

18 December 2017

Rashid A. Walker
BRP Development Corporation
767 Third Avenue, 33rd Floor
New York, New York 10017

**Re: Limited Phase II Environmental Site Investigation Report
500 Main Street
Block 215, Lot 12
New Rochelle, New York
Langan Project No.: 140169801**

Dear Mr. Walker,

Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C. (Langan) prepared this report to document the results of the Limited Phase II Environmental Site Investigation (ESI) performed on behalf of BRP Development Corp (BRP) for the property located at 500 Main Street, New Rochelle, New York (referred to herein as the "Subject Property"). The Subject Property (Block 215, Lot 12) is comprised of a 0.51-acre irregularly-shaped lot containing an approximately 20,000-square-foot, two-story commercial building with an asphalt-paved parking area and loading dock. This investigation included a geophysical survey, and soil and groundwater sampling. This report describes the sampling methodology, field observations, and analytical results of the subsurface investigation.

BACKGROUND

The purpose of this Limited Phase II ESI was to investigate if a release of hazardous/petroleum-related substance had occurred to the subsurface in connection with the recognized environmental conditions (RECs) identified during Langan's November 2017 Phase I Environmental Site Assessment (ESA). The following is a summary of the RECs identified in the Phase I ESA:

REC 1 – On-Site Underground Storage Tanks

The following evidence of underground storage tanks (USTs) was identified in connection with the Subject Property:

- According to records provided by the City of New Rochelle Fire Department and observations made during Langan's site reconnaissance, one concrete-vaulted 5,000-gallon No. 2 fuel oil UST has been located within the loading dock area of the Subject Property since at least 1954 (see Figure 2). The UST has reportedly been out-of

service since approximately 2012. Tank testing documentation for this tank was not available; therefore, the integrity of the UST is unknown.

- According to records provided by the City of New Rochelle Fire Department, a 1,000-gallon No. 3 fuel oil UST was previously identified at the Subject Property in 1933; however, no information regarding the location or status of the tank was available.
- As evident by historical Sanborn Fire Insurance Maps, a gasoline-powered engine and associated 100-gallon gasoline UST were present at the Subject Property during its use as a meat market and sausage-packing shop from approximately 1887 to 1911; however, the exact location of the tank was not provided.

Although no soil and groundwater sampling or UST removal records were identified as part of the Phase I ESA, the former USTs and overburden material were likely removed across most of the Subject Property to approximately 12 to 14 feet below grade to facilitate the construction of the building's basement in the early 1950s. However, absent environmental sampling data for deeper soils and/or groundwater, the potential for unidentified subsurface impacts associated with historic USTs remains. Based on the known and suspected presence of historic tanks and the lack of any documentation of tank closure or associated environmental sampling, the existing and historical USTs are considered a REC.

REC 2 – Historical Use of Surrounding Property (490-494 Main Street)

The historic use of the off-site property at 490-494 Main Street (located approximately 50 feet northeast and cross-gradient of the Subject Property) poses a potential concern with respect to the Subject Property in connection with its historic use as a carriage factory in the late 1800s. Although Langan was unable to obtain details with respect to the property's former use (i.e., years of operation, type & extent of work performed, etc.), given the length and period of historic operation (when environmental regulatory enforcement was very limited), operational practices may have impacted conditions at the Subject Property that are not presently known to site ownership or regulatory officials. Therefore, potential impacts from historical operations conducted at 490-494 Main Street represent a REC due to the potential for migration of contaminants to impact soil vapor and/or groundwater at the Subject Property.

Due to observed access limitations within the basement of the Subject Property, the environmental scope of work was intended for a due diligence level subsurface exploration. Additional soil, groundwater, and/or soil vapor¹ sampling may be warranted to confirm our preliminary findings after the existing building is demolished.

¹ Langan attempted to install at least one sub-slab soil vapor probe within the basement of the Subject Property; however, due to the observed high groundwater table (less than 1-foot beneath the basement slab), soil vapor samples could not be collected.

FIELD INVESTIGATION

Langan conducted the field investigation on 12, 13, and 16 October 2017. The field investigation included the completion of a geophysical survey, the installation of two soil borings and two monitoring wells, the collection of two grab soil samples from soil borings (plus one duplicate sample), the collection of two groundwater samples from groundwater monitoring wells (plus one duplicate), and the collection of one surficial soil sample from a soil-lined sump located in the basement. Soil sampling procedures and results are discussed below. A summary of soil and groundwater sample collection is provided in Table 1 and a summary of the laboratory analytical data for the environmental samples is provided in Tables 2 and 3. All samples were analyzed by a NYSDOH Environmental Laboratory Approval Program (ELAP)-certified laboratory.

Geophysical Survey

The geophysical survey was completed by NOVA Geophysical Services (NOVA) of Douglaston, New York under the observation of a Langan field engineer on 12 October 2017. The survey included ground penetrating radar (GPR), electromagnetic (EM) detectors, and comprehensive subsurface utility (CSUL) locators to locate and identify current and former utility lines, anomalies, underground storage tanks (USTs), subsurface structures, and to clear proposed boring locations.

Soil Investigation

Two soil borings (SB-1 and SB-2) were installed by SoilTesting Inc. of Oxford, Connecticut (SoilTesting) under the supervision of a Langan field engineer. Soil boring SB-1 was an exterior boring and was advanced along the southwestern perimeter of the concrete loading dock and in the area of the fuel oil UST. Soil boring SB-2 was an interior boring and was advanced within the northwestern portion of the Subject Property basement and in the general presumed vicinity of the two former on-site USTs. The soil boring locations are presented on Figure 3. SB-1 was completed using a Diedrich® D-120 turbo truck-mounted drill rig equipped with a 4 ¼-inch inside-diameter hollow-stem auger. Due to access limitations, SB-2 was completed using hand-held equipment and a split spoon tripod sampling method. Soil samples were collected in each boring into a 2-inch diameter by 24-inches long split-barrel sampler. Soil samples retrieved from each boring were visually classified for soil type, grain size and texture. Each soil sample was screened for total organic vapors using a photoionization detector (PID) equipped with a 10.6 electron volt (eV) lamp. Soil samples were also evaluated for visual and olfactory indications of environmental impact. Soil boring logs are provided as Attachment A.

One discrete (grab) soil sample was collected for laboratory analysis from each boring at depths of 10 to 12 feet below sidewalk grade (for SB-1) and 2 to 4 foot below basement grade (for SB-

2). Soil boring SB-1 was terminated at a depth of 31 feet below sidewalk grade and soil boring SB-2 was terminated at a depth of 5 feet below basement grade. Additionally, one soil sample was collected at 0.5 to 1 foot below basement grade from the soil-lined sump located on the southeastern portion of the Subject Property building. Soil samples were submitted to York Analytical Laboratories (York) under standard chain-of-custody protocol for analysis of Part 375 list volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), and metals. Trip blanks were submitted for laboratory analysis of VOCs. A summary of soil analytical data is presented in Table 2. Laboratory analytical reports and chain-of-custody documentation are provided in Attachment D.

Groundwater Investigation

The two soil borings (SB-1 and SB-2) advanced as part of this investigation were converted into groundwater monitoring wells MW-1 and MW-2, respectively. The monitoring wells were constructed to straddle the observed groundwater table, which was encountered at 10 feet below sidewalk grade at SB-1 and 8.5 inches below basement grade at SB-2. The wells were constructed with 2-inch diameter, threaded, flush-joint, polyvinyl chloride (PVC) casing and 0.01-inch slotted screens. The monitoring wells were developed with a submersible pump and dedicated polyethylene tubing until the purged water was visually clear. Well construction logs are provided in Attachment B. Groundwater monitoring well locations are shown on Figure 3. A summary of groundwater analytical data is presented in Table 3.

Low-flow groundwater sampling was conducted on 16 October 2017 using the Environmental Protection Agency (EPA) Region 1 low-flow methodology. During low-flow sampling, Langan monitored and recorded field parameter data including dissolved oxygen (DO), oxidation reduction potential (ORP), temperature (T), pH, turbidity, and specific conductivity. Once field parameters stabilized, Langan collected groundwater samples into laboratory-provided glassware for transport to York for analysis of Part 375 list VOCs, SVOCs, and metals. Trip blanks were submitted for laboratory analysis of VOCs. Groundwater low flow sampling logs are provided as Attachment C.

OBSERVATIONS AND RESULTS

Geophysical Survey

As stated above, a geophysical survey was conducted to locate and identify current and former utility lines, anomalies, USTs, subsurface structures, and to clear proposed boring locations. The GPR survey identified minor anomalies that were consistent with subsurface utility lines and the known existing vaulted UST within the loading dock area; however, anomalies indicative of additional USTs or subsurface structures were not identified.

Subsurface Observations

The exterior soil boring SB-1 was advanced to 31 feet below sidewalk grade and the interior boring SB-2 was advanced to 5 feet below basement grade. The subsurface conditions encountered generally consist of surficial layers of either asphalt or concrete underlain by layers of fill, glacial till, weathered rock and bedrock. Groundwater was encountered in both borings. A more detailed description of each layer encountered is provided below:

Surficial Material – Surficial layers consisted of asphalt and concrete. A 2-inch-thick asphalt layer was encountered in SB-1 and a 14-inch-thick concrete slab was encountered at SB-2.

Fill Layer – A layer of fill about 10 feet thick was encountered in SB-1. The fill is generally composed of dark brown to brown or gray, fine to coarse sand with varying proportions of silt, gravel, cobbles, boulders, and glass. Boulders were encountered within the fill from about 5 feet to about 8 feet bgs. The relative density of the fill is generally classified as medium-dense to very dense.

Glacial Till – A layer of glacial till up to about 4 feet thick was encountered in both borings. The glacial till is generally composed of brown to reddish brown or gray, fine to coarse sand with varying proportions of silt, gravel, cobbles, and boulders. An obstruction within the glacial till was encountered in SB-2 as confirmed by split-spoon refusal and termination of the boring at this location about 5 feet bgs. The glacial till may extend deeper at this location. The relative density of the glacial till is generally classified as very dense.

Weathered Rock – A layer of weathered rock up to about 8 feet thick was encountered below the glacial till in SB-1. The weathered rock displayed the visual fabric of the parent rock, but was weathered to fine to coarse sand with varying proportions of rock fragments. The relative density of the weathered rock is generally classified as very dense.

Bedrock – Competent bedrock was encountered and cored in SB-1 underlying the weathered rock. The bedrock underlying the site consists of white to gray pelitic schist, the top of which was encountered at 22 feet bgs.

Groundwater – Groundwater was encountered at approximately 10.5 feet below sidewalk grade at MW-1 and approximately 8.5 inches below basement grade at MW-2. Based on local topography, groundwater is expected to flow to the south-southeast towards the Long Island Sound. Groundwater can be expected to fluctuate with weather, seasonal conditions, or construction activities such as dewatering.

Soil boring logs are provided as Attachment A and groundwater monitoring well construction logs are provided as Attachment B.

Soil Sample Analytical Results

Three soil samples (plus a duplicate sample) were submitted for laboratory analysis. Analytical results were compared to Part 375 Unrestricted and Restricted Use Residential Site Cleanup Objectives (SCOs). A summary of the soil analytical results are presented in Table 2.

VOCs

One VOC (acetone) was detected above laboratory reporting limits but below SCOs in the soil samples collected. However, acetone is a common laboratory contaminant, not a contaminant of concern, and is not being attributed to a release area at the Subject Property. No other VOCs were detected above laboratory reporting limits.

SVOCs

Several SVOCs were detected in the soil samples collected above laboratory reporting limits but below SCOs. The detected SVOCs are common constituents of fill material and are not indicative of a release.

Metals

Five metals, including copper, lead, mercury, selenium, and zinc were detected at concentrations exceeding the Unrestricted Use SCOs in the soil sample collected from the soil-lined sump between 0.5 to 1 foot below basement grade. No metals were detected above SCOs in the soil samples collected from the soil borings SB-1 and SB-2. These metals appear to be constituents of the fill or naturally-occurring soil minerals in native soil and are not indicative of a release.

Groundwater Analytical Results

Two groundwater samples (plus a duplicate sample) were submitted for laboratory analysis. Analytical results were compared to the Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards (AWQS) for Class GA waters. A summary of the groundwater analytical results are presented in Table 3.

VOCs

One VOC (acetone) was detected above laboratory reporting limits but below AWQSD in the groundwater samples collected. However, acetone is a common laboratory contaminant, not a contaminant of concern, and is not being attributed to a release area at the Subject Property. No other VOCs were detected above laboratory reporting limits.

SVOCs

Several SVOCs were detected in the groundwater samples above laboratory reporting limits but below AWQS. The detected SVOCs are common constituents of fill material and are not indicative of a release.

Metals

Two metals (chromium and manganese) were detected at concentrations exceeding the AWQS in MW-2 and one metal (selenium) was detected at a concentration exceeding the AWQS in MW-1. These metals contaminants in groundwater likely arise from the quality of the fill material and are related to regional groundwater quality.

