor 1242	ND		ug/L	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 04:08	LAB
12672-29-6	Aroclor 1248	ND		ug/L	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 04:08	LAB
11097-69-1	Aroclor 1254	ND		ug/L	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 04:08	LAB
11096-82-5	Aroclor 1260	ND		ug/L	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	05/15/2018 07:26	05/18/2018 04:08	LAB
1336-36-3	* Total PCBs	ND		ug/L	0.0556	1	EPA 8082A Certifications:	05/15/2018 07:26	05/18/2018 04:08	LAB
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	33.7 %					30-150			
2051-24-3	Surrogate: Decachlorobiphenyl	76.1 %					30-150			

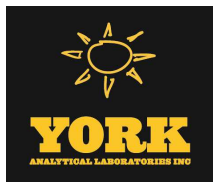
Metals, Target Analyte, ICP

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	0.0808		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:43	KML
7440-39-3	Barium	0.0858		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:43	KML
7440-70-2	Calcium	94.2		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:43	KML
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:43	KML
7440-48-4	Cobalt	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:43	KML
7440-50-8	Copper	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:43	KML
7439-89-6	Iron	0.229		mg/L	0.0222	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:43	KML
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:43	KML
7439-95-4	Magnesium	7.91		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:43	KML
7439-96-5	Manganese	1.73		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:43	KML
7440-02-0	Nickel	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:43	KML
7440-09-7	Potassium	10.5	B	mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:43	KML



Sample Information

Client Sample ID: 060/LMW-2

York Sample ID: 18E0702-08

York Project (SDG) No.

18E0702

Client Project ID

100688801

Matrix

Water

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May 14, 2018 4:15 pm

Date Received

05/14/2018

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
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:43	KML
7440-23-5	Sodium	111	B	mg/L	0.111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:43	KML
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:43	KML
7440-66-6	Zinc	ND		mg/L	0.0167	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:17	05/18/2018 13:43	KML

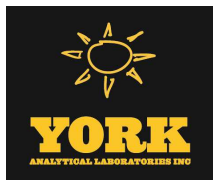
Metals, Target Analyte, ICP Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:52	BML
7440-39-3	Barium	0.753		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:52	BML
7440-70-2	Calcium	260		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:52	BML
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:52	BML
7440-48-4	Cobalt	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:52	BML
7440-50-8	Copper	0.00733		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:52	BML
7439-89-6	Iron	0.0823		mg/L	0.0222	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:52	BML
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:52	BML
7439-95-4	Magnesium	49.5		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:52	BML
7439-96-5	Manganese	0.388		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:52	BML
7440-02-0	Nickel	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:52	BML
7440-09-7	Potassium	41.3		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:52	BML
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:52	BML
7440-23-5	Sodium	99.5		mg/L	0.111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:52	BML
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:52	BML



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Metals, Target Analyte, ICP Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	Zinc	ND		mg/L	0.0167	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:33	05/21/2018 12:52	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		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 13:11	BML
7440-38-2	Arsenic	0.00614		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 13:11	BML
7440-41-7	Beryllium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 13:11	BML
7440-43-9	Cadmium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 13:11	BML
7782-49-2	Selenium	0.0185		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 13:11	BML
7440-28-0	Thallium	0.00318		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 10:19	05/21/2018 13:11	BML

Metals, Target Analyte, ICPMS Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 15:20	BML
7440-38-2	Arsenic	0.00141		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 15:20	BML
7440-41-7	Beryllium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 15:20	BML
7440-43-9	Cadmium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 15:20	BML
7782-49-2	Selenium	0.0109		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 15:20	BML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/18/2018 09:36	05/21/2018 15:20	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
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Sample Information

Client Sample ID: 060/LMW-2

York Sample ID: 18E0702-08

York Project (SDG) No.
18E0702

Client Project ID
100688801

Matrix
Water

Collection Date/Time
May 14, 2018 4:15 pm

Date Received
05/14/2018

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00020	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/15/2018 09:54	05/15/2018 16:26	SY

Mercury by 7473, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002000	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/17/2018 09:29	05/17/2018 12:37	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	05/15/2018 09:29	05/15/2018 09:29	TJD

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	ND		mg/L	0.0100	1	Calculation Certifications:	05/21/2018 12:51	05/21/2018 12:55	PAM



Analytical Batch Summary

Batch ID: BE80760 **Preparation Method:** EPA SW846-3510C Low Level **Prepared By:** TMP

YORK Sample ID	Client Sample ID	Preparation Date
18E0702-01	053/LMW-5	05/15/18
18E0702-01	053/LMW-5	05/15/18
18E0702-02	054/DUP-3	05/15/18
18E0702-02	054/DUP-3	05/15/18
18E0702-03	055/LMW-6	05/15/18
18E0702-03	055/LMW-6	05/15/18
18E0702-05	057/FB-2	05/15/18
18E0702-05	057/FB-2	05/15/18
18E0702-06	058/LMW-3	05/15/18
18E0702-06	058/LMW-3	05/15/18
18E0702-07	059/LMW-4	05/15/18
18E0702-07	059/LMW-4	05/15/18
18E0702-08	060/LMW-2	05/15/18
18E0702-08	060/LMW-2	05/15/18
BE80760-BLK1	Blank	05/15/18
BE80760-BLK2	Blank	05/15/18
BE80760-BS1	LCS	05/15/18
BE80760-BS2	LCS	05/15/18
BE80760-BSD1	LCS Dup	05/15/18
BE80760-BSD2	LCS Dup	05/15/18

Batch ID: BE80768 **Preparation Method:** Analysis Preparation **Prepared By:** TJD

YORK Sample ID	Client Sample ID	Preparation Date
18E0702-01	053/LMW-5	05/15/18
18E0702-02	054/DUP-3	05/15/18
18E0702-03	055/LMW-6	05/15/18
18E0702-05	057/FB-2	05/15/18
18E0702-06	058/LMW-3	05/15/18
18E0702-07	059/LMW-4	05/15/18
18E0702-08	060/LMW-2	05/15/18
BE80768-BLK1	Blank	05/15/18
BE80768-BS1	LCS	05/15/18
BE80768-DUP1	Duplicate	05/15/18
BE80768-MS1	Matrix Spike	05/15/18

Batch ID: BE80773 **Preparation Method:** EPA 7473 water **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
18E0702-01	053/LMW-5	05/15/18
18E0702-02	054/DUP-3	05/15/18
18E0702-03	055/LMW-6	05/15/18
18E0702-05	057/FB-2	05/15/18
18E0702-06	058/LMW-3	05/15/18
18E0702-07	059/LMW-4	05/15/18



18E0702-08	060/LMW-2	05/15/18
BE80773-BLK1	Blank	05/15/18
BE80773-DUP1	Duplicate	05/15/18
BE80773-MS1	Matrix Spike	05/15/18
BE80773-SRM1	Reference	05/15/18

Batch ID: BE80831 **Preparation Method:** EPA 3510C **Prepared By:** TMP

YORK Sample ID	Client Sample ID	Preparation Date
18E0702-01	053/LMW-5	05/16/18
18E0702-02	054/DUP-3	05/16/18
18E0702-03	055/LMW-6	05/16/18
18E0702-05	057/FB-2	05/16/18
18E0702-06	058/LMW-3	05/16/18
18E0702-07	059/LMW-4	05/16/18
18E0702-08	060/LMW-2	05/16/18
BE80831-BLK1	Blank	05/16/18
BE80831-BLK2	Blank	05/16/18
BE80831-BS1	LCS	05/16/18
BE80831-BS2	LCS	05/16/18
BE80831-BSD1	LCS Dup	05/16/18

Batch ID: BE80919 **Preparation Method:** EPA 7473 water **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
18E0702-01	053/LMW-5	05/17/18
18E0702-02	054/DUP-3	05/17/18
18E0702-03	055/LMW-6	05/17/18
18E0702-05	057/FB-2	05/17/18
18E0702-06	058/LMW-3	05/17/18
18E0702-07	059/LMW-4	05/17/18
18E0702-08	060/LMW-2	05/17/18
BE80919-BLK1	Blank	05/17/18
BE80919-SRM1	Reference	05/17/18

Batch ID: BE80922 **Preparation Method:** EPA 3015A **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
18E0702-01	053/LMW-5	05/17/18
18E0702-02	054/DUP-3	05/17/18
18E0702-03	055/LMW-6	05/17/18
18E0702-05	057/FB-2	05/17/18
18E0702-06	058/LMW-3	05/17/18
18E0702-07	059/LMW-4	05/17/18
18E0702-08	060/LMW-2	05/17/18
BE80922-BLK1	Blank	05/17/18
BE80922-DUP1	Duplicate	05/17/18
BE80922-MS1	Matrix Spike	05/17/18



Batch ID: BE80923

Preparation Method: EPA 3015A

Prepared By: SY

YORK Sample ID	Client Sample ID	Preparation Date
18E0702-01	053/LMW-5	05/17/18
18E0702-02	054/DUP-3	05/17/18
18E0702-03	055/LMW-6	05/17/18
18E0702-05	057/FB-2	05/17/18
18E0702-06	058/LMW-3	05/17/18
18E0702-07	059/LMW-4	05/17/18
18E0702-08	060/LMW-2	05/17/18
BE80923-BLK1	Blank	05/17/18
BE80923-BS1	LCS	05/17/18

Batch ID: BE80978

Preparation Method: EPA 5030B

Prepared By: TAB

YORK Sample ID	Client Sample ID	Preparation Date
18E0702-01	053/LMW-5	05/18/18
18E0702-02	054/DUP-3	05/18/18
18E0702-04	056/TB-5	05/18/18
18E0702-05	057/FB-2	05/18/18
18E0702-06	058/LMW-3	05/18/18
18E0702-07	059/LMW-4	05/18/18
18E0702-08	060/LMW-2	05/18/18
BE80978-BLK1	Blank	05/18/18
BE80978-BS1	LCS	05/18/18
BE80978-BSD1	LCS Dup	05/18/18