FINDINGS AND CONCLUSIONS

Based on the observations and results of this investigation, we conclude the following:

- The GPR survey identified minor anomalies that were consistent with subsurface utility lines and the known existing UST within the loading dock area; however, anomalies indicative of additional USTs or subsurface structures were not identified.
- No visual or olfactory evidence of petroleum impacts (i.e., staining, elevated PID readings, etc.) was identified as part of the investigation.
- Soil sampling of the soil-lined sump within the Subject Property building's basement showed elevated levels of metals including copper, lead, mercury, selenium, and zinc exceeding the Unrestricted Use SCOs. These metals appear to be constituents of the fill or naturally-occurring soil minerals in native soil and are not indicative of a release.
- Groundwater was encountered at approximately 10.5 feet below sidewalk grade at MW-1 and approximately 8.5 inches below basement grade at MW-2. Based on local topography, groundwater is expected to flow to the south-southeast towards the Long Island Sound. Groundwater can be expected to fluctuate with weather, seasonal conditions, or construction activities such as dewatering.
- Two metals (chromium and manganese) were detected at concentrations exceeding the AWQS in MW-2 and one metal (selenium) was detected at a concentration exceeding the AWQS in MW-1. These metals contaminants in groundwater likely arise from the quality of the fill material and are related to regional groundwater quality.
- This investigation does not constitute a full characterization of the site soils. Considering redevelopment of the Subject Property is likely going to yield a net export of soils, we would recommend a waste characterization sampling program be implemented to

characterize those soils slated for export, and better understand potential soil export premiums during construction.

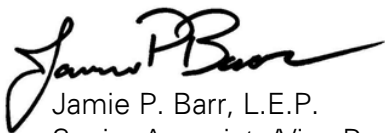
- As the Subject Property is not currently in a regulatory program and the analytical results do not trigger a reporting requirement, no further action is necessary at this time. However, due to observed access limitations within the basement of the Subject Property, the environmental scope of work was intended for a due diligence level subsurface exploration. As such, additional soil, groundwater, and/or soil vapor sampling may be warranted to confirm our preliminary findings after the existing building is demolished.

LIMITATIONS

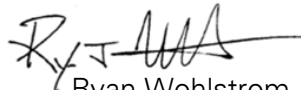
This Limited Phase II ESI report was prepared expressly for BRP for the property located at 500 Main Street in New Rochelle, New York and for the objectives defined herein. Langan cannot assume responsibility for the use of this report for any property other than the specific site addressed in this report, or by any third party without specific written authorization from Langan. The conclusions and opinions provided in this report are based on subsurface conditions ascertained from the analysis of a limited number of samples and from environmental reports prepared by Langan and other professionals. Actual conditions encountered may differ substantially from those presented herein and should be brought to our attention whereby we may determine how such changes may affect our conclusions.

Should you have any questions regarding the findings presented in this report, please feel free to call us at 203-784-3069.

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



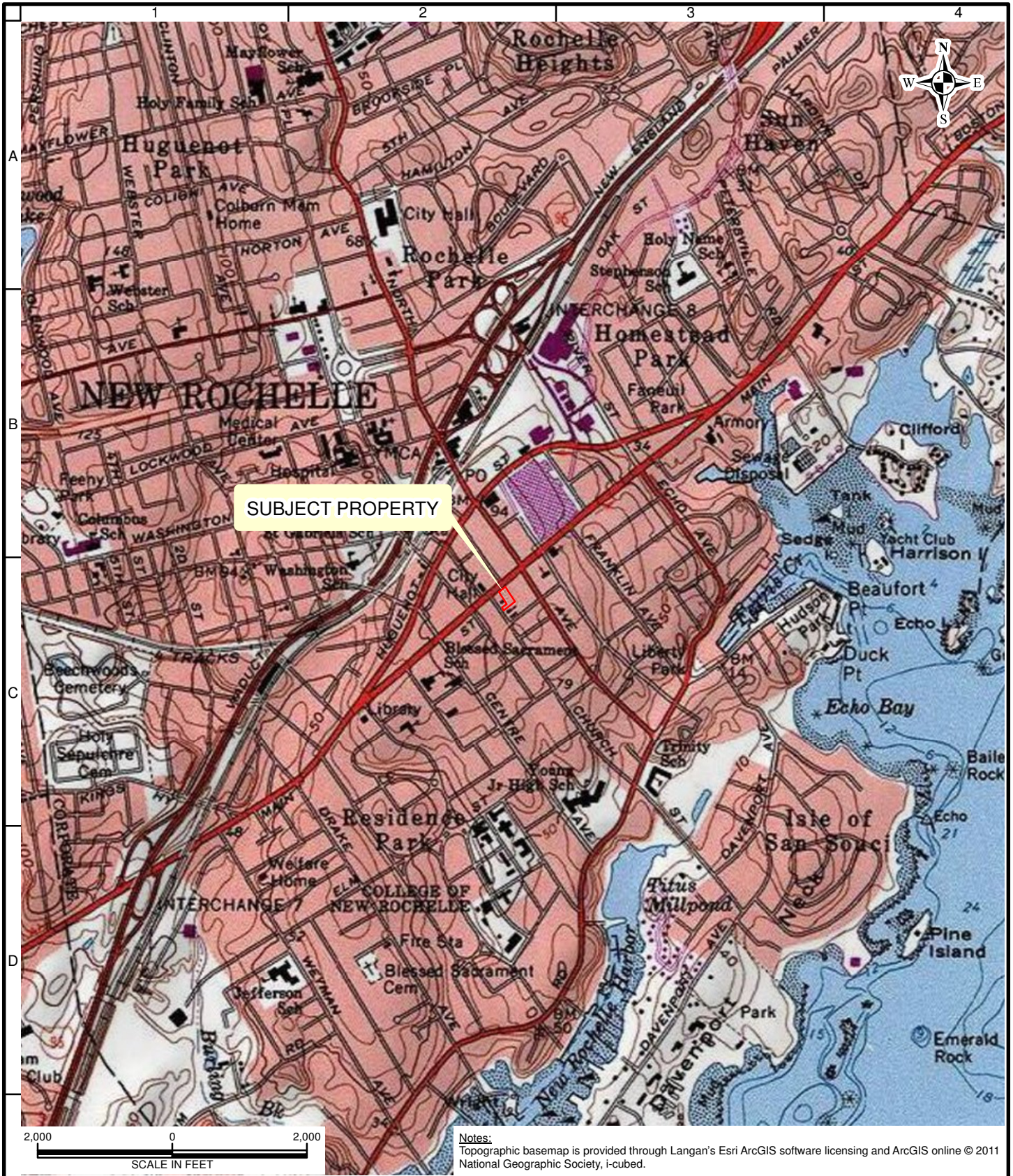
Jamie P. Barr, L.E.P.
Senior Associate/Vice President



Ryan Wohlstrom
Senior Project Manager

Enclosures: Table 1 – Sample Summary
Table 2 – Soil Sample Analytical Results
Table 3 – Groundwater Sample Analytical Results
Figure 1 – Site Location Map
Figure 2 – REC Location Map
Figure 3 – Investigation Location Map
Attachment A – Soil Boring Logs
Attachment B – Groundwater Monitoring Well Construction Logs
Attachment C – Groundwater Low-Flow Sampling Logs
Attachment D – Laboratory Analytical Reports with Chain of Custody Data

FIGURES



SUBJECT PROPERTY

Notes:
 Topographic basemap is provided through Langan's Esri ArcGIS software licensing and ArcGIS online © 2011 National Geographic Society, i-cubed.

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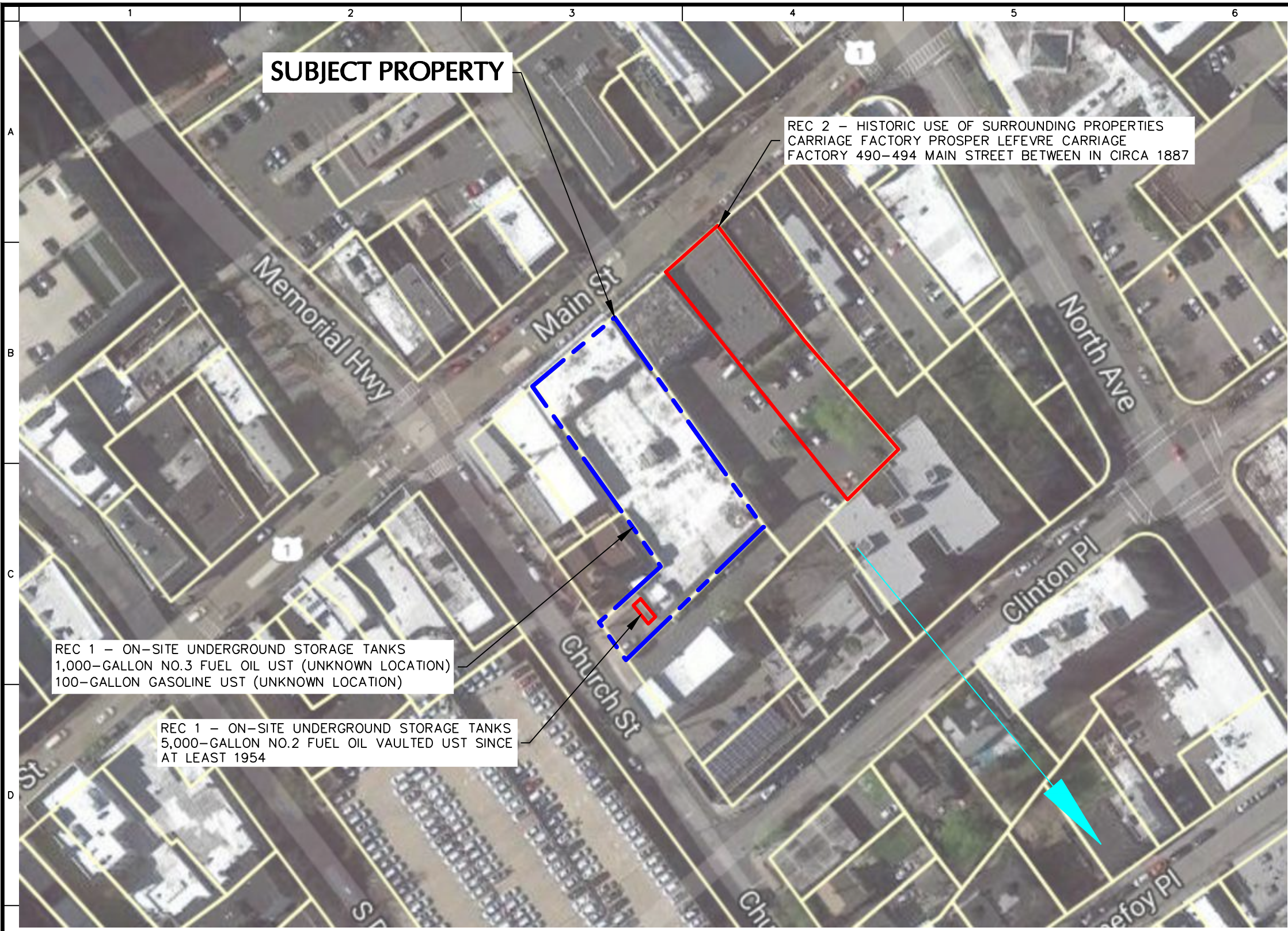
Langan Engineering & Environmental Services, Inc.
 Langan Engineering, Environmental, Surveying and
 Landscape Architecture, D.P.C.
 Langan International LLC
 Collectively known as Langan

Project
500 MAIN STREET
 BLOCK No. 215, LOT No. 12
 NEW ROCHELLE
 WESTCHESTER COUNTY NEW YORK

Drawing Title
**SITE
 LOCATION MAP**

Project No.
 140169801
 Date
 OCTOBER 2017
 Scale
 1"=2,000'
 Drawn By
 JPH
 Submission Date
 OCTOBER 2017

Figure
 1
 Sheet 1 of 2





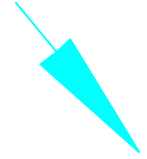
SUBJECT PROPERTY

REC 2 – HISTORIC USE OF SURROUNDING PROPERTIES
 CARRIAGE FACTORY PROSPER LEFEVRE CARRIAGE
 FACTORY 490–494 MAIN STREET BETWEEN IN CIRCA 1887

REC 1 – ON-SITE UNDERGROUND STORAGE TANKS
 1,000-GALLON NO.3 FUEL OIL UST (UNKNOWN LOCATION)
 100-GALLON GASOLINE UST (UNKNOWN LOCATION)

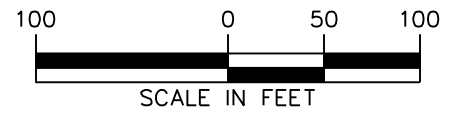
REC 1 – ON-SITE UNDERGROUND STORAGE TANKS
 5,000-GALLON NO.2 FUEL OIL VAULTED UST SINCE
 AT LEAST 1954

LEGEND

-  SUBJECT PROPERTY BOUNDARY
-  REC LOCATION
-  INFERRED GROUNDWATER FLOW DIRECTION

NOTES

1. BASE MAP WAS TAKEN FROM EDR LIGHTBOX APPLICATION. MAP IMAGERY REFERENCED FROM GOOGLE IMAGERY AND PROPERTY BOUNDARY DETAILS WERE REFERENCED FROM BLUE SKY DIGITAL, NEW YORK GIS.
2. REC = RECOGNIZED ENVIRONMENTAL CONDITION
3. UST = UNDERGROUND STORAGE TANK



WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN ANY WAY.