Batch ID: BE80993

Preparation Method: EPA 3015A

Prepared By: SY

YORK Sample ID	Client Sample ID	Preparation Date
18E0702-01	053/LMW-5	05/18/18
18E0702-02	054/DUP-3	05/18/18
18E0702-03	055/LMW-6	05/18/18
18E0702-05	057/FB-2	05/18/18
18E0702-06	058/LMW-3	05/18/18
18E0702-07	059/LMW-4	05/18/18
18E0702-08	060/LMW-2	05/18/18
BE80993-BLK1	Blank	05/18/18
BE80993-BS1	LCS	05/18/18
BE80993-DUP1	Duplicate	05/18/18
BE80993-MS1	Matrix Spike	05/18/18

Batch ID: BE80994

Preparation Method: EPA 3015A

Prepared By: SY

YORK Sample ID	Client Sample ID	Preparation Date
18E0702-01	053/LMW-5	05/18/18
18E0702-02	054/DUP-3	05/18/18
18E0702-03	055/LMW-6	05/18/18
18E0702-05	057/FB-2	05/18/18
18E0702-06	058/LMW-3	05/18/18



18E0702-07	059/LMW-4	05/18/18
18E0702-08	060/LMW-2	05/18/18
BE80994-BLK1	Blank	05/18/18
BE80994-BS1	LCS	05/18/18

Batch ID: BE81050 **Preparation Method:** EPA 5030B **Prepared By:** TAB

YORK Sample ID	Client Sample ID	Preparation Date
18E0702-03	055/LMW-6	05/21/18
BE81050-BLK1	Blank	05/21/18
BE81050-BS1	LCS	05/21/18
BE81050-BSD1	LCS Dup	05/21/18

Batch ID: BE81087 **Preparation Method:** Analysis Preparation **Prepared By:** PAM

YORK Sample ID	Client Sample ID	Preparation Date
18E0702-01	053/LMW-5	05/21/18
18E0702-02	054/DUP-3	05/21/18
18E0702-03	055/LMW-6	05/21/18
18E0702-05	057/FB-2	05/21/18
18E0702-06	058/LMW-3	05/21/18
18E0702-07	059/LMW-4	05/21/18
18E0702-08	060/LMW-2	05/21/18



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
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Batch BE80978 - EPA 5030B

Blank (BE80978-BLK1)

Prepared & Analyzed: 05/18/2018

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	"
1,1-Dichloropropylene	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	"
2,2-Dichloropropane	ND	0.500	"
2-Butanone	ND	0.500	"
2-Chlorotoluene	ND	0.500	"
2-Hexanone	ND	0.500	"
4-Chlorotoluene	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	"
Bromobenzene	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	"
Ethyl Benzene	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
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Batch BE80978 - EPA 5030B

Blank (BE80978-BLK1)

Prepared & Analyzed: 05/18/2018

Hexachlorobutadiene	ND	0.500	ug/L
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-Isopropyltoluene	ND	0.500	"
sec-Butylbenzene	ND	0.500	"
Styrene	ND	0.500	"
tert-Butyl alcohol (TBA)	ND	2.00	"
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

10.1

"

10.0

101

70-130

Surrogate: Toluene-d8

9.72

"

10.0

97.2

70-130

Surrogate: p-Bromofluorobenzene

10.3

"

10.0

103

70-130

LCS (BE80978-BS1)

Prepared & Analyzed: 05/18/2018

1,1,1,2-Tetrachloroethane	11.8	ug/L	10.0	118	82-126	30
1,1,1-Trichloroethane	10.1	"	10.0	101	70-130	20
1,1,2,2-Tetrachloroethane	10.5	"	10.0	105	70-130	20
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	7.27	"	10.0	72.7	70-130	20
1,1,2-Trichloroethane	9.50	"	10.0	95.0	70-130	20
1,1-Dichloroethane	10.3	"	10.0	103	70-130	20
1,1-Dichloroethylene	8.65	"	10.0	86.5	70-130	20
1,1-Dichloropropylene	9.55	"	10.0	95.5	83-133	30
1,2,3-Trichlorobenzene	9.89	"	10.0	98.9	70-130	20
1,2,3-Trichloropropane	9.76	"	10.0	97.6	77-128	30
1,2,4-Trichlorobenzene	9.80	"	10.0	98.0	70-130	20
1,2,4-Trimethylbenzene	9.86	"	10.0	98.6	82-132	20
1,2-Dibromo-3-chloropropane	10.1	"	10.0	101	40-160	20
1,2-Dibromoethane	9.98	"	10.0	99.8	70-130	20
1,2-Dichlorobenzene	9.82	"	10.0	98.2	70-130	20
1,2-Dichloroethane	10.5	"	10.0	105	70-130	20
1,2-Dichloropropane	9.32	"	10.0	93.2	70-130	20
1,3,5-Trimethylbenzene	9.57	"	10.0	95.7	80-131	30
1,3-Dichlorobenzene	10.2	"	10.0	102	70-130	20
1,3-Dichloropropane	9.66	"	10.0	96.6	81-125	30
1,4-Dichlorobenzene	9.50	"	10.0	95.0	70-130	20
1,4-Dioxane	93.7	"	210	44.6	40-160	20
2,2-Dichloropropane	10.7	"	10.0	107	56-150	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 BE80978 - EPA 5030B											
LCS (BE80978-BS1)						Prepared & Analyzed: 05/18/2018					
2-Butanone	9.48		ug/L	10.0		94.8	40-160			20	
2-Chlorotoluene	9.83		"	10.0		98.3	79-130			30	
2-Hexanone	8.60		"	10.0		86.0	40-160			20	
4-Chlorotoluene	9.41		"	10.0		94.1	79-128			30	
4-Methyl-2-pentanone	9.01		"	10.0		90.1	40-160			20	
Acetone	7.50		"	10.0		75.0	40-160			20	
Acrolein	6.26		"	10.0		62.6	10-153			30	
Acrylonitrile	9.87		"	10.0		98.7	51-150			30	
Benzene	10.4		"	10.0		104	70-130			20	
Bromobenzene	9.48		"	10.0		94.8	78-129			30	
Bromochloromethane	10.8		"	10.0		108	70-130			20	
Bromodichloromethane	9.85		"	10.0		98.5	70-130			20	
Bromoform	11.9		"	10.0		119	70-130			20	
Bromomethane	8.16		"	10.0		81.6	40-160			20	
Carbon disulfide	10.3		"	10.0		103	40-160			20	
Carbon tetrachloride	10.9		"	10.0		109	70-130			20	
Chlorobenzene	9.99		"	10.0		99.9	70-130			20	
Chloroethane	9.45		"	10.0		94.5	40-160			20	
Chloroform	10.0		"	10.0		100	70-130			20	
Chloromethane	8.42		"	10.0		84.2	40-160			20	
cis-1,2-Dichloroethylene	10.3		"	10.0		103	70-130			20	
cis-1,3-Dichloropropylene	10.2		"	10.0		102	70-130			20	
Cyclohexane	9.00		"	10.0		90.0	70-130			20	
Dibromochloromethane	11.4		"	10.0		114	70-130			20	
Dibromomethane	9.39		"	10.0		93.9	72-134			30	
Dichlorodifluoromethane	7.51		"	10.0		75.1	40-160			20	
Ethyl Benzene	10.1		"	10.0		101	70-130			20	
Hexachlorobutadiene	7.91		"	10.0		79.1	67-146			30	
Isopropylbenzene	9.52		"	10.0		95.2	70-130			20	
Methyl acetate	9.89		"	10.0		98.9	70-130			20	
Methyl tert-butyl ether (MTBE)	10.6		"	10.0		106	70-130			20	
Methylcyclohexane	8.13		"	10.0		81.3	70-130			20	
Methylene chloride	10.5		"	10.0		105	70-130			20	
n-Butylbenzene	9.23		"	10.0		92.3	79-132			30	
n-Propylbenzene	9.64		"	10.0		96.4	78-133			30	
o-Xylene	9.92		"	10.0		99.2	70-130			20	
p- & m- Xylenes	20.1		"	20.0		101	70-130			20	
p-Isopropyltoluene	9.78		"	10.0		97.8	81-136			30	
sec-Butylbenzene	9.66		"	10.0		96.6	79-137			30	
Styrene	9.70		"	10.0		97.0	70-130			20	
tert-Butyl alcohol (TBA)	40.1		"	50.0		80.2	25-162			30	
tert-Butylbenzene	9.26		"	10.0		92.6	77-138			30	
Tetrachloroethylene	7.65		"	10.0		76.5	70-130			20	
Toluene	9.74		"	10.0		97.4	70-130			20	
trans-1,2-Dichloroethylene	9.69		"	10.0		96.9	70-130			20	
trans-1,3-Dichloropropylene	10.1		"	10.0		101	70-130			20	
Trichloroethylene	8.76		"	10.0		87.6	70-130			20	
Trichlorofluoromethane	8.63		"	10.0		86.3	40-160			20	
Vinyl Chloride	8.61		"	10.0		86.1	70-130			20	
Surrogate: 1,2-Dichloroethane-d4	10.2		"	10.0		102	70-130				
Surrogate: Toluene-d8	9.59		"	10.0		95.9	70-130				