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Project
500 MAIN STREET
 BLOCK No. 215, LOT No.12
 NEW ROCHELLE
 WESTCHESTER COUNTY NEW YORK

Drawing Title
REC LOCATION MAP

Project No. 140169801	Drawing No. 2
Date DECEMBER 2017	
Scale 1"=100'	
Drawn By JPH	Checked By RJW
Submission Date DECEMBER 2017	Sheet 2 of 3

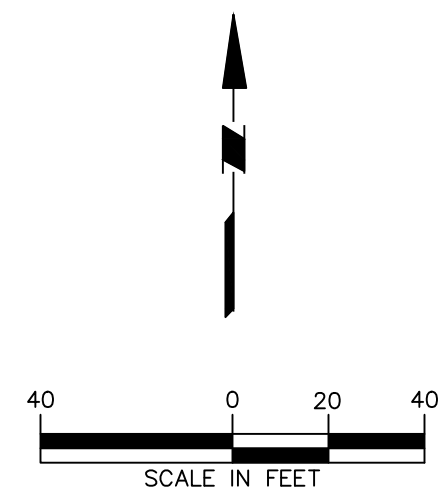


LEGEND

- SUBJECT PROPERTY BOUNDARY
- SB-1/MW-1**
SOIL BORING AND MONITORING WELL LOCATIONS
- SUMP**
SOIL LINED SUMP SAMPLE LOCATION
- APPROXIMATE LOCATION OF EXISTING UST
- INFERRED GROUNDWATER FLOW DIRECTION

NOTES

1. BASE MAP WAS TAKEN FROM GOOGLE MAPS ON 1 NOVEMBER 2017.
2. SOIL BORING, MONITORING WELLS, SOIL LINED SUMP, AND EXISTING UST LOCATIONS ARE BASED ON FIELD MEASUREMENTS AND ARE APPROXIMATE.
3. UST = UNDERGROUND STORAGE TANK.



WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN ANY WAY.

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 Langan International LLC
 Collectively known as Langan

Project
500 Main Street
BLOCK No. 215, LOT No. 12
NEW ROCHELLE
WESTCHESTER COUNTY NEW YORK

Drawing Title
INVESTIGATION LOCATION MAP

Project No. 140169801	Drawing No. 3
Date DECEMBER 2017	3
Scale 1" = 40'	
Drawn By JPH	Checked By RJW
Submission Date DECEMBER 2017	Sheet 3 of 3

TABLES

Table 1
Sample Summary
Limited Phase II ESI Report
500 Main Street
New Rochelle, New York
Langan Project No. 140169801

Sample Name	Sample Depth (ft bgs)	Date	Observations ⁽¹⁾	PID Reading (ppm)	Observed Depth to Groundwater (ft bgs)	Sample Analyses
Soil Samples						
SB-1 (10'-12')	10 to 12	12-Oct-17	Sand	0.0	10.5	NYSDEC Part 375 VOCs, NYSDEC Part 375 SVOCs, NYSDEC Part 375 Metals
SB-2 (2'-4')	2 to 4	13-Oct-17	Sand	0.0	0.7	
SUMP (0.5'-1')	0.5 to 1	13-Oct-17	Sand	0.0	NA	
2017.10.13-DUPS1 [Parent Sample - SB-1 (10'-12')]	10 to 12	12-Oct-17	Sand	0.0	10.5	
Groundwater Samples						
MW-1	NA	16-Oct-17	GW	0.0	10.5	NYSDEC Part 375 VOCs, NYSDEC Part 375 SVOCs, NYSDEC Part 375 Metals
MW-2	NA	16-Oct-17	GW	0.0	0.7	
2017.10.16-DUPW1 [Parent Sample - MW-1]	NA	16-Oct-17	GW	0.0	10.5	

Notes:

- 1) Soil types based on field observations.
- 2) Groundwater depths based on field observations.

Acronyms:

BGS = Below grade surface
GW = Groundwater
NA = Not applicable
NO = Not observed
PID = Photoionization detector
PPM = Parts per million
VOCs = Volatile organic compounds
SVOCs = Semivolatile organic compounds
PCBs = Polychlorinated biphenyls
EPA = United States Environmental Protection Agency

Table 2
Soil Sample Analytical Results
Limited Phase II ESI Report
500 Main Street
New Rochelle, New York
Langan Project No. 140169801

Sample ID Parent Sample Sampling Date Client Matrix	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Residential	SB-1 (10'-12')		2017.10.13-DUPS1 SB-1 (10'-12')		SB-2 (2'-4')		Sump (0.5'-1')	
			10/12/2017 Soil		10/12/2017 Soil		10/13/2017 Soil		10/13/2017 Soil	
Compound			Result	Q	Result	Q	Result	Q	Result	Q
Volatile Organics, NJDEP/TCL/Part 375 List	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Dilution Factor			1		1		1		1	
2-Butanone	0.12	100	0.0019	U	0.0018	U	0.0019	U	0.0042	J
Acetone	0.05	100	0.0038	U	0.021		0.029		0.049	
cis-1,2-Dichloroethylene	0.25	59	0.0019	U	0.0018	U	0.0019	U	0.0054	J
Semi-Volatiles, NJDEP/TCL/Part 375 List	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Dilution Factor			2		2		2		5	
Bis(2-ethylhexyl)phthalate	~	~	0.0461	U	0.0462	U	0.0466	U	4.38	D
Di-n-butyl phthalate	~	~	0.0461	U	0.0462	U	0.0466	U	0.0985	JD
Fluoranthene	100	100	0.0802	JD	0.0462	U	0.0466	U	0.0767	JD
Phenanthrene	100	100	0.0596	JD	0.0462	U	0.0466	U	0.0697	JD
Pyrene	100	100	0.0581	JD	0.0462	U	0.0466	U	0.173	D
Metals, NYSDEC Part 375	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Dilution Factor			1		1		1		1	
Arsenic	13	16	1.1	U	1.11	U	1.27		4.43	
Barium	350	350	81.4		40.2		54.1		217	
Cadmium	2.5	2.5	0.331	U	0.332	U	0.335	U	1.45	
Chromium, Total	~	~	21.9		14.7		16.3		26.6	
Chromium, Hexavalent	1	22	0.552	U	0.553	U	0.558	U	0.654	U
Chromium, Trivalent	30	36	21.9		14.7		16.3		26.6	
Copper	50	270	22.7		15.1		14.9		187	
Lead	63	400	7.58		3.87		3.42		140	
Manganese	1600	2000	765		305		386		604	
Mercury	0.18	0.81	0.0331	U	0.0332	U	0.0335	U	0.375	
Nickel	30	140	29.9		18		16.7		29.2	
Selenium	3.9	36	1.54		1.6		2.14		5.160	
Zinc	109	2200	30.8	B	27.5	B	21.7	B	594	B

NOTES:

Soil samples were compared to Title 6 of the New York Codes, Rules and Regulations (NYCRR), Part 375 Unrestricted Use Soil Cleanup Objectives (SCOs), and Part 375 Restricted Residential SCOs. Only analyte(s) with detections are shown in table.

Indicates exceedance of the Unrestricted Use Objectives

Q is the Qualifier Column with definitions as follows:

D=result is from an analysis that required a dilution

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

U=analyte not detected at or above the level indicated

B=analyte found in the analysis batch blank

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

Table 3
Groundwater Sample Analytical Results
Limited Phase II ESI Report
500 Main Street
New Rochelle, New York
Langan Project No. 140169801

Sample ID	NYSDEC TOGS Standards and Guidance Values - GA	MW-1		2017.10.16-DUPW1		MW-2	
Parent Sample		10/16/2017		MW-1		10/16/2017	
Sampling Date		Water		Water		Water	
Client Matrix	Compound	Result	Q	Result	Q	Result	Q
Volatile Organics, NJDEP/TCL/Part 375 List		ug/L	ug/L		ug/L		ug/L
Dilution Factor		1		1		1	
1,2,3-Trichloropropane	0.04	0.2	U	0.2	U	0.2	U
1,2-Dibromo-3-chloropropane	0.04	0.2	U	0.2	U	0.2	U
1,2-Dibromoethane	0.0006	0.2	U	0.2	U	0.2	U
Acetone	50	2.3		1.9	J	4.3	
cis-1,2-Dichloroethylene	5	0.3	J	0.22	J	0.2	U
Semi-Volatiles, NJDEP/TCL/Part 375 List	ug/L	ug/L		ug/L		ug/L	
Dilution Factor		1		1		1	
1,2-Dichlorobenzene	3	2.5	U	3.03	U	2.78	U
1,3-Dichlorobenzene	3	2.5	U	3.03	U	2.78	U
1,4-Dichlorobenzene	3	2.5	U	3.03	U	2.78	U
2,4,5-Trichlorophenol	1	2.5	U	3.03	U	2.78	U
2,4,6-Trichlorophenol	1	2.5	U	3.03	U	2.78	U
2-Chlorophenol	1	2.5	U	3.03	U	2.78	U
2-Methylphenol	1	2.5	U	3.03	U	2.78	U
2-Nitrophenol	1	2.5	U	3.03	U	2.78	U
4-Chloro-3-methylphenol	1	2.5	U	3.03	U	2.78	U
4-Nitrophenol	1	2.5	U	3.03	U	2.78	U
Benzo(a)anthracene	0.002	0.05	U	0.0606	U	0.0556	U
Benzo(a)pyrene	0.002	0.05	U	0.0606	U	0.0556	U
Benzo(b)fluoranthene	0.002	0.05	U	0.0606	U	0.0556	U
Benzo(k)fluoranthene	0.002	0.05	U	0.0606	U	0.0556	U
Bis(2-chloroethyl)ether	1	2.5	U	3.03	U	2.78	U
Chrysene	0.002	0.05	U	0.0606	U	0.0556	U
Fluoranthene	50	0.05	U	0.0606	U	0.156	
Hexachlorobutadiene	0.5	0.5	U	0.606	U	0.556	U
Indeno(1,2,3-cd)pyrene	0.002	0.05	U	0.0606	U	0.0556	U
Naphthalene	10	0.05	U	0.0606	U	0.0778	
Nitrobenzene	0.4	0.28		0.303	U	0.278	U
Phenanthrene	50	0.05	U	0.0606	U	0.122	
Phenol	1	2.5	U	3.030	U	2.78	U
Pyrene	50	0.05	U	0.0606	U	0.1	
Metals, NYSDEC Part 375	ug/L	ug/L		ug/L		ug/L	
Dilution Factor		1		1		1	
Barium	1000	24		25		465	
Chromium	50	6	U	6	U	60	
Chromium, Trivalent	~	10	U	10	U	60	
Copper	200	17	J	17	J	93	B
Lead	25	6	U	6	U	12	
Manganese	300	63		63		5,110	
Nickel	100	6	U	6	U	77	
Selenium	10	15		11	U	11	U
Zinc	2000	17	U	17	U	56	

NOTES:

Groundwater samples were compared to the Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values (SGVs) for Class GA waters

Only analytes with detections are shown in table.

Indicates exceedance of the NYSDEC TOGS Standards and Guidance Values - GA

Indicates laboratory reporting limits were above the applicable criteria

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

B=analyte found in the analysis batch blank

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


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

ATTACHMENT A

SOIL BORING LOGS

Project 500 Main Street				Project No. 140169801			
Location New Rochelle, New York				Elevation and Datum El. 93 NAVD88			
Drilling Company SoilTesting Inc.				Date Started 10/12/17		Date Finished 10/12/17	
Drilling Equipment Truck Mounted Diedrich D-120				Completion Depth 31 ft		Rock Depth 22 ft	
Size and Type of Bit 4-1/4" I.D. Hollow Stem Auger				Number of Samples		Disturbed 8	
						Undisturbed N/A	
						Core 2	
Casing Diameter (in) N/A		Casing Depth (ft) N/A		Water Level (ft.) First 20		Completion 24 HR. 10.4	
Casing Hammer N/A		Weight (lbs) N/A		Drop (in) N/A		Drilling Foreman Tommy Page	
Sampler 2" O.D. Split Spoon				Inspecting Engineer Justin Hall			
Sampler Hammer Safety		Weight (lbs) 140		Drop (in) 30			

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MATERIAL SYMBOL	Elev. (ft)	Sample Description	PID Reading (ppm)	Coring (min)	Depth Scale	Sample Data				Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)	
						Number	Type	Recov. (in)	Penetr. resist. BL/6in		
	+93.0				0						
	+92.8	2-inch thick Asphalt									
		Dark Brown to Brown c-f SAND, sm. f-gravel, sm. silt [FILL] (dry)	0		1	S-1	SS	5	14		
			0						5		
			0		2	S-2	SS	6	8		
		Dark Brown to Brown c-f SAND, sm. f-gravel, sm. silt, tr. glass [FILL] (dry)	0						50/3		
			0		3						
			0		4						
		Gray c-f SAND, sm. f-gravel, tr. silt [FILL] (dry)	0		5	S-3	SS	13	26		
	+88.0		0						79		
			0						100/1		
			0		6						
			0		7						
			0		8						
	+85.0	Gray c-f SAND, sm. f-gravel, tr. silt [FILL] (dry)	0		9	S-4	SS	3	27		
			0						78		
			0						87		
			0		10				44		
	+83.0	Brown to Reddish Brown m-f SAND, sm. f-gravel, sm. silt, tr. c-sand [TILL] (moist)	0		11	S-5	SS	9	28		
			0						39		
			0						38		
			0		12				23		
			0		13						
			0		14						
	+79.0	?	0		15						
			0		16	S-6	SS	14	24		
			0						57		
			0						55		
			0		17				45		
			0		18						
			0		19						
			0		20						

Split spoon refusal. Rock fragments observed on tip of spoon. Auger to 4 feet. Heavy rig chatter from 2'-3" to 3'-6"

Split spoon refusal. Rock fragments observed on tip of spoon. Auger to 6 feet. Auger past 6' due to hard augering. Heavy rig chatter from 5' to 7'-6". Smooth drilling from 7'-6" to 8'-0".

Auger walking eastward. Adjust rig to accommodate shift in auger location. Med. Chatter 8'-10'

Take Environmental Sample 10'-12' @ 11:15 am.

Auger to 15'. Light to Medium Rig Chatter 12'-15'

Auger to 20'. Light to Medium Rig Chatter 17'-20'

Project		Project No.								
500 Main Street		140169801								
Location		Elevation and Datum								
New Rochelle, New York		El. 93 NAVD88								
MATERIAL SYMBOL	Elev. (ft)	Sample Description	PID Reading (ppm)	Coring (min)	Depth Scale	Sample Data				Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
						Number	Type	Recov. (in)	Penetr. resist BL/6in	
	+71.0	Dark Brown f-m SAND, sm. silt, sm. weathered rock fragments (wet)	0		20	S-7	SS	3	100/3	
		White to Gray Pelitic Schist [BEDROCK]	0		22	S-8	SS	0	100/0	
	+62.0	Gray Pelitic Schist [BEDROCK]	0	6 min	22	Run #1 NX CORE	REC=28"/48" =58% RQD=5"/48" =10%			Spoon bouncing @ 20'. Auger to 25'. Auger refusal @ 22'. Start Coring @ 22' for Run # 1
			0	2:27 min	23					
			0	4:26 min	24					
			0	5:07 min	25					
			0	2:04 min	26					
			0	2:37 min	27					
			0	3:01 min	28					
			0	2:38 min	29					
			0	3:27 min	30					
			0	3:27 min	31					
		End of Boring at 31'			31	Run #2 NX CORE	REC=58"/60" =97% RQD=49"/60" =82%		Rock core jammed. Start Coring @ 26' for Run #2	
				32						
				33						
				34						
				35						
				36						
				37						
				38						
				39						
				40						
				41						
				42						
				43						
				44						
				45						
									End of Core Upon completion, the borehole was converted into a monitoring well.	

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Project 500 Main Street				Project No. 140169801			
Location New Rochelle, New York				Elevation and Datum Assumed El. 79 NAVD-88			
Drilling Company SoilTesting Inc.				Date Started 10/13/17		Date Finished 10/13/17	
Drilling Equipment Tripod				Completion Depth 5 ft		Rock Depth 5 ft	
Size and Type of Bit N/A				Number of Samples 3		Disturbed	Undisturbed
Casing Diameter (in) N/A		Casing Depth (ft) N/A		Water Level (ft.) First ∇ 2.5		Completion ∇ 2.5	24 HR. ∇ 0.7
Casing Hammer N/A		Weight (lbs) N/A	Drop (in) N/A	Drilling Foreman Tommy Page			
Sampler 2" O.D. Split Spoon				Inspecting Engineer Justin Hall			
Sampler Hammer Safety		Weight (lbs) 140	Drop (in) 30				

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MATERIAL SYMBOL	Elev. (ft)	Sample Description	PID Reading (ppm)	Depth Scale	Sample Data				Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
					Number	Type	Recov. (in)	Penetr. resist. BL/in	
	+79.0	14-inch thick Concrete Slab		0					
	+77.8	Gray c-f SAND, sm. silt, sm. f-gravel [TILL] (wet)		1					
		Gray c-f SAND, sm. silt, sm. f-gravel [TILL] (wet)		2	S-1	SS	18	16 32	ENV SAMPLE SB-2 (2'-4') @ 13:30
		Gray c-f SAND, sm. silt, sm. f-gravel [TILL] (wet)		3				54 100/3	
	+74.0	Gray c-f SAND, sm. silt, sm. f-gravel [TILL] (wet)		4	S-2	SS	13	59 37	
		Gray c-f SAND, sm. silt, sm. f-gravel [TILL] (wet)		5	S-3	SS	2	38 52	Spoon Refusal @ 5'
				6					
				7					
				8					
				9					
				10					
				11					
				12					
				13					
				14					
				15					
				16					
				17					
				18					
				19					
				20					

ATTACHMENT B

**GROUNDWATER MONITORING WELL
CONSTRUCTION LOGS**

WELL CONSTRUCTION SUMMARY

Well No. SB-1 / MW-1

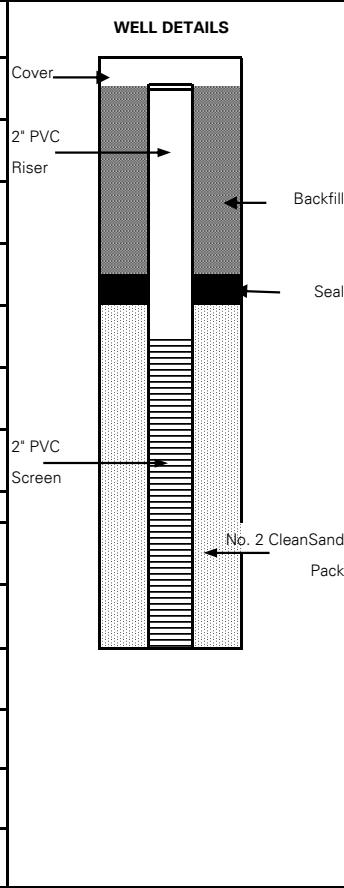
PROJECT 500 Main Street	PROJECT NO. 140169801
LOCATION 500 Main Street	ELEVATION AND DATUM 93 NAVD 88
DRILLING AGENCY SoilTesting Inc	DATE STARTED 10/12/2017 DATE FINISHED 10/12/2017
DRILLING EQUIPMENT Diedrich D-120	DRILLER Tommy Page
SIZE AND TYPE OF BIT 4-1/4" HAS	INSPECTOR Justin Hall

METHOD OF INSTALLATION

METHOD OF WELL DEVELOPMENT

TYPE OF CASING PVC	DIAMETER 2-inches	TYPE OF BACKFILL MATERIAL Clean Sand
TYPE OF SCREEN PVC	DIAMETER 2-inches	TYPE OF SEAL MATERIAL 3/8" Bentonite Chips
BOREHOLE DIAMETER 4-1/4"		TYPE OF FILTER MATERIAL Filpro Superior Quartz Filtration Media

	ELEVATION	DEPTH (ft)
TOP OF CURB BOX	el. 93	0
TOP OF BACKFILL	el. 29.5	0.6
TOP OF SEAL	el. 91	2
TOP OF FILTER	el. 89	4
TOP OF SCREEN	el. 86	7
BOTTOM OF SCREEN	el. 76	17
SCREEN LENGTH	10'	
SLOT SIZE	0.01	



SUMMARY SOIL CLASSIFICATION	DEPTH (FT)
Ground Surface	0.0
	17.0

GROUNDWATER ELEVATIONS		
DATE	ELEVATION	DEPTH TO WATER (ft)
10/13/2017	82.64	10.36

LANGAN CT, Inc.

WELL CONSTRUCTION SUMMARY

Well No. SB-2 / MW-2

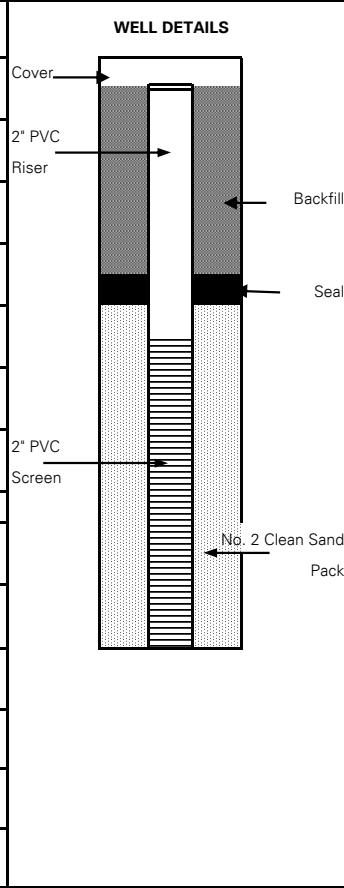
PROJECT 500 Main Street	PROJECT NO. 140169801
LOCATION 500 Main Street	ELEVATION AND DATUM 79 NAVD 88
DRILLING AGENCY SoilTesting Inc	DATE STARTED 10/13/2017 DATE FINISHED 10/13/2017
DRILLING EQUIPMENT Split Spoon Sampler	DRILLER Tommy Page
SIZE AND TYPE OF BIT N/A	INSPECTOR Justin Hall

METHOD OF INSTALLATION

METHOD OF WELL DEVELOPMENT

TYPE OF CASING PVC	DIAMETER 2-inches	TYPE OF BACKFILL MATERIAL Clean Sand
TYPE OF SCREEN PVC	DIAMETER 2-inches	TYPE OF SEAL MATERIAL Concrete
BOREHOLE DIAMETER 3-inch	TYPE OF FILTER MATERIAL No. 2 Clean Silica Sand	

	ELEVATION	DEPTH (ft)
TOP OF CURB BOX	el. 79	0
TOP OF BACKFILL	el. N/A	N/A
TOP OF SEAL	el. 78.66	4-inches
TOP OF FILTER	el. 78.33	8-inches
TOP OF SCREEN	el. 77.83	14-inches
BOTTOM OF SCREEN	el. 74	5
SCREEN LENGTH	4 feet	
SLOT SIZE	0.01	



SUMMARY SOIL CLASSIFICATION	DEPTH (FT)
Ground Surface	0.0
	5.0

GROUNDWATER ELEVATIONS		
DATE	ELEVATION	DEPTH TO WATER (ft)
10/13/2017	78.29	0.71

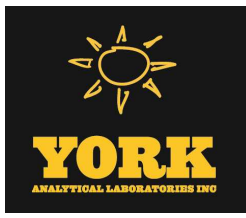
LANGAN CT, Inc.

ATTACHMENT C

GROUNDWATER LOW-FLOW SAMPLING LOGS

ATTACHMENT D

LABORATORY ANALYTICAL REPORTS WITH CHAIN OF CUSTODY DATA



Technical Report

prepared for:

Langan Engineering & Environmental Services (CT)

Long Wharf Maritime Center, 555 Long Wharf Drive

New Haven CT, 06511

Attention: Justin Hall

Report Date: 10/23/2017

Client Project ID: 140169801

York Project (SDG) No.: 17J0602

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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(203) 325-1371

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

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 10/23/2017
Client Project ID: 140169801
York Project (SDG) No.: 17J0602

Langan Engineering & Environmental Services (CT)
Long Wharf Maritime Center, 555 Long Wharf Drive
New Haven CT, 06511
Attention: Justin Hall

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 October 13, 2017 and listed below. The project was identified as your project: **140169801**.

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>
17J0602-01	SB-1 (10'-12')	Soil	10/12/2017	10/13/2017
17J0602-02	SB-2 (2'-4')	Soil	10/13/2017	10/13/2017
17J0602-03	Sump (0.5'-1')	Soil	10/13/2017	10/13/2017
17J0602-04	2017.10.13-DUPS1	Soil	10/13/2017	10/13/2017
17J0602-05	2017.10.13-TB01	Water	10/13/2017	10/13/2017

General Notes for York Project (SDG) No.: 17J0602

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: 10/23/2017





Sample Information

Client Sample ID: SB-1 (10'-12')

York Sample ID: 17J0602-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17J0602	140169801	Soil	October 12, 2017 11:15 am	10/13/2017

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 13:59	SR
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 13:59	SR
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 13:59	SR
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 13:59	SR
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 13:59	SR
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 13:59	SR
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 13:59	SR
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/18/2017 07:30	10/18/2017 13:59	SR
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/18/2017 07:30	10/18/2017 13:59	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/18/2017 07:30	10/18/2017 13:59	SR
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 13:59	SR
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 13:59	SR
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 13:59	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 13:59	SR
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 13:59	SR
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 13:59	SR
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 13:59	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 13:59	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 13:59	SR
123-91-1	1,4-Dioxane	ND		ug/kg dry	38	77	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/18/2017 07:30	10/18/2017 13:59	SR
78-93-3	2-Butanone	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 13:59	SR
591-78-6	2-Hexanone	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 13:59	SR



Sample Information

Client Sample ID: SB-1 (10'-12')

York Sample ID: 17J0602-01

<u>York Project (SDG) No.</u> 17J0602	<u>Client Project ID</u> 140169801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> October 12, 2017 11:15 am	<u>Date Received</u> 10/13/2017
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Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 13:59	SR
67-64-1	Acetone	ND		ug/kg dry	3.8	7.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 13:59	SR
107-02-8	Acrolein	ND		ug/kg dry	3.8	7.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 13:59	SR
107-13-1	Acrylonitrile	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 13:59	SR
71-43-2	Benzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 13:59	SR
74-97-5	Bromochloromethane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/18/2017 07:30	10/18/2017 13:59	SR
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 13:59	SR
75-25-2	Bromoform	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 13:59	SR
74-83-9	Bromomethane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 13:59	SR
75-15-0	Carbon disulfide	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 13:59	SR
56-23-5	Carbon tetrachloride	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 13:59	SR
108-90-7	Chlorobenzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 13:59	SR
75-00-3	Chloroethane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 13:59	SR
67-66-3	Chloroform	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 13:59	SR
74-87-3	Chloromethane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 13:59	SR
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 13:59	SR
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 13:59	SR
110-82-7	Cyclohexane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/18/2017 07:30	10/18/2017 13:59	SR
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/18/2017 07:30	10/18/2017 13:59	SR
74-95-3	Dibromomethane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/18/2017 07:30	10/18/2017 13:59	SR
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/18/2017 07:30	10/18/2017 13:59	SR
100-41-4	Ethyl Benzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 13:59	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/18/2017 07:30	10/18/2017 13:59	SR