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 BE80978 - EPA 5030B											
LCS (BE80978-BS1)						Prepared & Analyzed: 05/18/2018					
Surrogate: <i>p</i> -Bromofluorobenzene	9.84		ug/L	10.0		98.4	70-130				
LCS Dup (BE80978-BS1)						Prepared & Analyzed: 05/18/2018					
1,1,1,2-Tetrachloroethane	12.4		ug/L	10.0		124	82-126		5.04	30	
1,1,1-Trichloroethane	11.6		"	10.0		116	70-130		13.5	20	
1,1,2,2-Tetrachloroethane	10.6		"	10.0		106	70-130		1.33	20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.14		"	10.0		91.4	70-130		22.8	20	Non-dir.
1,1,2-Trichloroethane	9.64		"	10.0		96.4	70-130		1.46	20	
1,1-Dichloroethane	11.0		"	10.0		110	70-130		6.85	20	
1,1-Dichloroethylene	10.3		"	10.0		103	70-130		17.1	20	
1,1-Dichloropropylene	11.0		"	10.0		110	83-133		13.9	30	
1,2,3-Trichlorobenzene	10.4		"	10.0		104	70-130		4.83	20	
1,2,3-Trichloropropane	9.97		"	10.0		99.7	77-128		2.13	30	
1,2,4-Trichlorobenzene	10.4		"	10.0		104	70-130		5.46	20	
1,2,4-Trimethylbenzene	10.9		"	10.0		109	82-132		10.3	20	
1,2-Dibromo-3-chloropropane	10.5		"	10.0		105	40-160		4.16	20	
1,2-Dibromoethane	10.0		"	10.0		100	70-130		0.300	20	
1,2-Dichlorobenzene	10.3		"	10.0		103	70-130		4.87	20	
1,2-Dichloroethane	10.4		"	10.0		104	70-130		0.768	20	
1,2-Dichloropropane	9.83		"	10.0		98.3	70-130		5.33	20	
1,3,5-Trimethylbenzene	10.8		"	10.0		108	80-131		11.7	30	
1,3-Dichlorobenzene	10.9		"	10.0		109	70-130		7.03	20	
1,3-Dichloropropane	9.87		"	10.0		98.7	81-125		2.15	30	
1,4-Dichlorobenzene	10.1		"	10.0		101	70-130		5.83	20	
1,4-Dioxane	119		"	210		56.8	40-160		24.1	20	Non-dir.
2,2-Dichloropropane	11.9		"	10.0		119	56-150		11.3	30	
2-Butanone	9.68		"	10.0		96.8	40-160		2.09	20	
2-Chlorotoluene	10.9		"	10.0		109	79-130		10.0	30	
2-Hexanone	8.89		"	10.0		88.9	40-160		3.32	20	
4-Chlorotoluene	10.2		"	10.0		102	79-128		8.55	30	
4-Methyl-2-pentanone	9.16		"	10.0		91.6	40-160		1.65	20	
Acetone	7.86		"	10.0		78.6	40-160		4.69	20	
Acrolein	6.87		"	10.0		68.7	10-153		9.29	30	
Acrylonitrile	9.73		"	10.0		97.3	51-150		1.43	30	
Benzene	11.1		"	10.0		111	70-130		6.51	20	
Bromobenzene	10.0		"	10.0		100	78-129		5.54	30	
Bromochloromethane	10.8		"	10.0		108	70-130		0.279	20	
Bromodichloromethane	10.4		"	10.0		104	70-130		5.05	20	
Bromoform	12.1		"	10.0		121	70-130		1.66	20	
Bromomethane	9.16		"	10.0		91.6	40-160		11.5	20	
Carbon disulfide	11.8		"	10.0		118	40-160		13.8	20	
Carbon tetrachloride	13.0		"	10.0		130	70-130		17.1	20	
Chlorobenzene	10.7		"	10.0		107	70-130		6.96	20	
Chloroethane	10.4		"	10.0		104	40-160		9.86	20	
Chloroform	10.5		"	10.0		105	70-130		4.66	20	
Chloromethane	9.17		"	10.0		91.7	40-160		8.53	20	
cis-1,2-Dichloroethylene	10.9		"	10.0		109	70-130		5.66	20	
cis-1,3-Dichloropropylene	10.6		"	10.0		106	70-130		3.94	20	
Cyclohexane	10.8		"	10.0		108	70-130		18.6	20	
Dibromochloromethane	11.8		"	10.0		118	70-130		4.05	20	
Dibromomethane	9.60		"	10.0		96.0	72-134		2.21	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 BE80978 - EPA 5030B											
LCS Dup (BE80978-BSD1)						Prepared & Analyzed: 05/18/2018					
Dichlorodifluoromethane	9.13		ug/L	10.0		91.3	40-160		19.5	20	
Ethyl Benzene	11.2		"	10.0		112	70-130		10.3	20	
Hexachlorobutadiene	9.35		"	10.0		93.5	67-146		16.7	30	
Isopropylbenzene	11.0		"	10.0		110	70-130		14.2	20	
Methyl acetate	10.2		"	10.0		102	70-130		2.79	20	
Methyl tert-butyl ether (MTBE)	10.6		"	10.0		106	70-130		0.188	20	
Methylcyclohexane	10.0		"	10.0		100	70-130		20.6	20	Non-dir.
Methylene chloride	10.6		"	10.0		106	70-130		0.379	20	
n-Butylbenzene	10.7		"	10.0		107	79-132		14.4	30	
n-Propylbenzene	11.1		"	10.0		111	78-133		13.8	30	
o-Xylene	10.8		"	10.0		108	70-130		8.03	20	
p- & m- Xylenes	22.2		"	20.0		111	70-130		9.88	20	
p-Isopropyltoluene	11.3		"	10.0		113	81-136		14.5	30	
sec-Butylbenzene	11.3		"	10.0		113	79-137		15.9	30	
Styrene	10.3		"	10.0		103	70-130		6.00	20	
tert-Butyl alcohol (TBA)	47.0		"	50.0		94.1	25-162		15.9	30	
tert-Butylbenzene	10.7		"	10.0		107	77-138		14.5	30	
Tetrachloroethylene	8.91		"	10.0		89.1	70-130		15.2	20	
Toluene	10.8		"	10.0		108	70-130		10.0	20	
trans-1,2-Dichloroethylene	10.6		"	10.0		106	70-130		9.35	20	
trans-1,3-Dichloropropylene	10.4		"	10.0		104	70-130		2.74	20	
Trichloroethylene	9.96		"	10.0		99.6	70-130		12.8	20	
Trichlorofluoromethane	10.4		"	10.0		104	40-160		18.4	20	
Vinyl Chloride	10.1		"	10.0		101	70-130		15.9	20	
Surrogate: 1,2-Dichloroethane-d4	9.74		"	10.0		97.4	70-130				
Surrogate: Toluene-d8	9.76		"	10.0		97.6	70-130				
Surrogate: p-Bromofluorobenzene	9.97		"	10.0		99.7	70-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

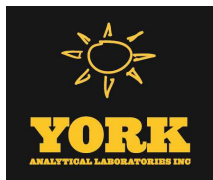
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE81050 - EPA 5030B

Blank (BE81050-BLK1)

Prepared & Analyzed: 05/21/2018

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	"
1,1-Dichloropropylene	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	"
2,2-Dichloropropane	ND	0.500	"
2-Butanone	ND	0.500	"
2-Chlorotoluene	ND	0.500	"
2-Hexanone	ND	0.500	"
4-Chlorotoluene	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	"
Bromobenzene	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	"
Ethyl Benzene	ND	0.500	"
Hexachlorobutadiene	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
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Batch BE81050 - EPA 5030B

Blank (BE81050-BLK1)

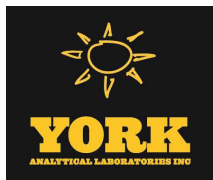
Prepared & Analyzed: 05/21/2018

Isopropylbenzene	ND	0.500	ug/L								
Methyl acetate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylcyclohexane	ND	0.500	"								
Methylene chloride	1.10	2.00	"								
n-Butylbenzene	ND	0.500	"								
n-Propylbenzene	ND	0.500	"								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Butyl alcohol (TBA)	ND	2.00	"								
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	10.3		"	10.0		103	70-130				
Surrogate: Toluene-d8	9.65		"	10.0		96.5	70-130				
Surrogate: p-Bromofluorobenzene	10.2		"	10.0		102	70-130				

LCS (BE81050-BS1)

Prepared & Analyzed: 05/21/2018

1,1,1,2-Tetrachloroethane	12.3		ug/L	10.0		123	82-126			30	
1,1,1-Trichloroethane	11.2		"	10.0		112	70-130			20	
1,1,2,2-Tetrachloroethane	10.4		"	10.0		104	70-130			20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	7.76		"	10.0		77.6	70-130			20	
1,1,2-Trichloroethane	9.59		"	10.0		95.9	70-130			20	
1,1-Dichloroethane	10.7		"	10.0		107	70-130			20	
1,1-Dichloroethylene	8.71		"	10.0		87.1	70-130			20	
1,1-Dichloropropylene	10.6		"	10.0		106	83-133			30	
1,2,3-Trichlorobenzene	9.68		"	10.0		96.8	70-130			20	
1,2,3-Trichloropropane	9.70		"	10.0		97.0	77-128			30	
1,2,4-Trichlorobenzene	9.65		"	10.0		96.5	70-130			20	
1,2,4-Trimethylbenzene	10.1		"	10.0		101	82-132			20	
1,2-Dibromo-3-chloropropane	10.5		"	10.0		105	40-160			20	
1,2-Dibromoethane	10.0		"	10.0		100	70-130			20	
1,2-Dichlorobenzene	9.82		"	10.0		98.2	70-130			20	
1,2-Dichloroethane	10.5		"	10.0		105	70-130			20	
1,2-Dichloropropane	9.65		"	10.0		96.5	70-130			20	
1,3,5-Trimethylbenzene	9.93		"	10.0		99.3	80-131			30	
1,3-Dichlorobenzene	10.3		"	10.0		103	70-130			20	
1,3-Dichloropropane	9.81		"	10.0		98.1	81-125			30	
1,4-Dichlorobenzene	9.55		"	10.0		95.5	70-130			20	
1,4-Dioxane	101		"	210		48.1	40-160			20	
2,2-Dichloropropane	11.4		"	10.0		114	56-150			30	
2-Butanone	9.61		"	10.0		96.1	40-160			20	