Sample Information

Client Sample ID: SB-1 (10'-12')

York Sample ID: 17J0602-01

<u>York Project (SDG) No.</u> 17J0602	<u>Client Project ID</u> 140169801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> October 12, 2017 11:15 am	<u>Date Received</u> 10/13/2017
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Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-82-8	Isopropylbenzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 13:59	SR
79-20-9	Methyl acetate	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/18/2017 07:30	10/18/2017 13:59	SR
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 13:59	SR
108-87-2	Methylcyclohexane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/18/2017 07:30	10/18/2017 13:59	SR
75-09-2	Methylene chloride	ND		ug/kg dry	3.8	7.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 13:59	SR
104-51-8	n-Butylbenzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 13:59	SR
103-65-1	n-Propylbenzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 13:59	SR
95-47-6	o-Xylene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NELAC-NY10854	10/18/2017 07:30	10/18/2017 13:59	SR
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	3.8	7.7	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NELAC-NY10854	10/18/2017 07:30	10/18/2017 13:59	SR
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 13:59	SR
135-98-8	sec-Butylbenzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 13:59	SR
100-42-5	Styrene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 13:59	SR
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/18/2017 07:30	10/18/2017 13:59	SR
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 13:59	SR
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 13:59	SR
108-88-3	Toluene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 13:59	SR
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 13:59	SR
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 13:59	SR
79-01-6	Trichloroethylene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 13:59	SR
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 13:59	SR
75-01-4	Vinyl Chloride	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 13:59	SR
1330-20-7	Xylenes, Total	ND		ug/kg dry	5.8	12	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 13:59	SR

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	113 %	77-125
2037-26-5	Surrogate: Toluene-d8	99.3 %	85-120



Sample Information

Client Sample ID: SB-1 (10'-12')

York Sample ID: 17J0602-01

<u>York Project (SDG) No.</u> 17J0602	<u>Client Project ID</u> 140169801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> October 12, 2017 11:15 am	<u>Date Received</u> 10/13/2017
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Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
460-00-4	Surrogate: <i>p</i> -Bromofluorobenzene	93.9 %			76-130						

Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications: NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 10:17	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	92.0	184	2	EPA 8270D Certifications: NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 10:17	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 10:17	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications: NELAC-NY10854-CT,PADEP	10/19/2017 07:40	10/20/2017 10:17	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications: NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 10:17	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications: NELAC-NY10854-CT,PADEP	10/19/2017 07:40	10/20/2017 10:17	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications: NELAC-NY10854-CT,PADEP	10/19/2017 07:40	10/20/2017 10:17	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	92.0	184	2	EPA 8270D Certifications: NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 10:17	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 10:17	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 10:17	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 10:17	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 10:17	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	92.0	184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 10:17	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 10:17	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 10:17	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 10:17	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 10:17	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 10:17	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 10:17	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	92.0	184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 10:17	KH



Sample Information

Client Sample ID: SB-1 (10'-12')

York Sample ID: 17J0602-01

<u>York Project (SDG) No.</u> 17J0602	<u>Client Project ID</u> 140169801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> October 12, 2017 11:15 am	<u>Date Received</u> 10/13/2017
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Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
88-75-5	2-Nitrophenol	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 10:17	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 10:17	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications: NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 10:17	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	92.0	184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 10:17	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	92.0	184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 10:17	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 10:17	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 10:17	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 10:17	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 10:17	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	92.0	184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 10:17	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	92.0	184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 10:17	KH
83-32-9	Acenaphthene	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 10:17	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 10:17	KH
98-86-2	Acetophenone	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications: NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 10:17	KH
62-53-3	Aniline	ND		ug/kg dry	184	368	2	EPA 8270D Certifications: NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 10:17	KH
120-12-7	Anthracene	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 10:17	KH
1912-24-9	Atrazine	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications: NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 10:17	KH
100-52-7	Benzaldehyde	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications: NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 10:17	KH
92-87-5	Benzidine	ND		ug/kg dry	184	368	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,PADEP	10/19/2017 07:40	10/20/2017 10:17	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 10:17	KH
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 10:17	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 10:17	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 10:17	KH



Sample Information

Client Sample ID: SB-1 (10'-12')

York Sample ID: 17J0602-01

<u>York Project (SDG) No.</u> 17J0602	<u>Client Project ID</u> 140169801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> October 12, 2017 11:15 am	<u>Date Received</u> 10/13/2017
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Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 10:17	KH
65-85-0	Benzoic acid	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications: NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 10:17	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications: NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 10:17	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 10:17	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 10:17	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 10:17	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 10:17	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 10:17	KH
105-60-2	Caprolactam	ND		ug/kg dry	92.0	184	2	EPA 8270D Certifications: NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 10:17	KH
86-74-8	Carbazole	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 10:17	KH
218-01-9	Chrysene	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 10:17	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 10:17	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 10:17	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 10:17	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 10:17	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 10:17	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 10:17	KH
206-44-0	Fluoranthene	80.2	J	ug/kg dry	46.1	92.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 10:17	KH
86-73-7	Fluorene	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications: NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 10:17	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 10:17	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 10:17	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 10:17	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 10:17	KH



Sample Information

Client Sample ID: SB-1 (10'-12')

York Sample ID: 17J0602-01

<u>York Project (SDG) No.</u> 17J0602	<u>Client Project ID</u> 140169801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> October 12, 2017 11:15 am	<u>Date Received</u> 10/13/2017
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Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 10:17	KH
78-59-1	Isophorone	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 10:17	KH
91-20-3	Naphthalene	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 10:17	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 10:17	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 10:17	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 10:17	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 10:17	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 10:17	KH
85-01-8	Phenanthrene	59.6	J	ug/kg dry	46.1	92.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 10:17	KH
108-95-2	Phenol	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 10:17	KH
129-00-0	Pyrene	58.1	J	ug/kg dry	46.1	92.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 10:17	KH
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: 2-Fluorophenol	63.6 %			20-108						
4165-62-2	Surrogate: Phenol-d5	77.0 %			23-114						
4165-60-0	Surrogate: Nitrobenzene-d5	48.1 %			22-108						
321-60-8	Surrogate: 2-Fluorobiphenyl	55.1 %			21-113						
118-79-6	Surrogate: 2,4,6-Tribromophenol	59.6 %			19-110						
1718-51-0	Surrogate: Terphenyl-d14	50.0 %			24-116						

Metals, NYSDEC Part 375

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
7440-38-2	Arsenic	ND		mg/kg dry	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 11:09	10/19/2017 06:21	KML
7440-39-3	Barium	81.4		mg/kg dry	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 11:09	10/19/2017 06:21	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.110	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 11:09	10/19/2017 06:21	KML
7440-43-9	Cadmium	ND		mg/kg dry	0.331	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 11:09	10/19/2017 06:21	KML
7440-47-3	Chromium	21.9		mg/kg dry	0.552	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 11:09	10/19/2017 06:21	KML



Sample Information

Client Sample ID: SB-1 (10'-12')

York Sample ID: 17J0602-01

<u>York Project (SDG) No.</u> 17J0602	<u>Client Project ID</u> 140169801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> October 12, 2017 11:15 am	<u>Date Received</u> 10/13/2017
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Metals, NYSDEC Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-50-8	Copper	22.7		mg/kg dry	0.552	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 11:09	10/19/2017 06:21	KML
7439-92-1	Lead	7.58		mg/kg dry	0.552	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 11:09	10/19/2017 06:21	KML
7439-96-5	Manganese	765		mg/kg dry	0.552	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 11:09	10/19/2017 06:21	KML
7440-02-0	Nickel	29.9		mg/kg dry	0.552	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 11:09	10/19/2017 06:21	KML
7782-49-2	Selenium	1.54		mg/kg dry	1.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 11:09	10/19/2017 06:21	KML
7440-22-4	Silver	ND		mg/kg dry	0.552	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 11:09	10/19/2017 06:21	KML
7440-66-6	Zinc	30.8	B	mg/kg dry	1.65	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 11:09	10/19/2017 06:21	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	ND		mg/kg dry	0.0331	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854-CT,PADEP	10/16/2017 15:01	10/16/2017 18:15	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	90.7		%	0.100	1	SM 2540G Certifications: CTDOH	10/20/2017 10:02	10/20/2017 14:13	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-CT,PADEP	10/20/2017 08:42	10/20/2017 13:38	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	21.9		mg/kg	0.500	1	Calculation Certifications:	10/20/2017 12:14	10/20/2017 15:07	PAM



Sample Information

Client Sample ID: SB-1 (10'-12')

York Sample ID: 17J0602-01

<u>York Project (SDG) No.</u> 17J0602	<u>Client Project ID</u> 140169801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> October 12, 2017 11:15 am	<u>Date Received</u> 10/13/2017
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Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.552	1	EPA 9014/9010C Certifications: NELAC-NY10854-CT,CTDOH,NJDEP,PADEP	10/20/2017 08:28	10/20/2017 15:36	AD

Sample Information

Client Sample ID: SB-2 (2'-4')

York Sample ID: 17J0602-02

<u>York Project (SDG) No.</u> 17J0602	<u>Client Project ID</u> 140169801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> October 13, 2017 1:30 pm	<u>Date Received</u> 10/13/2017
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Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 14:32	SR
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 14:32	SR
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 14:32	SR
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 14:32	SR
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 14:32	SR
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 14:32	SR
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 14:32	SR
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/18/2017 07:30	10/18/2017 14:32	SR
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/18/2017 07:30	10/18/2017 14:32	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/18/2017 07:30	10/18/2017 14:32	SR
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 14:32	SR
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 14:32	SR
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 14:32	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 14:32	SR
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 14:32	SR



Sample Information

Client Sample ID: SB-2 (2'-4')

York Sample ID: 17J0602-02

<u>York Project (SDG) No.</u> 17J0602	<u>Client Project ID</u> 140169801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> October 13, 2017 1:30 pm	<u>Date Received</u> 10/13/2017
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Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 14:32	SR
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 14:32	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 14:32	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 14:32	SR
123-91-1	1,4-Dioxane	ND		ug/kg dry	38	76	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/18/2017 07:30	10/18/2017 14:32	SR
78-93-3	2-Butanone	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 14:32	SR
591-78-6	2-Hexanone	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 14:32	SR
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 14:32	SR
67-64-1	Acetone	29		ug/kg dry	3.8	7.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 14:32	SR
107-02-8	Acrolein	ND		ug/kg dry	3.8	7.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 14:32	SR
107-13-1	Acrylonitrile	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 14:32	SR
71-43-2	Benzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 14:32	SR
74-97-5	Bromochloromethane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/18/2017 07:30	10/18/2017 14:32	SR
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 14:32	SR
75-25-2	Bromoform	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 14:32	SR
74-83-9	Bromomethane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 14:32	SR
75-15-0	Carbon disulfide	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 14:32	SR
56-23-5	Carbon tetrachloride	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 14:32	SR
108-90-7	Chlorobenzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 14:32	SR
75-00-3	Chloroethane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 14:32	SR
67-66-3	Chloroform	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 14:32	SR
74-87-3	Chloromethane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 14:32	SR
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 14:32	SR



Sample Information

Client Sample ID: SB-2 (2'-4')

York Sample ID: 17J0602-02

<u>York Project (SDG) No.</u> 17J0602	<u>Client Project ID</u> 140169801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> October 13, 2017 1:30 pm	<u>Date Received</u> 10/13/2017
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Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 14:32	SR
110-82-7	Cyclohexane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/18/2017 07:30	10/18/2017 14:32	SR
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/18/2017 07:30	10/18/2017 14:32	SR
74-95-3	Dibromomethane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/18/2017 07:30	10/18/2017 14:32	SR
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/18/2017 07:30	10/18/2017 14:32	SR
100-41-4	Ethyl Benzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 14:32	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/18/2017 07:30	10/18/2017 14:32	SR
98-82-8	Isopropylbenzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 14:32	SR
79-20-9	Methyl acetate	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/18/2017 07:30	10/18/2017 14:32	SR
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 14:32	SR
108-87-2	Methylcyclohexane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/18/2017 07:30	10/18/2017 14:32	SR
75-09-2	Methylene chloride	ND		ug/kg dry	3.8	7.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 14:32	SR
104-51-8	n-Butylbenzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 14:32	SR
103-65-1	n-Propylbenzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 14:32	SR
95-47-6	o-Xylene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NELAC-NY10854	10/18/2017 07:30	10/18/2017 14:32	SR
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	3.8	7.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NELAC-NY10854	10/18/2017 07:30	10/18/2017 14:32	SR
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 14:32	SR
135-98-8	sec-Butylbenzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 14:32	SR
100-42-5	Styrene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 14:32	SR
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/18/2017 07:30	10/18/2017 14:32	SR
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 14:32	SR
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 14:32	SR
108-88-3	Toluene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 14:32	SR



Sample Information

Client Sample ID: SB-2 (2'-4')

York Sample ID: 17J0602-02

<u>York Project (SDG) No.</u> 17J0602	<u>Client Project ID</u> 140169801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> October 13, 2017 1:30 pm	<u>Date Received</u> 10/13/2017
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Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 14:32	SR
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 14:32	SR
79-01-6	Trichloroethylene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 14:32	SR
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 14:32	SR
75-01-4	Vinyl Chloride	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 14:32	SR
1330-20-7	Xylenes, Total	ND		ug/kg dry	5.7	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 14:32	SR
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	112 %			77-125						
2037-26-5	Surrogate: Toluene-d8	97.4 %			85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	92.0 %			76-130						

Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications: NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:07	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	93.0	186	2	EPA 8270D Certifications: NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:07	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:07	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications: NELAC-NY10854-CT,PADEP	10/19/2017 07:40	10/20/2017 11:07	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications: NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:07	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications: NELAC-NY10854-CT,PADEP	10/19/2017 07:40	10/20/2017 11:07	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications: NELAC-NY10854-CT,PADEP	10/19/2017 07:40	10/20/2017 11:07	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	93.0	186	2	EPA 8270D Certifications: NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:07	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:07	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:07	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:07	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:07	KH



Sample Information

Client Sample ID: SB-2 (2'-4')

York Sample ID: 17J0602-02

<u>York Project (SDG) No.</u> 17J0602	<u>Client Project ID</u> 140169801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> October 13, 2017 1:30 pm	<u>Date Received</u> 10/13/2017
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Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	93.0	186	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:07	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:07	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:07	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:07	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:07	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:07	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:07	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	93.0	186	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:07	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:07	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:07	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications: NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:07	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	93.0	186	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:07	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	93.0	186	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:07	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:07	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:07	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:07	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:07	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	93.0	186	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:07	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	93.0	186	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:07	KH
83-32-9	Acenaphthene	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:07	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:07	KH
98-86-2	Acetophenone	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications: NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:07	KH
62-53-3	Aniline	ND		ug/kg dry	186	372	2	EPA 8270D Certifications: NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:07	KH



Sample Information

Client Sample ID: SB-2 (2'-4')

York Sample ID: 17J0602-02

<u>York Project (SDG) No.</u> 17J0602	<u>Client Project ID</u> 140169801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> October 13, 2017 1:30 pm	<u>Date Received</u> 10/13/2017
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Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-12-7	Anthracene	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:07	KH
1912-24-9	Atrazine	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications: NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:07	KH
100-52-7	Benzaldehyde	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications: NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:07	KH
92-87-5	Benzidine	ND		ug/kg dry	186	372	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,PADEP	10/19/2017 07:40	10/20/2017 11:07	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:07	KH
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:07	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:07	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:07	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:07	KH
65-85-0	Benzoic acid	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications: NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:07	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications: NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:07	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:07	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:07	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:07	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:07	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:07	KH
105-60-2	Caprolactam	ND		ug/kg dry	93.0	186	2	EPA 8270D Certifications: NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:07	KH
86-74-8	Carbazole	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:07	KH
218-01-9	Chrysene	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:07	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:07	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:07	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:07	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:07	KH



Sample Information

Client Sample ID: SB-2 (2'-4')

York Sample ID: 17J0602-02

<u>York Project (SDG) No.</u> 17J0602	<u>Client Project ID</u> 140169801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> October 13, 2017 1:30 pm	<u>Date Received</u> 10/13/2017
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Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:07	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:07	KH
206-44-0	Fluoranthene	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:07	KH
86-73-7	Fluorene	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications: NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:07	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:07	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:07	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:07	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:07	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:07	KH
78-59-1	Isophorone	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:07	KH
91-20-3	Naphthalene	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:07	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:07	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:07	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:07	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:07	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:07	KH
85-01-8	Phenanthrene	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:07	KH
108-95-2	Phenol	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:07	KH
129-00-0	Pyrene	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:07	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	Surrogate: 2-Fluorophenol	46.0 %	20-108
4165-62-2	Surrogate: Phenol-d5	59.0 %	23-114
4165-60-0	Surrogate: Nitrobenzene-d5	40.4 %	22-108
321-60-8	Surrogate: 2-Fluorobiphenyl	42.0 %	21-113
118-79-6	Surrogate: 2,4,6-Tribromophenol	48.5 %	19-110
1718-51-0	Surrogate: Terphenyl-d14	40.3 %	24-116



Sample Information

Client Sample ID: SB-2 (2'-4')

York Sample ID: 17J0602-02

<u>York Project (SDG) No.</u> 17J0602	<u>Client Project ID</u> 140169801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> October 13, 2017 1:30 pm	<u>Date Received</u> 10/13/2017
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Metals, NYSDEC Part 375

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
7440-38-2	Arsenic	1.27		mg/kg dry	1.12	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 11:09	10/19/2017 06:26	KML
7440-39-3	Barium	54.1		mg/kg dry	1.12	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 11:09	10/19/2017 06:26	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.112	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 11:09	10/19/2017 06:26	KML
7440-43-9	Cadmium	ND		mg/kg dry	0.335	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 11:09	10/19/2017 06:26	KML
7440-47-3	Chromium	16.3		mg/kg dry	0.558	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 11:09	10/19/2017 06:26	KML
7440-50-8	Copper	14.9		mg/kg dry	0.558	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 11:09	10/19/2017 06:26	KML
7439-92-1	Lead	3.42		mg/kg dry	0.558	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 11:09	10/19/2017 06:26	KML
7439-96-5	Manganese	386		mg/kg dry	0.558	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 11:09	10/19/2017 06:26	KML
7440-02-0	Nickel	16.7		mg/kg dry	0.558	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 11:09	10/19/2017 06:26	KML
7782-49-2	Selenium	2.14		mg/kg dry	1.12	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 11:09	10/19/2017 06:26	KML
7440-22-4	Silver	ND		mg/kg dry	0.558	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 11:09	10/19/2017 06:26	KML
7440-66-6	Zinc	21.7	B	mg/kg dry	1.67	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 11:09	10/19/2017 06:26	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	ND		mg/kg dry	0.0335	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854-CT,PADEP	10/16/2017 15:01	10/16/2017 18:22	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	89.7		%	0.100	1	SM 2540G Certifications: CTDOH	10/20/2017 10:02	10/20/2017 14:13	TAJ

Chromium, Hexavalent

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: SB-2 (2'-4')

York Sample ID: 17J0602-02

<u>York Project (SDG) No.</u> 17J0602	<u>Client Project ID</u> 140169801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> October 13, 2017 1:30 pm	<u>Date Received</u> 10/13/2017
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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	0.558	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854-CT,PADEP	10/20/2017 08:42	10/20/2017 13:38	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	16.3		mg/kg	0.500	1	Calculation Certifications:	10/20/2017 12:14	10/20/2017 15:07	PAM

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.558	1	EPA 9014/9010C Certifications: NELAC-NY10854-CT,CTDOH,NJDEP,PADEP	10/20/2017 08:28	10/20/2017 15:36	AD

Sample Information

Client Sample ID: Sump (0.5'-1')

York Sample ID: 17J0602-03

<u>York Project (SDG) No.</u> 17J0602	<u>Client Project ID</u> 140169801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> October 13, 2017 1:00 pm	<u>Date Received</u> 10/13/2017
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Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/19/2017 07:30	10/19/2017 17:25	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/19/2017 07:30	10/19/2017 17:25	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/19/2017 07:30	10/19/2017 17:25	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/19/2017 07:30	10/19/2017 17:25	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/19/2017 07:30	10/19/2017 17:25	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/19/2017 07:30	10/19/2017 17:25	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/19/2017 07:30	10/19/2017 17:25	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/19/2017 07:30	10/19/2017 17:25	SS



Sample Information

Client Sample ID: Sump (0.5'-1')

York Sample ID: 17J0602-03

<u>York Project (SDG) No.</u> 17J0602	<u>Client Project ID</u> 140169801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> October 13, 2017 1:00 pm	<u>Date Received</u> 10/13/2017
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Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/19/2017 07:30	10/19/2017 17:25	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/19/2017 07:30	10/19/2017 17:25	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/19/2017 07:30	10/19/2017 17:25	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/19/2017 07:30	10/19/2017 17:25	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/19/2017 07:30	10/19/2017 17:25	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/19/2017 07:30	10/19/2017 17:25	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/19/2017 07:30	10/19/2017 17:25	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/19/2017 07:30	10/19/2017 17:25	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/19/2017 07:30	10/19/2017 17:25	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/19/2017 07:30	10/19/2017 17:25	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/19/2017 07:30	10/19/2017 17:25	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	55	110	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/19/2017 07:30	10/19/2017 17:25	SS
78-93-3	2-Butanone	4.2	J	ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/19/2017 07:30	10/19/2017 17:25	SS
591-78-6	2-Hexanone	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/19/2017 07:30	10/19/2017 17:25	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/19/2017 07:30	10/19/2017 17:25	SS
67-64-1	Acetone	49	SCAL-E	ug/kg dry	5.5	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/19/2017 07:30	10/19/2017 17:25	SS
107-02-8	Acrolein	ND		ug/kg dry	5.5	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/19/2017 07:30	10/19/2017 17:25	SS
107-13-1	Acrylonitrile	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/19/2017 07:30	10/19/2017 17:25	SS
71-43-2	Benzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/19/2017 07:30	10/19/2017 17:25	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/19/2017 07:30	10/19/2017 17:25	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/19/2017 07:30	10/19/2017 17:25	SS
75-25-2	Bromoform	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/19/2017 07:30	10/19/2017 17:25	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/19/2017 07:30	10/19/2017 17:25	SS



Sample Information

Client Sample ID: Sump (0.5'-1')

York Sample ID: 17J0602-03

<u>York Project (SDG) No.</u> 17J0602	<u>Client Project ID</u> 140169801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> October 13, 2017 1:00 pm	<u>Date Received</u> 10/13/2017
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Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-15-0	Carbon disulfide	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/19/2017 07:30	10/19/2017 17:25	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/19/2017 07:30	10/19/2017 17:25	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/19/2017 07:30	10/19/2017 17:25	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/19/2017 07:30	10/19/2017 17:25	SS
67-66-3	Chloroform	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/19/2017 07:30	10/19/2017 17:25	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/19/2017 07:30	10/19/2017 17:25	SS
156-59-2	cis-1,2-Dichloroethylene	5.4	J	ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/19/2017 07:30	10/19/2017 17:25	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/19/2017 07:30	10/19/2017 17:25	SS
110-82-7	Cyclohexane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/19/2017 07:30	10/19/2017 17:25	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/19/2017 07:30	10/19/2017 17:25	SS
74-95-3	Dibromomethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/19/2017 07:30	10/19/2017 17:25	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/19/2017 07:30	10/19/2017 17:25	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/19/2017 07:30	10/19/2017 17:25	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/19/2017 07:30	10/19/2017 17:25	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/19/2017 07:30	10/19/2017 17:25	SS
79-20-9	Methyl acetate	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/19/2017 07:30	10/19/2017 17:25	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/19/2017 07:30	10/19/2017 17:25	SS
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/19/2017 07:30	10/19/2017 17:25	SS
75-09-2	Methylene chloride	ND		ug/kg dry	5.5	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/19/2017 07:30	10/19/2017 17:25	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/19/2017 07:30	10/19/2017 17:25	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/19/2017 07:30	10/19/2017 17:25	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NELAC-NY10854	10/19/2017 07:30	10/19/2017 17:25	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.5	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NELAC-NY10854	10/19/2017 07:30	10/19/2017 17:25	SS



Sample Information

Client Sample ID: Sump (0.5'-1')

York Sample ID: 17J0602-03

<u>York Project (SDG) No.</u> 17J0602	<u>Client Project ID</u> 140169801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> October 13, 2017 1:00 pm	<u>Date Received</u> 10/13/2017
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Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/19/2017 07:30	10/19/2017 17:25	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/19/2017 07:30	10/19/2017 17:25	SS
100-42-5	Styrene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/19/2017 07:30	10/19/2017 17:25	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/19/2017 07:30	10/19/2017 17:25	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/19/2017 07:30	10/19/2017 17:25	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/19/2017 07:30	10/19/2017 17:25	SS
108-88-3	Toluene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/19/2017 07:30	10/19/2017 17:25	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/19/2017 07:30	10/19/2017 17:25	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/19/2017 07:30	10/19/2017 17:25	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/19/2017 07:30	10/19/2017 17:25	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/19/2017 07:30	10/19/2017 17:25	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/19/2017 07:30	10/19/2017 17:25	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	8.3	17	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/19/2017 07:30	10/19/2017 17:25	SS

Surrogate Recoveries

Result

Acceptance Range

17060-07-0	Surrogate: 1,2-Dichloroethane-d4	119 %	77-125
2037-26-5	Surrogate: Toluene-d8	105 %	85-120
460-00-4	Surrogate: p-Bromofluorobenzene	119 %	76-130

Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:56	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	109	218	2	EPA 8270D Certifications: NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:56	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:56	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: NELAC-NY10854-CT,PADEP	10/19/2017 07:40	10/20/2017 11:56	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:56	KH



Sample Information

Client Sample ID: Sump (0.5'-1')

York Sample ID: 17J0602-03

<u>York Project (SDG) No.</u> 17J0602	<u>Client Project ID</u> 140169801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> October 13, 2017 1:00 pm	<u>Date Received</u> 10/13/2017
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Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: NELAC-NY10854-CT,PADEP	10/19/2017 07:40	10/20/2017 11:56	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: NELAC-NY10854-CT,PADEP	10/19/2017 07:40	10/20/2017 11:56	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	109	218	2	EPA 8270D Certifications: NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:56	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:56	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:56	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:56	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:56	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	109	218	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:56	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:56	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:56	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:56	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:56	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:56	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:56	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	109	218	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:56	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:56	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:56	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:56	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	109	218	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:56	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	109	218	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:56	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:56	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:56	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:56	KH



Sample Information

Client Sample ID: Sump (0.5'-1')