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 BE81050 - EPA 5030B											
LCS (BE81050-BS1)						Prepared & Analyzed: 05/21/2018					
2-Chlorotoluene	10.1		ug/L	10.0		101	79-130			30	
2-Hexanone	8.76		"	10.0		87.6	40-160			20	
4-Chlorotoluene	9.50		"	10.0		95.0	79-128			30	
4-Methyl-2-pentanone	9.02		"	10.0		90.2	40-160			20	
Acetone	7.09		"	10.0		70.9	40-160			20	
Acrolein	5.94		"	10.0		59.4	10-153			30	
Acrylonitrile	9.95		"	10.0		99.5	51-150			30	
Benzene	10.8		"	10.0		108	70-130			20	
Bromobenzene	9.46		"	10.0		94.6	78-129			30	
Bromochloromethane	10.9		"	10.0		109	70-130			20	
Bromodichloromethane	10.1		"	10.0		101	70-130			20	
Bromoform	12.7		"	10.0		127	70-130			20	
Bromomethane	5.87		"	10.0		58.7	40-160			20	
Carbon disulfide	10.9		"	10.0		109	40-160			20	
Carbon tetrachloride	12.6		"	10.0		126	70-130			20	
Chlorobenzene	10.3		"	10.0		103	70-130			20	
Chloroethane	9.47		"	10.0		94.7	40-160			20	
Chloroform	10.3		"	10.0		103	70-130			20	
Chloromethane	7.21		"	10.0		72.1	40-160			20	
cis-1,2-Dichloroethylene	10.6		"	10.0		106	70-130			20	
cis-1,3-Dichloropropylene	10.6		"	10.0		106	70-130			20	
Cyclohexane	10.2		"	10.0		102	70-130			20	
Dibromochloromethane	11.9		"	10.0		119	70-130			20	
Dibromomethane	9.56		"	10.0		95.6	72-134			30	
Dichlorodifluoromethane	6.01		"	10.0		60.1	40-160			20	
Ethyl Benzene	10.7		"	10.0		107	70-130			20	
Hexachlorobutadiene	7.79		"	10.0		77.9	67-146			30	
Isopropylbenzene	10.1		"	10.0		101	70-130			20	
Methyl acetate	10.1		"	10.0		101	70-130			20	
Methyl tert-butyl ether (MTBE)	10.6		"	10.0		106	70-130			20	
Methylcyclohexane	9.15		"	10.0		91.5	70-130			20	
Methylene chloride	10.9		"	10.0		109	70-130			20	
n-Butylbenzene	9.69		"	10.0		96.9	79-132			30	
n-Propylbenzene	10.2		"	10.0		102	78-133			30	
o-Xylene	10.2		"	10.0		102	70-130			20	
p- & m- Xylenes	21.2		"	20.0		106	70-130			20	
p-Isopropyltoluene	10.4		"	10.0		104	81-136			30	
sec-Butylbenzene	10.4		"	10.0		104	79-137			30	
Styrene	9.96		"	10.0		99.6	70-130			20	
tert-Butyl alcohol (TBA)	44.7		"	50.0		89.5	25-162			30	
tert-Butylbenzene	9.83		"	10.0		98.3	77-138			30	
Tetrachloroethylene	8.49		"	10.0		84.9	70-130			20	
Toluene	10.3		"	10.0		103	70-130			20	
trans-1,2-Dichloroethylene	10.2		"	10.0		102	70-130			20	
trans-1,3-Dichloropropylene	10.6		"	10.0		106	70-130			20	
Trichloroethylene	9.46		"	10.0		94.6	70-130			20	
Trichlorofluoromethane	9.51		"	10.0		95.1	40-160			20	
Vinyl Chloride	8.51		"	10.0		85.1	70-130			20	
Surrogate: 1,2-Dichloroethane-d4	10.1		"	10.0		101	70-130				
Surrogate: Toluene-d8	9.59		"	10.0		95.9	70-130				
Surrogate: p-Bromofluorobenzene	9.73		"	10.0		97.3	70-130				



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 BE81050 - EPA 5030B											
LCS (BE81050-BS1)						Prepared & Analyzed: 05/21/2018					
LCS Dup (BE81050-BSD1)						Prepared & Analyzed: 05/21/2018					
1,1,1,2-Tetrachloroethane	12.4		ug/L	10.0		124	82-126		0.405	30	
1,1,1-Trichloroethane	10.8		"	10.0		108	70-130		4.00	20	
1,1,2,2-Tetrachloroethane	10.7		"	10.0		107	70-130		2.65	20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	7.13		"	10.0		71.3	70-130		8.46	20	
1,1,2-Trichloroethane	9.88		"	10.0		98.8	70-130		2.98	20	
1,1-Dichloroethane	10.8		"	10.0		108	70-130		0.0931	20	
1,1-Dichloroethylene	7.05		"	10.0		70.5	70-130		21.1	20	Non-dir.
1,1-Dichloropropylene	10.2		"	10.0		102	83-133		3.57	30	
1,2,3-Trichlorobenzene	9.68		"	10.0		96.8	70-130		0.00	20	
1,2,3-Trichloropropane	9.91		"	10.0		99.1	77-128		2.14	30	
1,2,4-Trichlorobenzene	9.66		"	10.0		96.6	70-130		0.104	20	
1,2,4-Trimethylbenzene	9.91		"	10.0		99.1	82-132		1.80	20	
1,2-Dibromo-3-chloropropane	10.8		"	10.0		108	40-160		2.91	20	
1,2-Dibromoethane	10.3		"	10.0		103	70-130		2.57	20	
1,2-Dichlorobenzene	9.82		"	10.0		98.2	70-130		0.00	20	
1,2-Dichloroethane	10.8		"	10.0		108	70-130		2.25	20	
1,2-Dichloropropane	9.62		"	10.0		96.2	70-130		0.311	20	
1,3,5-Trimethylbenzene	9.64		"	10.0		96.4	80-131		2.96	30	
1,3-Dichlorobenzene	10.1		"	10.0		101	70-130		1.87	20	
1,3-Dichloropropane	10.1		"	10.0		101	81-125		2.71	30	
1,4-Dichlorobenzene	9.56		"	10.0		95.6	70-130		0.105	20	
1,4-Dioxane	117		"	210		55.6	40-160		14.4	20	
2,2-Dichloropropane	10.9		"	10.0		109	56-150		4.58	30	
2-Butanone	9.91		"	10.0		99.1	40-160		3.07	20	
2-Chlorotoluene	9.84		"	10.0		98.4	79-130		2.61	30	
2-Hexanone	9.22		"	10.0		92.2	40-160		5.12	20	
4-Chlorotoluene	9.30		"	10.0		93.0	79-128		2.13	30	
4-Methyl-2-pentanone	9.57		"	10.0		95.7	40-160		5.92	20	
Acetone	7.56		"	10.0		75.6	40-160		6.42	20	
Acrolein	5.85		"	10.0		58.5	10-153		1.53	30	
Acrylonitrile	10.1		"	10.0		101	51-150		1.30	30	
Benzene	10.8		"	10.0		108	70-130		0.462	20	
Bromobenzene	9.38		"	10.0		93.8	78-129		0.849	30	
Bromochloromethane	11.1		"	10.0		111	70-130		1.64	20	
Bromodichloromethane	10.3		"	10.0		103	70-130		1.57	20	
Bromoform	13.0		"	10.0		130	70-130		2.88	20	
Bromomethane	5.99		"	10.0		59.9	40-160		2.02	20	
Carbon disulfide	10.4		"	10.0		104	40-160		4.31	20	
Carbon tetrachloride	12.1		"	10.0		121	70-130		3.90	20	
Chlorobenzene	10.3		"	10.0		103	70-130		0.388	20	
Chloroethane	9.15		"	10.0		91.5	40-160		3.44	20	
Chloroform	10.4		"	10.0		104	70-130		0.675	20	
Chloromethane	7.02		"	10.0		70.2	40-160		2.67	20	
cis-1,2-Dichloroethylene	10.6		"	10.0		106	70-130		0.189	20	
cis-1,3-Dichloropropylene	10.6		"	10.0		106	70-130		0.189	20	
Cyclohexane	9.66		"	10.0		96.6	70-130		5.14	20	
Dibromochloromethane	12.1		"	10.0		121	70-130		1.83	20	
Dibromomethane	9.76		"	10.0		97.6	72-134		2.07	30	
Dichlorodifluoromethane	5.66		"	10.0		56.6	40-160		6.00	20	



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 BE81050 - EPA 5030B											
LCS Dup (BE81050-BSD1)						Prepared & Analyzed: 05/21/2018					
Ethyl Benzene	10.6		ug/L	10.0		106	70-130		1.51	20	
Hexachlorobutadiene	7.54		"	10.0		75.4	67-146		3.26	30	
Isopropylbenzene	9.74		"	10.0		97.4	70-130		3.83	20	
Methyl acetate	10.8		"	10.0		108	70-130		6.61	20	
Methyl tert-butyl ether (MTBE)	11.2		"	10.0		112	70-130		5.42	20	
Methylcyclohexane	8.64		"	10.0		86.4	70-130		5.73	20	
Methylene chloride	11.0		"	10.0		110	70-130		0.183	20	
n-Butylbenzene	9.33		"	10.0		93.3	79-132		3.79	30	
n-Propylbenzene	9.87		"	10.0		98.7	78-133		3.78	30	
o-Xylene	10.2		"	10.0		102	70-130		0.0977	20	
p- & m- Xylenes	20.8		"	20.0		104	70-130		1.48	20	
p-Isopropyltoluene	9.98		"	10.0		99.8	81-136		3.93	30	
sec-Butylbenzene	9.94		"	10.0		99.4	79-137		4.43	30	
Styrene	9.98		"	10.0		99.8	70-130		0.201	20	
tert-Butyl alcohol (TBA)	50.2		"	50.0		100	25-162		11.6	30	
tert-Butylbenzene	9.44		"	10.0		94.4	77-138		4.05	30	
Tetrachloroethylene	8.08		"	10.0		80.8	70-130		4.95	20	
Toluene	10.2		"	10.0		102	70-130		1.37	20	
trans-1,2-Dichloroethylene	9.97		"	10.0		99.7	70-130		2.38	20	
trans-1,3-Dichloropropylene	10.8		"	10.0		108	70-130		2.43	20	
Trichloroethylene	9.20		"	10.0		92.0	70-130		2.79	20	
Trichlorofluoromethane	8.93		"	10.0		89.3	40-160		6.29	20	
Vinyl Chloride	7.98		"	10.0		79.8	70-130		6.43	20	
Surrogate: 1,2-Dichloroethane-d4	10.3		"	10.0		103	70-130				
Surrogate: Toluene-d8	9.52		"	10.0		95.2	70-130				
Surrogate: p-Bromofluorobenzene	9.69		"	10.0		96.9	70-130				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE80831 - EPA 3510C

Blank (BE80831-BLK1)

Prepared & Analyzed: 05/16/2018

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	"
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	"
N-nitroso-di-n-propylamine	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
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Batch BE80831 - EPA 3510C

Blank (BE80831-BLK1)

Prepared & Analyzed: 05/16/2018

N-Nitrosodiphenylamine	ND	5.00	ug/L								
Phenol	ND	5.00	"								
Pyridine	ND	5.00	"								
Surrogate: 2-Fluorophenol	13.8		"	38.6		35.8	19.7-63.1				
Surrogate: Phenol-d5	8.41		"	38.1		22.1	10.1-41.7				
Surrogate: Nitrobenzene-d5	22.4		"	25.0		89.4	50.2-113				
Surrogate: 2-Fluorobiphenyl	19.9		"	24.9		80.0	39.9-105				
Surrogate: 2,4,6-Tribromophenol	42.9		"	39.2		109	39.3-151				
Surrogate: Terphenyl-d14	24.3		"	25.1		96.9	30.7-106				

Blank (BE80831-BLK2)

Prepared & Analyzed: 05/16/2018

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 BE80831 - EPA 3510C											
LCS (BE80831-BS1)						Prepared & Analyzed: 05/16/2018					
1,1-Biphenyl	21.8	5.00	ug/L	25.0		87.3	33-95				
1,2,4,5-Tetrachlorobenzene	22.7	5.00	"	25.0		90.8	26-120				
1,2,4-Trichlorobenzene	23.8	5.00	"	25.0		95.1	20-118				
1,2-Dichlorobenzene	20.4	5.00	"	25.0		81.4	29-111				
1,2-Diphenylhydrazine (as Azobenzene)	4.43	5.00	"	25.0		17.7	16-141				
1,3-Dichlorobenzene	20.1	5.00	"	25.0		80.4	23-117				
1,4-Dichlorobenzene	19.7	5.00	"	25.0		78.8	30-105				
2,3,4,6-Tetrachlorophenol	44.4	5.00	"	25.0		178	30-130	High Bias			
2,4,5-Trichlorophenol	25.5	5.00	"	25.0		102	32-114				
2,4,6-Trichlorophenol	24.1	5.00	"	25.0		96.5	35-118				
2,4-Dichlorophenol	25.8	5.00	"	25.0		103	25-116				
2,4-Dimethylphenol	23.5	5.00	"	25.0		94.0	15-116				
2,4-Dinitrophenol	33.0	5.00	"	25.0		132	10-170				
2,4-Dinitrotoluene	38.2	5.00	"	25.0		153	41-128	High Bias			
2,6-Dinitrotoluene	36.9	5.00	"	25.0		148	45-116	High Bias			
2-Chloronaphthalene	21.6	5.00	"	25.0		86.2	33-112				
2-Chlorophenol	19.8	5.00	"	25.0		79.0	15-120				
2-Methylnaphthalene	25.5	5.00	"	25.0		102	24-118				
2-Methylphenol	17.6	5.00	"	25.0		70.6	10-110				
2-Nitroaniline	30.6	5.00	"	25.0		122	34-129				
2-Nitrophenol	30.7	5.00	"	25.0		123	28-118	High Bias			
3- & 4-Methylphenols	14.2	5.00	"	25.0		57.0	10-107				
3,3-Dichlorobenzidine	26.9	5.00	"	25.0		107	15-187				
3-Nitroaniline	24.6	5.00	"	25.0		98.4	24-134				
4,6-Dinitro-2-methylphenol	38.1	5.00	"	25.0		153	10-153				
4-Bromophenyl phenyl ether	25.0	5.00	"	25.0		100	34-120				
4-Chloro-3-methylphenol	23.4	5.00	"	25.0		93.4	20-120				
4-Chloroaniline	17.2	5.00	"	25.0		68.8	10-147				
4-Chlorophenyl phenyl ether	25.0	5.00	"	25.0		100	27-121				
4-Nitroaniline	27.1	5.00	"	25.0		108	13-134				
4-Nitrophenol	7.06	5.00	"	25.0		28.2	10-131				
Acetophenone	20.1	5.00	"	25.0		80.3	25-110				
Aniline	9.88	5.00	"	25.0		39.5	10-117				
Benzaldehyde	20.8	5.00	"	25.0		83.4	29-117				
Benzoic acid	7.52	50.0	"	25.4		29.6	30-130	Low Bias			
Benzyl alcohol	13.4	5.00	"	25.0		53.7	10-117				
Benzyl butyl phthalate	29.9	5.00	"	25.0		120	29-133				
Bis(2-chloroethoxy)methane	20.6	5.00	"	25.0		82.6	10-154				
Bis(2-chloroethyl)ether	19.0	5.00	"	25.0		75.8	17-125				
Bis(2-chloroisopropyl)ether	16.4	5.00	"	25.0		65.5	10-139				
Caprolactam	4.08	5.00	"	25.0		16.3	10-137				
Carbazole	23.0	5.00	"	25.0		92.1	42-126				
Dibenzofuran	22.6	5.00	"	25.0		90.4	36-113				
Diethyl phthalate	23.6	5.00	"	25.0		94.3	38-115				
Dimethyl phthalate	24.3	5.00	"	25.0		97.2	38-129				
Di-n-butyl phthalate	23.5	5.00	"	25.0		94.0	31-120				
Di-n-octyl phthalate	23.3	5.00	"	25.0		93.2	21-149				
Hexachlorocyclopentadiene	15.4	10.0	"	25.0		61.6	10-130				
Isophorone	21.4	5.00	"	25.0		85.8	25-127				
N-nitroso-di-n-propylamine	18.6	5.00	"	25.0		74.2	26-122				
N-Nitrosodiphenylamine	26.3	5.00	"	25.0		105	23-149				



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
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Batch BE80831 - EPA 3510C

LCS (BE80831-BS1)

Prepared & Analyzed: 05/16/2018

Phenol	7.77	5.00	ug/L	25.0		31.1	10-110				
Pyridine	5.46	5.00	"	35.0		15.6	10-90				
Surrogate: 2-Fluorophenol	16.0		"	38.6		41.5	19.7-63.1				
Surrogate: Phenol-d5	10.2		"	38.1		26.8	10.1-41.7				
Surrogate: Nitrobenzene-d5	23.0		"	25.0		91.9	50.2-113				
Surrogate: 2-Fluorobiphenyl	21.0		"	24.9		84.3	39.9-105				
Surrogate: 2,4,6-Tribromophenol	47.6		"	39.2		121	39.3-151				
Surrogate: Terphenyl-d14	23.7		"	25.1		94.3	30.7-106				

LCS (BE80831-BS2)