York Sample ID: 17J0602-03

<u>York Project (SDG) No.</u> 17J0602	<u>Client Project ID</u> 140169801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> October 13, 2017 1:00 pm	<u>Date Received</u> 10/13/2017
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Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:56	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	109	218	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:56	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	109	218	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:56	KH
83-32-9	Acenaphthene	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:56	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:56	KH
98-86-2	Acetophenone	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:56	KH
62-53-3	Aniline	ND		ug/kg dry	218	437	2	EPA 8270D Certifications: NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:56	KH
120-12-7	Anthracene	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:56	KH
1912-24-9	Atrazine	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:56	KH
100-52-7	Benzaldehyde	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:56	KH
92-87-5	Benzidine	ND		ug/kg dry	218	437	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,PADEP	10/19/2017 07:40	10/20/2017 11:56	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:56	KH
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:56	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:56	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:56	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:56	KH
65-85-0	Benzoic acid	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:56	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:56	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:56	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:56	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:56	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:56	KH
117-81-7	Bis(2-ethylhexyl)phthalate	4380		ug/kg dry	137	273	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/23/2017 10:37	KH



Sample Information

Client Sample ID: Sump (0.5'-1')

York Sample ID: 17J0602-03

<u>York Project (SDG) No.</u> 17J0602	<u>Client Project ID</u> 140169801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> October 13, 2017 1:00 pm	<u>Date Received</u> 10/13/2017
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Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
105-60-2	Caprolactam	ND		ug/kg dry	109	218	2	EPA 8270D Certifications: NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:56	KH
86-74-8	Carbazole	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:56	KH
218-01-9	Chrysene	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:56	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:56	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:56	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:56	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:56	KH
84-74-2	Di-n-butyl phthalate	98.5	J	ug/kg dry	54.7	109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:56	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:56	KH
206-44-0	Fluoranthene	76.7	J	ug/kg dry	54.7	109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:56	KH
86-73-7	Fluorene	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:56	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:56	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:56	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:56	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:56	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:56	KH
78-59-1	Isophorone	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:56	KH
91-20-3	Naphthalene	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:56	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:56	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:56	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:56	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:56	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:56	KH



Sample Information

Client Sample ID: Sump (0.5'-1')

York Sample ID: 17J0602-03

<u>York Project (SDG) No.</u> 17J0602	<u>Client Project ID</u> 140169801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> October 13, 2017 1:00 pm	<u>Date Received</u> 10/13/2017
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Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-01-8	Phenanthrene	69.7	J	ug/kg dry	54.7	109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:56	KH
108-95-2	Phenol	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:56	KH
129-00-0	Pyrene	173		ug/kg dry	54.7	109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 11:56	KH
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: 2-Fluorophenol	76.6 %			20-108						
4165-62-2	Surrogate: Phenol-d5	88.5 %			23-114						
4165-60-0	Surrogate: Nitrobenzene-d5	63.1 %			22-108						
321-60-8	Surrogate: 2-Fluorobiphenyl	59.8 %			21-113						
118-79-6	Surrogate: 2,4,6-Tribromophenol	70.7 %			19-110						
1718-51-0	Surrogate: Terphenyl-d14	45.0 %			24-116						

Metals, NYSDEC Part 375

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
7440-38-2	Arsenic	4.43		mg/kg dry	1.31	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 11:09	10/19/2017 06:31	KML
7440-39-3	Barium	217		mg/kg dry	1.31	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 11:09	10/19/2017 06:31	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.131	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 11:09	10/19/2017 06:31	KML
7440-43-9	Cadmium	1.45		mg/kg dry	0.392	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 11:09	10/19/2017 06:31	KML
7440-47-3	Chromium	26.6		mg/kg dry	0.654	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 11:09	10/19/2017 06:31	KML
7440-50-8	Copper	187		mg/kg dry	0.654	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 11:09	10/19/2017 06:31	KML
7439-92-1	Lead	140		mg/kg dry	0.654	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 11:09	10/19/2017 06:31	KML
7439-96-5	Manganese	604		mg/kg dry	0.654	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 11:09	10/19/2017 06:31	KML
7440-02-0	Nickel	29.2		mg/kg dry	0.654	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 11:09	10/19/2017 06:31	KML
7782-49-2	Selenium	5.16		mg/kg dry	1.31	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 11:09	10/19/2017 06:31	KML
7440-22-4	Silver	ND		mg/kg dry	0.654	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 11:09	10/19/2017 06:31	KML
7440-66-6	Zinc	594	B	mg/kg dry	1.96	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 11:09	10/19/2017 06:31	KML



Sample Information

Client Sample ID: Sump (0.5'-1')

York Sample ID: 17J0602-03

<u>York Project (SDG) No.</u> 17J0602	<u>Client Project ID</u> 140169801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> October 13, 2017 1:00 pm	<u>Date Received</u> 10/13/2017
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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	0.375		mg/kg dry	0.0392	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854-CT,PADEP	10/16/2017 15:01	10/16/2017 18:31	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	76.5		%	0.100	1	SM 2540G Certifications: CTDOH	10/20/2017 10:02	10/20/2017 14:13	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	0.654	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854-CT,PADEP	10/20/2017 08:42	10/20/2017 13:38	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	26.6		mg/kg	0.500	1	Calculation Certifications:	10/20/2017 12:14	10/20/2017 15:07	PAM

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.654	1	EPA 9014/9010C Certifications: NELAC-NY10854-CT,CTDOH,NJDEP,PADEP	10/20/2017 08:28	10/20/2017 15:36	AD

Sample Information

Client Sample ID: 2017.10.13-DUPS1

York Sample ID: 17J0602-04

<u>York Project (SDG) No.</u> 17J0602	<u>Client Project ID</u> 140169801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> October 13, 2017 12:00 am	<u>Date Received</u> 10/13/2017
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Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: 2017.10.13-DUPS1

York Sample ID: 17J0602-04

<u>York Project (SDG) No.</u> 17J0602	<u>Client Project ID</u> 140169801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> October 13, 2017 12:00 am	<u>Date Received</u> 10/13/2017
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Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 15:39	SR
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 15:39	SR
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 15:39	SR
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 15:39	SR
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 15:39	SR
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 15:39	SR
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 15:39	SR
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/18/2017 07:30	10/18/2017 15:39	SR
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/18/2017 07:30	10/18/2017 15:39	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/18/2017 07:30	10/18/2017 15:39	SR
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 15:39	SR
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 15:39	SR
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 15:39	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 15:39	SR
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 15:39	SR
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 15:39	SR
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 15:39	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 15:39	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 15:39	SR
123-91-1	1,4-Dioxane	ND		ug/kg dry	36	71	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/18/2017 07:30	10/18/2017 15:39	SR
78-93-3	2-Butanone	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 15:39	SR
591-78-6	2-Hexanone	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 15:39	SR
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 15:39	SR
67-64-1	Acetone	21		ug/kg dry	3.6	7.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 15:39	SR



Sample Information

Client Sample ID: 2017.10.13-DUPS1

York Sample ID: 17J0602-04

<u>York Project (SDG) No.</u> 17J0602	<u>Client Project ID</u> 140169801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> October 13, 2017 12:00 am	<u>Date Received</u> 10/13/2017
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Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-02-8	Acrolein	ND		ug/kg dry	3.6	7.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 15:39	SR
107-13-1	Acrylonitrile	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 15:39	SR
71-43-2	Benzene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 15:39	SR
74-97-5	Bromochloromethane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/18/2017 07:30	10/18/2017 15:39	SR
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 15:39	SR
75-25-2	Bromoform	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 15:39	SR
74-83-9	Bromomethane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 15:39	SR
75-15-0	Carbon disulfide	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 15:39	SR
56-23-5	Carbon tetrachloride	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 15:39	SR
108-90-7	Chlorobenzene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 15:39	SR
75-00-3	Chloroethane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 15:39	SR
67-66-3	Chloroform	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 15:39	SR
74-87-3	Chloromethane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 15:39	SR
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 15:39	SR
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 15:39	SR
110-82-7	Cyclohexane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/18/2017 07:30	10/18/2017 15:39	SR
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/18/2017 07:30	10/18/2017 15:39	SR
74-95-3	Dibromomethane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/18/2017 07:30	10/18/2017 15:39	SR
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/18/2017 07:30	10/18/2017 15:39	SR
100-41-4	Ethyl Benzene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 15:39	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/18/2017 07:30	10/18/2017 15:39	SR
98-82-8	Isopropylbenzene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 15:39	SR
79-20-9	Methyl acetate	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/18/2017 07:30	10/18/2017 15:39	SR



Sample Information

Client Sample ID: 2017.10.13-DUPS1

York Sample ID: 17J0602-04

<u>York Project (SDG) No.</u> 17J0602	<u>Client Project ID</u> 140169801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> October 13, 2017 12:00 am	<u>Date Received</u> 10/13/2017
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Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 15:39	SR
108-87-2	Methylcyclohexane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/18/2017 07:30	10/18/2017 15:39	SR
75-09-2	Methylene chloride	ND		ug/kg dry	3.6	7.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 15:39	SR
104-51-8	n-Butylbenzene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 15:39	SR
103-65-1	n-Propylbenzene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 15:39	SR
95-47-6	o-Xylene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NELAC-NY10854	10/18/2017 07:30	10/18/2017 15:39	SR
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	3.6	7.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NELAC-NY10854	10/18/2017 07:30	10/18/2017 15:39	SR
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 15:39	SR
135-98-8	sec-Butylbenzene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 15:39	SR
100-42-5	Styrene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 15:39	SR
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/18/2017 07:30	10/18/2017 15:39	SR
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 15:39	SR
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 15:39	SR
108-88-3	Toluene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 15:39	SR
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 15:39	SR
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 15:39	SR
79-01-6	Trichloroethylene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 15:39	SR
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 15:39	SR
75-01-4	Vinyl Chloride	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 15:39	SR
1330-20-7	Xylenes, Total	ND		ug/kg dry	5.4	11	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 15:39	SR
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	113 %	77-125								
2037-26-5	Surrogate: Toluene-d8	102 %	85-120								
460-00-4	Surrogate: p-Bromofluorobenzene	96.9 %	76-130								



Sample Information

Client Sample ID: 2017.10.13-DUPS1

York Sample ID: 17J0602-04

<u>York Project (SDG) No.</u> 17J0602	<u>Client Project ID</u> 140169801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> October 13, 2017 12:00 am	<u>Date Received</u> 10/13/2017
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Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	92.2	184	2	EPA 8270D Certifications: NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: NELAC-NY10854-CT,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: NELAC-NY10854-CT,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: NELAC-NY10854-CT,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	92.2	184	2	EPA 8270D Certifications: NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	92.2	184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	92.2	184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH



Sample Information

Client Sample ID: 2017.10.13-DUPS1

York Sample ID: 17J0602-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17J0602

140169801

Soil

October 13, 2017 12:00 am

10/13/2017

Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
99-09-2	3-Nitroaniline	ND		ug/kg dry	92.2	184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	92.2	184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	92.2	184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	92.2	184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
83-32-9	Acenaphthene	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
98-86-2	Acetophenone	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
62-53-3	Aniline	ND		ug/kg dry	185	369	2	EPA 8270D Certifications: NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
120-12-7	Anthracene	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
1912-24-9	Atrazine	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
100-52-7	Benzaldehyde	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
92-87-5	Benzidine	ND		ug/kg dry	185	369	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
65-85-0	Benzoic acid	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH



Sample Information

Client Sample ID: 2017.10.13-DUPS1

York Sample ID: 17J0602-04

<u>York Project (SDG) No.</u> 17J0602	<u>Client Project ID</u> 140169801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> October 13, 2017 12:00 am	<u>Date Received</u> 10/13/2017
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Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
105-60-2	Caprolactam	ND		ug/kg dry	92.2	184	2	EPA 8270D Certifications: NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
86-74-8	Carbazole	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
218-01-9	Chrysene	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
206-44-0	Fluoranthene	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
86-73-7	Fluorene	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
78-59-1	Isophorone	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
91-20-3	Naphthalene	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH



Sample Information

Client Sample ID: 2017.10.13-DUPS1

York Sample ID: 17J0602-04

<u>York Project (SDG) No.</u> 17J0602	<u>Client Project ID</u> 140169801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> October 13, 2017 12:00 am	<u>Date Received</u> 10/13/2017
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Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-95-3	Nitrobenzene	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
85-01-8	Phenanthrene	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
108-95-2	Phenol	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
129-00-0	Pyrene	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	52.0 %	20-108								
4165-62-2	Surrogate: Phenol-d5	62.1 %	23-114								
4165-60-0	Surrogate: Nitrobenzene-d5	42.3 %	22-108								
321-60-8	Surrogate: 2-Fluorobiphenyl	54.9 %	21-113								
118-79-6	Surrogate: 2,4,6-Tribromophenol	55.4 %	19-110								
1718-51-0	Surrogate: Terphenyl-d14	44.8 %	24-116								

Metals, NYSDEC Part 375

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
7440-38-2	Arsenic	ND		mg/kg dry	1.11	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 11:09	10/19/2017 06:36	KML
7440-39-3	Barium	40.2		mg/kg dry	1.11	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 11:09	10/19/2017 06:36	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 11:09	10/19/2017 06:36	KML
7440-43-9	Cadmium	ND		mg/kg dry	0.332	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 11:09	10/19/2017 06:36	KML
7440-47-3	Chromium	14.7		mg/kg dry	0.553	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 11:09	10/19/2017 06:36	KML
7440-50-8	Copper	15.1		mg/kg dry	0.553	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 11:09	10/19/2017 06:36	KML
7439-92-1	Lead	3.87		mg/kg dry	0.553	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 11:09	10/19/2017 06:36	KML
7439-96-5	Manganese	305		mg/kg dry	0.553	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 11:09	10/19/2017 06:36	KML