Prepared & Analyzed: 05/16/2018

Acenaphthene	0.660	0.0500	ug/L	1.00		66.0	25-116				
Acenaphthylene	0.850	0.0500	"	1.00		85.0	26-116				
Anthracene	0.790	0.0500	"	1.00		79.0	25-123				
Benzo(a)anthracene	0.820	0.0500	"	1.00		82.0	33-125				
Benzo(a)pyrene	0.810	0.0500	"	1.00		81.0	32-132				
Benzo(b)fluoranthene	0.750	0.0500	"	1.00		75.0	22-137				
Benzo(g,h,i)perylene	0.830	0.0500	"	1.00		83.0	10-138				
Benzo(k)fluoranthene	0.680	0.0500	"	1.00		68.0	20-137				
Bis(2-ethylhexyl)phthalate	0.710	0.500	"	1.00		71.0	10-189				
Chrysene	0.630	0.0500	"	1.00		63.0	32-124				
Dibenzo(a,h)anthracene	0.810	0.0500	"	1.00		81.0	16-133				
Fluoranthene	0.850	0.0500	"	1.00		85.0	32-121				
Fluorene	0.770	0.0500	"	1.00		77.0	28-118				
Hexachlorobenzene	0.730	0.0200	"	1.00		73.0	23-124				
Hexachlorobutadiene	0.460	0.500	"	1.00		46.0	15-123				
Hexachloroethane	0.460	0.500	"	1.00		46.0	18-115				
Indeno(1,2,3-cd)pyrene	0.810	0.0500	"	1.00		81.0	15-135				
Naphthalene	0.650	0.0500	"	1.00		65.0	18-120				
Nitrobenzene	0.790	0.250	"	1.00		79.0	21-121				
N-Nitrosodimethylamine	0.190	0.500	"	1.00		19.0	10-124				
Pentachlorophenol	1.29	0.250	"	1.00		129	10-156				
Phenanthrene	0.700	0.0500	"	1.00		70.0	24-127				
Pyrene	0.670	0.0500	"	1.00		67.0	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 BE80831 - EPA 3510C											
LCS Dup (BE80831-BSD1)						Prepared & Analyzed: 05/16/2018					
1,1-Biphenyl	21.0	5.00	ug/L	25.0		84.1	33-95		3.78	20	
1,2,4,5-Tetrachlorobenzene	21.6	5.00	"	25.0		86.4	26-120		4.97	20	
1,2,4-Trichlorobenzene	23.5	5.00	"	25.0		94.1	20-118		1.10	20	
1,2-Dichlorobenzene	19.7	5.00	"	25.0		78.6	29-111		3.50	20	
1,2-Diphenylhydrazine (as Azobenzene)	4.17	5.00	"	25.0		16.7	16-141		6.05	20	
1,3-Dichlorobenzene	19.1	5.00	"	25.0		76.5	23-117		5.00	20	
1,4-Dichlorobenzene	18.9	5.00	"	25.0		75.6	30-105		4.04	20	
2,3,4,6-Tetrachlorophenol	43.2	5.00	"	25.0		173	30-130	High Bias	2.86	20	
2,4,5-Trichlorophenol	24.3	5.00	"	25.0		97.0	32-114		5.06	20	
2,4,6-Trichlorophenol	23.2	5.00	"	25.0		92.7	35-118		4.02	20	
2,4-Dichlorophenol	25.0	5.00	"	25.0		100	25-116		3.07	20	
2,4-Dimethylphenol	22.9	5.00	"	25.0		91.6	15-116		2.54	20	
2,4-Dinitrophenol	32.5	5.00	"	25.0		130	10-170		1.50	20	
2,4-Dinitrotoluene	36.1	5.00	"	25.0		144	41-128	High Bias	5.73	20	
2,6-Dinitrotoluene	34.8	5.00	"	25.0		139	45-116	High Bias	5.89	20	
2-Chloronaphthalene	20.6	5.00	"	25.0		82.5	33-112		4.41	20	
2-Chlorophenol	18.6	5.00	"	25.0		74.6	15-120		5.83	20	
2-Methylnaphthalene	24.6	5.00	"	25.0		98.4	24-118		3.56	20	
2-Methylphenol	16.7	5.00	"	25.0		66.8	10-110		5.53	20	
2-Nitroaniline	28.2	5.00	"	25.0		113	34-129		7.92	20	
2-Nitrophenol	29.3	5.00	"	25.0		117	28-118		4.73	20	
3- & 4-Methylphenols	13.5	5.00	"	25.0		54.0	10-107		5.41	20	
3,3-Dichlorobenzidine	26.3	5.00	"	25.0		105	15-187		2.26	20	
3-Nitroaniline	23.6	5.00	"	25.0		94.5	24-134		3.98	20	
4,6-Dinitro-2-methylphenol	37.0	5.00	"	25.0		148	10-153		3.09	20	
4-Bromophenyl phenyl ether	24.1	5.00	"	25.0		96.6	34-120		3.70	20	
4-Chloro-3-methylphenol	22.1	5.00	"	25.0		88.3	20-120		5.68	20	
4-Chloroaniline	16.6	5.00	"	25.0		66.3	10-147		3.61	20	
4-Chlorophenyl phenyl ether	23.8	5.00	"	25.0		95.2	27-121		5.00	20	
4-Nitroaniline	25.8	5.00	"	25.0		103	13-134		4.76	20	
4-Nitrophenol	7.41	5.00	"	25.0		29.6	10-131		4.84	20	
Acetophenone	18.9	5.00	"	25.0		75.6	25-110		5.95	20	
Aniline	10.0	5.00	"	25.0		40.2	10-117		1.61	20	
Benzaldehyde	19.4	5.00	"	25.0		77.6	29-117		7.26	20	
Benzoic acid	8.41	50.0	"	25.4		33.1	30-130		11.2	20	
Benzyl alcohol	12.3	5.00	"	25.0		49.1	10-117		8.87	20	
Benzyl butyl phthalate	27.6	5.00	"	25.0		111	29-133		7.92	20	
Bis(2-chloroethoxy)methane	20.2	5.00	"	25.0		80.8	10-154		2.20	20	
Bis(2-chloroethyl)ether	20.5	5.00	"	25.0		82.0	17-125		7.85	20	
Bis(2-chloroisopropyl)ether	15.6	5.00	"	25.0		62.6	10-139		4.62	20	
Caprolactam	3.88	5.00	"	25.0		15.5	10-137		5.03	20	
Carbazole	21.5	5.00	"	25.0		86.0	42-126		6.78	20	
Dibenzofuran	21.4	5.00	"	25.0		85.7	36-113		5.41	20	
Diethyl phthalate	22.1	5.00	"	25.0		88.5	38-115		6.34	20	
Dimethyl phthalate	22.6	5.00	"	25.0		90.2	38-129		7.51	20	
Di-n-butyl phthalate	22.1	5.00	"	25.0		88.3	31-120		6.23	20	
Di-n-octyl phthalate	21.4	5.00	"	25.0		85.6	21-149		8.55	20	
Hexachlorocyclopentadiene	15.2	10.0	"	25.0		60.8	10-130		1.37	20	
Isophorone	20.4	5.00	"	25.0		81.5	25-127		5.12	20	
N-nitroso-di-n-propylamine	17.8	5.00	"	25.0		71.1	26-122		4.35	20	
N-Nitrosodiphenylamine	24.8	5.00	"	25.0		99.2	23-149		5.68	20	



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

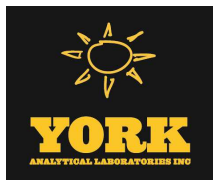
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE80831 - EPA 3510C

LCS Dup (BE80831-BSD1)

Prepared & Analyzed: 05/16/2018

Phenol	7.36	5.00	ug/L	25.0		29.4	10-110		5.42	20
Pyridine	5.34	5.00	"	35.0		15.3	10-90		2.22	20
Surrogate: 2-Fluorophenol	15.1		"	38.6		39.1	19.7-63.1			
Surrogate: Phenol-d5	9.57		"	38.1		25.1	10.1-41.7			
Surrogate: Nitrobenzene-d5	22.6		"	25.0		90.4	50.2-113			
Surrogate: 2-Fluorobiphenyl	20.2		"	24.9		80.9	39.9-105			
Surrogate: 2,4,6-Tribromophenol	45.6		"	39.2		116	39.3-151			
Surrogate: Terphenyl-d14	22.2		"	25.1		88.5	30.7-106			



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE80760 - EPA SW846-3510C Low Level

Blank (BE80760-BLK1)

Prepared & Analyzed: 05/15/2018

4,4'-DDD	ND	0.00400	ug/L								
4,4'-DDE	ND	0.00400	"								
4,4'-DDT	ND	0.00400	"								
Aldrin	ND	0.00400	"								
alpha-BHC	ND	0.00400	"								
alpha-Chlordane	ND	0.00400	"								
beta-BHC	ND	0.00400	"								
Chlordane, total	ND	0.0200	"								
delta-BHC	ND	0.00400	"								
Dieldrin	ND	0.00200	"								
Endosulfan I	ND	0.00400	"								
Endosulfan II	ND	0.00400	"								
Endosulfan sulfate	ND	0.00400	"								
Endrin	ND	0.00400	"								
Endrin aldehyde	ND	0.0100	"								
Endrin ketone	ND	0.0100	"								
gamma-BHC (Lindane)	ND	0.00400	"								
gamma-Chlordane	ND	0.0100	"								
Heptachlor	ND	0.00400	"								
Heptachlor epoxide	ND	0.00400	"								
Methoxychlor	ND	0.00400	"								
Toxaphene	ND	0.100	"								
Surrogate: Decachlorobiphenyl	0.193		"	0.209		92.2	30-150				
Surrogate: Tetrachloro-m-xylene	0.187		"	0.202		92.5	30-150				

LCS (BE80760-BS1)

Prepared & Analyzed: 05/15/2018

4,4'-DDD	0.0969	0.00400	ug/L	0.100		96.9	40-140				
4,4'-DDE	0.0963	0.00400	"	0.100		96.3	40-140				
4,4'-DDT	0.0906	0.00400	"	0.100		90.6	40-140				
Aldrin	0.0930	0.00400	"	0.100		93.0	40-140				
alpha-BHC	0.0953	0.00400	"	0.100		95.3	40-140				
alpha-Chlordane	0.0856	0.00400	"	0.100		85.6	40-140				
beta-BHC	0.103	0.00400	"	0.100		103	40-140				
delta-BHC	0.104	0.00400	"	0.100		104	40-140				
Dieldrin	0.0919	0.00200	"	0.100		91.9	40-140				
Endosulfan I	0.0917	0.00400	"	0.100		91.7	40-140				
Endosulfan II	0.0903	0.00400	"	0.100		90.3	40-140				
Endosulfan sulfate	0.0936	0.00400	"	0.100		93.6	40-140				
Endrin	0.0883	0.00400	"	0.100		88.3	40-140				
Endrin aldehyde	0.0938	0.0100	"	0.100		93.8	40-140				
Endrin ketone	0.0966	0.0100	"	0.100		96.6	40-140				
gamma-BHC (Lindane)	0.0936	0.00400	"	0.100		93.6	40-140				
gamma-Chlordane	0.0830	0.0100	"	0.100		83.0	40-140				
Heptachlor	0.0810	0.00400	"	0.100		81.0	40-140				
Heptachlor epoxide	0.0838	0.00400	"	0.100		83.8	40-140				
Methoxychlor	0.0820	0.00400	"	0.100		82.0	40-140				
Surrogate: Decachlorobiphenyl	0.177		"	0.209		84.8	30-150				
Surrogate: Tetrachloro-m-xylene	0.177		"	0.202		87.6	30-150				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE80760 - EPA SW846-3510C Low Level

LCS Dup (BE80760-BSD1)

Prepared & Analyzed: 05/15/2018

4,4'-DDD	0.118	0.00400	ug/L	0.100		118	40-140		19.7	20	
4,4'-DDE	0.109	0.00400	"	0.100		109	40-140		12.3	20	
4,4'-DDT	0.107	0.00400	"	0.100		107	40-140		16.9	20	
Aldrin	0.108	0.00400	"	0.100		108	40-140		14.5	20	
alpha-BHC	0.107	0.00400	"	0.100		107	40-140		11.4	20	
alpha-Chlordane	0.103	0.00400	"	0.100		103	40-140		18.9	20	
beta-BHC	0.115	0.00400	"	0.100		115	40-140		11.2	20	
delta-BHC	0.119	0.00400	"	0.100		119	40-140		13.0	20	
Dieldrin	0.109	0.00200	"	0.100		109	40-140		16.7	20	
Endosulfan I	0.103	0.00400	"	0.100		103	40-140		12.1	20	
Endosulfan II	0.110	0.00400	"	0.100		110	40-140		19.7	20	
Endosulfan sulfate	0.112	0.00400	"	0.100		112	40-140		17.6	20	
Endrin	0.107	0.00400	"	0.100		107	40-140		19.4	20	
Endrin aldehyde	0.112	0.0100	"	0.100		112	40-140		18.0	20	
Endrin ketone	0.115	0.0100	"	0.100		115	40-140		17.4	20	
gamma-BHC (Lindane)	0.107	0.00400	"	0.100		107	40-140		13.0	20	
gamma-Chlordane	0.101	0.0100	"	0.100		101	40-140		19.5	20	
Heptachlor	0.0954	0.00400	"	0.100		95.4	40-140		16.3	20	
Heptachlor epoxide	0.0997	0.00400	"	0.100		99.7	40-140		17.3	20	
Methoxychlor	0.0974	0.00400	"	0.100		97.4	40-140		17.1	20	
Surrogate: Decachlorobiphenyl	0.226		"	0.209		108	30-150				
Surrogate: Tetrachloro-m-xylene	0.193		"	0.202		95.5	30-150				

Batch Y8E0321 - BE80076

Performance Mix (Y8E0321-PEM1)

Prepared & Analyzed: 05/03/2018

4,4'-DDD	0.00		ng/mL	0.00			0-200				
4,4'-DDE	0.946		"	0.00			0-200				
4,4'-DDT	214		"	200		107	0-200				
Endrin	124		"	100		124	0-200				
Endrin aldehyde	1.48		"	0.00			0-200				
Endrin ketone	3.92		"	0.00			0-200				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch Y8E1603 - BE80295

Performance Mix (Y8E1603-PEM1)

Prepared & Analyzed: 05/15/2018

4,4'-DDD	0.00		ng/mL	0.00			0-200			
4,4'-DDE	1.71		"	0.00			0-200			
4,4'-DDT	191		"	200		95.7	0-200			
Endrin	122		"	100		122	0-200			
Endrin aldehyde	1.17		"	0.00			0-200			
Endrin ketone	6.97		"	0.00			0-200			

Performance Mix (Y8E1603-PEM2)

Prepared & Analyzed: 05/15/2018

4,4'-DDD	0.00		ng/mL	0.00			0-200			
4,4'-DDE	1.98		"	0.00			0-200			
4,4'-DDT	232		"	200		116	0-200			
Endrin	137		"	100		137	0-200			
Endrin aldehyde	1.40		"	0.00			0-200			
Endrin ketone	6.84		"	0.00			0-200			

Batch Y8E1701 - BE80295

Performance Mix (Y8E1701-PEM1)

Prepared & Analyzed: 05/16/2018

4,4'-DDD	0.00		ng/mL	0.00			0-200			
4,4'-DDE	1.01		"	0.00			0-200			
4,4'-DDT	189		"	200		94.6	0-200			
Endrin	115		"	100		115	0-200			
Endrin aldehyde	1.37		"	0.00			0-200			
Endrin ketone	5.73		"	0.00			0-200			

Performance Mix (Y8E1701-PEM2)

Prepared & Analyzed: 05/16/2018

4,4'-DDD	0.00		ng/mL	0.00			0-200			
4,4'-DDE	1.08		"	0.00			0-200			
4,4'-DDT	215		"	200		108	0-200			
Endrin	124		"	100		124	0-200			
Endrin aldehyde	1.08		"	0.00			0-200			
Endrin ketone	6.17		"	0.00			0-200			



Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE80760 - EPA SW846-3510C Low Level											
Blank (BE80760-BLK2)						Prepared & Analyzed: 05/15/2018					
Aroclor 1016	ND	0.0500	ug/L								
Aroclor 1221	ND	0.0500	"								
Aroclor 1232	ND	0.0500	"								
Aroclor 1242	ND	0.0500	"								
Aroclor 1248	ND	0.0500	"								
Aroclor 1254	ND	0.0500	"								
Aroclor 1260	ND	0.0500	"								
Total PCBs	ND	0.0500	"								
Surrogate: Tetrachloro-m-xylene	0.195		"	0.202		96.5	30-150				
Surrogate: Decachlorobiphenyl	0.160		"	0.209		76.6	30-150				
LCS (BE80760-BS2)						Prepared & Analyzed: 05/15/2018					
Aroclor 1016	1.07	0.0500	ug/L	1.00		107	40-120			20	
Aroclor 1260	0.916	0.0500	"	1.00		91.6	40-120			20	
Surrogate: Tetrachloro-m-xylene	0.189		"	0.202		93.6	30-150				
Surrogate: Decachlorobiphenyl	0.158		"	0.209		75.6	30-150				
LCS Dup (BE80760-BSD2)						Prepared & Analyzed: 05/15/2018					
Aroclor 1016	1.10	0.0500	ug/L	1.00		110	40-120		2.74	20	
Aroclor 1260	0.988	0.0500	"	1.00		98.8	40-120		7.63	20	
Surrogate: Tetrachloro-m-xylene	0.194		"	0.202		96.0	30-150				
Surrogate: Decachlorobiphenyl	0.173		"	0.209		82.8	30-150				



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
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Batch BE80922 - EPA 3015A

Blank (BE80922-BLK1)

Prepared & Analyzed: 05/17/2018

Aluminum	ND	0.0556	mg/L
Barium	ND	0.0111	"
Calcium	ND	0.0556	"
Chromium	ND	0.00556	"
Cobalt	ND	0.00556	"
Copper	ND	0.00556	"
Iron	ND	0.0222	"
Lead	ND	0.00556	"
Magnesium	ND	0.0556	"
Manganese	ND	0.00556	"
Nickel	ND	0.00556	"
Potassium	0.197	0.0556	"
Silver	ND	0.00556	"
Sodium	0.322	0.111	"
Vanadium	ND	0.0111	"
Zinc	ND	0.0167	"

Duplicate (BE80922-DUP1)

*Source sample: 18E0702-01 (053/LMW-5)

Prepared: 05/17/2018 Analyzed: 05/18/2018

Aluminum	0.260	0.0556	mg/L	0.480	59.3	20	Non-dir.
Barium	0.497	0.0111	"	0.506	1.74	20	
Calcium	224	0.0556	"	225	0.338	20	
Chromium	ND	0.00556	"	ND		20	
Cobalt	ND	0.00556	"	ND		20	
Copper	0.00746	0.00556	"	0.00956	24.8	20	Non-dir.
Iron	32.5	0.0222	"	32.8	0.785	20	
Lead	0.0416	0.00556	"	0.0533	24.6	20	Non-dir.
Magnesium	23.2	0.0556	"	23.5	0.954	20	
Manganese	1.01	0.00556	"	1.03	2.52	20	
Nickel	ND	0.00556	"	ND		20	
Potassium	13.2	0.0556	"	13.8	4.84	20	
Silver	ND	0.00556	"	ND		20	
Sodium	25.9	0.111	"	25.9	0.114	20	
Vanadium	ND	0.0111	"	ND		20	
Zinc	0.0652	0.0167	"	0.0764	15.8	20	



Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE80922 - EPA 3015A

Matrix Spike (BE80922-MS1)		*Source sample: 18E0702-01 (053/LMW-5)						Prepared: 05/17/2018 Analyzed: 05/18/2018			
Barium	0.474	0.0111	mg/L	2.22	0.506	NR	75-125	Low Bias			
Chromium	ND	0.00556	"	0.222	ND		75-125	Low Bias			
Cobalt	ND	0.00556	"	0.556	ND		75-125	Low Bias			
Copper	ND	0.00556	"	0.278	0.00956	NR	75-125	Low Bias			
Iron	44.5	0.0222	"	1.11	32.8	NR	75-125	High Bias			
Lead	0.0140	0.00556	"	0.556	0.0533	NR	75-125	Low Bias			
Manganese	0.525	0.00556	"	0.556	1.03	NR	75-125	Low Bias			
Nickel	ND	0.00556	"	0.556	ND		75-125	Low Bias			
Silver	ND	0.00556	"	0.0556	ND		75-125	Low Bias			
Vanadium	ND	0.0111	"	0.556	ND		75-125	Low Bias			
Zinc	ND	0.0167	"	0.556	0.0764	NR	75-125	Low Bias			

Batch BE80993 - EPA 3015A

Blank (BE80993-BLK1)		Prepared: 05/18/2018 Analyzed: 05/21/2018									
Aluminum - Dissolved	ND	0.0556	mg/L								
Barium - Dissolved	ND	0.0111	"								
Calcium - Dissolved	ND	0.0556	"								
Chromium - Dissolved	ND	0.00556	"								
Cobalt - Dissolved	ND	0.00556	"								
Copper - Dissolved	ND	0.00556	"								
Iron - Dissolved	ND	0.0222	"								
Lead - Dissolved	ND	0.00556	"								
Magnesium - Dissolved	ND	0.0556	"								
Manganese - Dissolved	ND	0.00556	"								
Nickel - Dissolved	ND	0.00556	"								
Potassium - Dissolved	ND	0.0556	"								
Silver - Dissolved	ND	0.00556	"								
Sodium - Dissolved	ND	0.111	"								
Vanadium - Dissolved	ND	0.0111	"								
Zinc - Dissolved	ND	0.0167	"								



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
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Batch BE80993 - EPA 3015A

LCS (BE80993-BS1)

Prepared: 05/18/2018 Analyzed: 05/21/2018

Aluminum - Dissolved	1.94		ug/mL	2.00		97.2	80-120			
Barium - Dissolved	2.03		"	2.00		101	80-120			
Calcium - Dissolved	1.01		"	1.00		101	80-120			
Chromium - Dissolved	0.210		"	0.200		105	80-120			
Cobalt - Dissolved	0.523		"	0.500		105	80-120			
Copper - Dissolved	0.252		"	0.250		101	80-120			
Iron - Dissolved	1.01		"	1.00		101	80-120			
Lead - Dissolved	0.508		"	0.500		102	80-120			
Magnesium - Dissolved	1.00		"	1.00		100	80-120			
Manganese - Dissolved	0.508		"	0.500		102	80-120			
Nickel - Dissolved	0.507		"	0.500		101	80-120			
Potassium - Dissolved	0.848		"	1.00		84.8	80-120			
Silver - Dissolved	0.0543		"	0.0500		109	80-120			
Sodium - Dissolved	1.07		"	1.00		107	80-120			
Vanadium - Dissolved	0.489		"	0.500		97.7	80-120			
Zinc - Dissolved	0.506		"	0.500		101	80-120			

Duplicate (BE80993-DUP1)

*Source sample: 18E0702-01 (053/LMW-5)

Prepared: 05/18/2018 Analyzed: 05/21/2018

Aluminum - Dissolved	ND	0.0556	mg/L		ND					20	
Barium - Dissolved	0.372	0.0111	"		0.378				1.53	20	
Calcium - Dissolved	224	0.0556	"		224				0.0672	20	
Chromium - Dissolved	ND	0.00556	"		ND					20	
Cobalt - Dissolved	ND	0.00556	"		ND					20	
Copper - Dissolved	0.0108	0.00556	"		0.00556				64.0	20	Non-dir.
Iron - Dissolved	6.96	0.0222	"		7.00				0.542	20	
Lead - Dissolved	ND	0.00556	"		ND					20	
Magnesium - Dissolved	23.7	0.0556	"		23.9				1.08	20	
Manganese - Dissolved	1.02	0.00556	"		1.03				1.32	20	
Nickel - Dissolved	ND	0.00556	"		ND					20	
Potassium - Dissolved	13.5	0.0556	"		13.0				3.89	20	
Silver - Dissolved	ND	0.00556	"		ND					20	
Sodium - Dissolved	25.7	0.111	"		25.9				0.678	20	
Vanadium - Dissolved	ND	0.0111	"		ND					20	
Zinc - Dissolved	0.0184	0.0167	"		0.0225				20.4	20	Non-dir.



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE80993 - EPA 3015A

Matrix Spike (BE80993-MS1)		*Source sample: 18E0702-01 (053/LMW-5)						Prepared: 05/18/2018 Analyzed: 05/21/2018			
Barium - Dissolved	2.53	0.0111	mg/L	2.22	0.378	96.9	75-125				
Chromium - Dissolved	0.228	0.00556	"	0.222	ND	102	75-125				
Cobalt - Dissolved	0.554	0.00556	"	0.556	ND	99.7	75-125				
Copper - Dissolved	0.280	0.00556	"	0.278	0.00556	98.8	75-125				
Iron - Dissolved	7.86	0.0222	"	1.11	7.00	77.6	75-125				
Lead - Dissolved	0.533	0.00556	"	0.556	ND	95.9	75-125				
Manganese - Dissolved	1.55	0.00556	"	0.556	1.03	93.1	75-125				
Nickel - Dissolved	0.549	0.00556	"	0.556	ND	98.8	75-125				
Silver - Dissolved	0.0575	0.00556	"	0.0556	ND	104	75-125				
Vanadium - Dissolved	0.534	0.0111	"	0.556	ND	96.1	75-125				
Zinc - Dissolved	0.560	0.0167	"	0.556	0.0225	96.8	75-125				



Metals by ICP/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE80923 - EPA 3015A

Blank (BE80923-BLK1)

Prepared: 05/17/2018 Analyzed: 05/21/2018

Antimony	ND	0.00111	mg/L
Arsenic	ND	0.00111	"
Beryllium	ND	0.00111	"
Cadmium	ND	0.00111	"
Selenium	ND	0.00111	"
Thallium	ND	0.00111	"

LCS (BE80923-BS1)

Prepared: 05/17/2018 Analyzed: 05/21/2018

Antimony	38.2	ug/L	50.0	76.4	80-120	Low Bias
Arsenic	42.5	"	50.0	85.1	80-120	
Beryllium	46.6	"	50.0	93.2	80-120	
Cadmium	43.6	"	50.0	87.2	80-120	
Selenium	37.8	"	50.0	75.6	80-120	Low Bias
Thallium	50.2	"	50.0	100	80-120	

Batch BE80994 - EPA 3015A

Blank (BE80994-BLK1)

Prepared: 05/18/2018 Analyzed: 05/21/2018

Antimony - Dissolved	ND	0.00111	mg/L
Arsenic - Dissolved	ND	0.00111	"
Beryllium - Dissolved	ND	0.00111	"
Cadmium - Dissolved	ND	0.00111	"
Selenium - Dissolved	ND	0.00111	"
Thallium - Dissolved	ND	0.00111	"

LCS (BE80994-BS1)

Prepared: 05/18/2018 Analyzed: 05/21/2018

Antimony - Dissolved	39.3	ug/L	50.0	78.7	80-120	Low Bias
Arsenic - Dissolved	44.6	"	50.0	89.2	80-120	
Beryllium - Dissolved	45.9	"	50.0	91.8	80-120	
Cadmium - Dissolved	44.6	"	50.0	89.1	80-120	
Selenium - Dissolved	41.1	"	50.0	82.3	80-120	
Thallium - Dissolved	50.5	"	50.0	101	80-120	



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
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Batch BE80773 - EPA 7473 water

Blank (BE80773-BLK1)								Prepared & Analyzed: 05/15/2018			
Mercury	ND	0.00020	mg/L								
Duplicate (BE80773-DUP1)								Prepared & Analyzed: 05/15/2018			
*Source sample: 18E0702-08 (060/LMW-2)											
Mercury	ND	0.00020	mg/L		ND					20	
Matrix Spike (BE80773-MS1)								Prepared & Analyzed: 05/15/2018			
*Source sample: 18E0702-08 (060/LMW-2)											
Mercury	0.00895		mg/L	0.0100	0.00017	87.8	75-125				
Reference (BE80773-SRM1)								Prepared & Analyzed: 05/15/2018			
Mercury	0.00936		mg/L	0.0100		93.6	70-130				

Batch BE80919 - EPA 7473 water

Blank (BE80919-BLK1)								Prepared & Analyzed: 05/17/2018			
Mercury - Dissolved	ND	0.0002000	mg/L								
Reference (BE80919-SRM1)								Prepared & Analyzed: 05/17/2018			
Mercury - Dissolved	0.008140		mg/L	0.0100		81.4	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
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Batch BE80768 - Analysis Preparation

Blank (BE80768-BLK1)

Prepared & Analyzed: 05/15/2018

Chromium, Hexavalent ND 0.0100 mg/L

LCS (BE80768-BS1)

Prepared & Analyzed: 05/15/2018

Chromium, Hexavalent 0.460 0.0100 mg/L 0.500 92.0 80-120

Duplicate (BE80768-DUP1)

*Source sample: 18E0702-08 (060/LMW-2)

Prepared & Analyzed: 05/15/2018

Chromium, Hexavalent ND 0.0100 mg/L ND 20

Matrix Spike (BE80768-MS1)

*Source sample: 18E0702-08 (060/LMW-2)

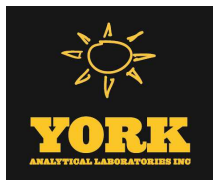
Prepared & Analyzed: 05/15/2018

Chromium, Hexavalent 0.463 0.0100 mg/L 0.500 ND 92.6 75-125



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
18E0702-01	053/LMW-5	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18E0702-02	054/DUP-3	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18E0702-03	055/LMW-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18E0702-04	056/TB-5	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18E0702-05	057/FB-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18E0702-06	058/LMW-3	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18E0702-07	059/LMW-4	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18E0702-08	060/LMW-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

S-GC	Two surrogates are used for this analysis. One surrogate recovered within control limits therefore the analysis is acceptable.
SCAL-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%).
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
M-SRD1	The serial dilution for this element was outside control limits.
M-MBLk	Analyte was detected in the batch method blank above the Reporting Limit.
M-DUPS	The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
GC-SCu	This surrogate recovered below control limits due to extract clean-up required. The alternate surrogate, Decachlorobiphenyl is within control limits.
EXT-EM	The sample exhibited emulsion formation during the extraction process. This may affect surrogate recoveries.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

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



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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