Sample Information

Client Sample ID: 2017.10.13-DUPS1

York Sample ID: 17J0602-04

<u>York Project (SDG) No.</u> 17J0602	<u>Client Project ID</u> 140169801	<u>Matrix</u> Soil	<u>Collection Date/Time</u> October 13, 2017 12:00 am	<u>Date Received</u> 10/13/2017
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Metals, NYSDEC Part 375

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	18.0		mg/kg dry	0.553	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 11:09	10/19/2017 06:36	KML
7782-49-2	Selenium	1.60		mg/kg dry	1.11	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 11:09	10/19/2017 06:36	KML
7440-22-4	Silver	ND		mg/kg dry	0.553	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 11:09	10/19/2017 06:36	KML
7440-66-6	Zinc	27.5	B	mg/kg dry	1.66	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 11:09	10/19/2017 06:36	KML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0332	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854-CT,PADEP	10/16/2017 15:01	10/16/2017 18:40	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	90.5		%	0.100	1	SM 2540G Certifications: CTDOH	10/20/2017 10:02	10/20/2017 14:13	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	0.553	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854-CT,PADEP	10/20/2017 08:42	10/20/2017 13:38	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	14.7		mg/kg	0.500	1	Calculation Certifications:	10/20/2017 12:14	10/20/2017 15:07	PAM

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.553	1	EPA 9014/9010C Certifications: NELAC-NY10854-CT,CTDOH,NJDEP,PADEP	10/20/2017 08:28	10/20/2017 15:36	AD



Sample Information

Client Sample ID: 2017.10.13-DUPS1

York Sample ID: 17J0602-04

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
17J0602	140169801	Soil	October 13, 2017 12:00 am	10/13/2017

Sample Information

Client Sample ID: 2017.10.13-TB01

York Sample ID: 17J0602-05

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
17J0602	140169801	Water	October 13, 2017 12:00 am	10/13/2017

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 07:30	10/16/2017 15:33	SR
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 07:30	10/16/2017 15:33	SR
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 07:30	10/16/2017 15:33	SR
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 07:30	10/16/2017 15:33	SR
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 07:30	10/16/2017 15:33	SR
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 07:30	10/16/2017 15:33	SR
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 07:30	10/16/2017 15:33	SR
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/16/2017 07:30	10/16/2017 15:33	SR
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/16/2017 07:30	10/16/2017 15:33	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/16/2017 07:30	10/16/2017 15:33	SR
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 07:30	10/16/2017 15:33	SR
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 07:30	10/16/2017 15:33	SR
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 07:30	10/16/2017 15:33	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 07:30	10/16/2017 15:33	SR
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 07:30	10/16/2017 15:33	SR
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 07:30	10/16/2017 15:33	SR
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 07:30	10/16/2017 15:33	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 07:30	10/16/2017 15:33	SR



Sample Information

Client Sample ID: 2017.10.13-TB01

York Sample ID: 17J0602-05

<u>York Project (SDG) No.</u> 17J0602	<u>Client Project ID</u> 140169801	<u>Matrix</u> Water	<u>Collection Date/Time</u> October 13, 2017 12:00 am	<u>Date Received</u> 10/13/2017
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Volatile Organics, NJDEP/TCL/Part 375 List

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
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 07:30	10/16/2017 15:33	SR
123-91-1	1,4-Dioxane	ND		ug/L	40	80	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/16/2017 07:30	10/16/2017 15:33	SR
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 07:30	10/16/2017 15:33	SR
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 07:30	10/16/2017 15:33	SR
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 07:30	10/16/2017 15:33	SR
67-64-1	Acetone	1.9	J	ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 07:30	10/16/2017 15:33	SR
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 07:30	10/16/2017 15:33	SR
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 07:30	10/16/2017 15:33	SR
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 07:30	10/16/2017 15:33	SR
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/16/2017 07:30	10/16/2017 15:33	SR
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 07:30	10/16/2017 15:33	SR
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 07:30	10/16/2017 15:33	SR
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 07:30	10/16/2017 15:33	SR
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 07:30	10/16/2017 15:33	SR
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 07:30	10/16/2017 15:33	SR
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 07:30	10/16/2017 15:33	SR
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 07:30	10/16/2017 15:33	SR
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 07:30	10/16/2017 15:33	SR
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 07:30	10/16/2017 15:33	SR
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 07:30	10/16/2017 15:33	SR
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 07:30	10/16/2017 15:33	SR
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/16/2017 07:30	10/16/2017 15:33	SR
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 07:30	10/16/2017 15:33	SR



Sample Information

Client Sample ID: 2017.10.13-TB01

York Sample ID: 17J0602-05

<u>York Project (SDG) No.</u> 17J0602	<u>Client Project ID</u> 140169801	<u>Matrix</u> Water	<u>Collection Date/Time</u> October 13, 2017 12:00 am	<u>Date Received</u> 10/13/2017
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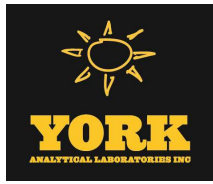
Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/16/2017 07:30	10/16/2017 15:33	SR
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/16/2017 07:30	10/16/2017 15:33	SR
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 07:30	10/16/2017 15:33	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/16/2017 07:30	10/16/2017 15:33	SR
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 07:30	10/16/2017 15:33	SR
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/16/2017 07:30	10/16/2017 15:33	SR
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 07:30	10/16/2017 15:33	SR
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/16/2017 07:30	10/16/2017 15:33	SR
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 07:30	10/16/2017 15:33	SR
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 07:30	10/16/2017 15:33	SR
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 07:30	10/16/2017 15:33	SR
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NELAC-NY10854	10/16/2017 07:30	10/16/2017 15:33	SR
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NELAC-NY10854	10/16/2017 07:30	10/16/2017 15:33	SR
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 07:30	10/16/2017 15:33	SR
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 07:30	10/16/2017 15:33	SR
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 07:30	10/16/2017 15:33	SR
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/16/2017 07:30	10/16/2017 15:33	SR
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 07:30	10/16/2017 15:33	SR
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 07:30	10/16/2017 15:33	SR
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 07:30	10/16/2017 15:33	SR
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 07:30	10/16/2017 15:33	SR
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 07:30	10/16/2017 15:33	SR
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 07:30	10/16/2017 15:33	SR



Sample Information

Client Sample ID: 2017.10.13-TB01

York Sample ID: 17J0602-05

<u>York Project (SDG) No.</u> 17J0602	<u>Client Project ID</u> 140169801	<u>Matrix</u> Water	<u>Collection Date/Time</u> October 13, 2017 12:00 am	<u>Date Received</u> 10/13/2017
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Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 07:30	10/16/2017 15:33	SR
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 07:30	10/16/2017 15:33	SR
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 07:30	10/16/2017 15:33	SR
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	105 %			69-130						
2037-26-5	Surrogate: Toluene-d8	97.1 %			81-117						
460-00-4	Surrogate: p-Bromofluorobenzene	85.2 %			79-122						



Analytical Batch Summary

Batch ID: BJ70783 **Preparation Method:** EPA 5030B **Prepared By:** RDS

YORK Sample ID	Client Sample ID	Preparation Date
17J0602-05	2017.10.13-TB01	10/16/17
BJ70783-BLK1	Blank	10/16/17
BJ70783-BS1	LCS	10/16/17
BJ70783-BSD1	LCS Dup	10/16/17

Batch ID: BJ70818 **Preparation Method:** EPA 7473 soil **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
17J0602-01	SB-1 (10'-12')	10/16/17
17J0602-02	SB-2 (2'-4')	10/16/17
17J0602-03	Sump (0.5'-1')	10/16/17
17J0602-04	2017.10.13-DUPS1	10/16/17
BJ70818-BLK1	Blank	10/16/17
BJ70818-SRM1	Reference	10/16/17

Batch ID: BJ70939 **Preparation Method:** EPA 5035A **Prepared By:** RDS

YORK Sample ID	Client Sample ID	Preparation Date
17J0602-01	SB-1 (10'-12')	10/18/17
17J0602-02	SB-2 (2'-4')	10/18/17
17J0602-04	2017.10.13-DUPS1	10/18/17
BJ70939-BLK1	Blank	10/18/17
BJ70939-BLK2	Blank	10/18/17
BJ70939-BS1	LCS	10/18/17
BJ70939-BSD1	LCS Dup	10/18/17

Batch ID: BJ70963 **Preparation Method:** EPA 3050B **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
17J0602-01	SB-1 (10'-12')	10/18/17
17J0602-02	SB-2 (2'-4')	10/18/17
17J0602-03	Sump (0.5'-1')	10/18/17
17J0602-04	2017.10.13-DUPS1	10/18/17
BJ70963-BLK1	Blank	10/18/17
BJ70963-SRM1	Reference	10/18/17

Batch ID: BJ71020 **Preparation Method:** EPA 3550C **Prepared By:** SGM

YORK Sample ID	Client Sample ID	Preparation Date
17J0602-01	SB-1 (10'-12')	10/19/17
17J0602-02	SB-2 (2'-4')	10/19/17
17J0602-03	Sump (0.5'-1')	10/19/17
17J0602-03RE1	Sump (0.5'-1')	10/19/17



17J0602-04	2017.10.13-DUPS1	10/19/17
BJ71020-BLK1	Blank	10/19/17
BJ71020-BS1	LCS	10/19/17

Batch ID: BJ71028 **Preparation Method:** EPA 5035A **Prepared By:** RDS

YORK Sample ID	Client Sample ID	Preparation Date
17J0602-03	Sump (0.5'-1')	10/19/17
BJ71028-BLK1	Blank	10/19/17
BJ71028-BS1	LCS	10/19/17
BJ71028-BSD1	LCS Dup	10/19/17

Batch ID: BJ71111 **Preparation Method:** Analysis Preparation Soil **Prepared By:** AD

YORK Sample ID	Client Sample ID	Preparation Date
17J0602-01	SB-1 (10'-12')	10/20/17
17J0602-02	SB-2 (2'-4')	10/20/17
17J0602-03	Sump (0.5'-1')	10/20/17
17J0602-04	2017.10.13-DUPS1	10/20/17
BJ71111-BLK1	Blank	10/20/17
BJ71111-DUP1	Duplicate	10/20/17
BJ71111-MS1	Matrix Spike	10/20/17
BJ71111-SRM1	Reference	10/20/17

Batch ID: BJ71112 **Preparation Method:** EPA SW846-3060 **Prepared By:** AD

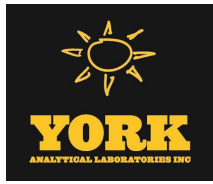
YORK Sample ID	Client Sample ID	Preparation Date
17J0602-01	SB-1 (10'-12')	10/20/17
17J0602-02	SB-2 (2'-4')	10/20/17
17J0602-03	Sump (0.5'-1')	10/20/17
17J0602-04	2017.10.13-DUPS1	10/20/17
BJ71112-BLK1	Blank	10/20/17
BJ71112-DUP1	Duplicate	10/20/17
BJ71112-MS1	Matrix Spike	10/20/17
BJ71112-SRM1	Reference	10/20/17

Batch ID: BJ71122 **Preparation Method:** % Solids Prep **Prepared By:** TAJ

YORK Sample ID	Client Sample ID	Preparation Date
17J0602-01	SB-1 (10'-12')	10/20/17
17J0602-02	SB-2 (2'-4')	10/20/17
17J0602-03	Sump (0.5'-1')	10/20/17
17J0602-04	2017.10.13-DUPS1	10/20/17

Batch ID: BJ71139 **Preparation Method:** Analysis Preparation **Prepared By:** PAM

YORK Sample ID	Client Sample ID	Preparation Date
17J0602-01	SB-1 (10'-12')	10/20/17



17J0602-02	SB-2 (2'-4')	10/20/17
17J0602-03	Sump (0.5'-1')	10/20/17
17J0602-04	2017.10.13-DUPS1	10/20/17



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BJ70783 - EPA 5030B

Blank (BJ70783-BLK1)

Prepared & Analyzed: 10/16/2017

1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
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	"								
1,2,3-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	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	80	"								
2-Butanone	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	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	2.0	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BJ70783 - EPA 5030B

Blank (BJ70783-BLK1)

Prepared & Analyzed: 10/16/2017

n-Butylbenzene	ND	0.50	ug/L									
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	1.0	"									
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	"									
<hr/>												
Surrogate: 1,2-Dichloroethane-d4	10.2		"	10.0		102	69-130					
Surrogate: Toluene-d8	9.85		"	10.0		98.5	81-117					
Surrogate: p-Bromofluorobenzene	8.77		"	10.0		87.7	79-122					

LCS (BJ70783-BS1)

Prepared & Analyzed: 10/16/2017

1,1,1,2-Tetrachloroethane	11		ug/L	10.0		110	82-126					
1,1,1-Trichloroethane	11		"	10.0		112	78-136					
1,1,2,2-Tetrachloroethane	9.3		"	10.0		93.3	76-129					
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12		"	10.0		117	54-165					
1,1,2-Trichloroethane	10		"	10.0		99.7	82-123					
1,1-Dichloroethane	11		"	10.0		111	82-129					
1,1-Dichloroethylene	11		"	5.00		221	68-138	High Bias				
1,2,3-Trichlorobenzene	20		"	10.0		200	76-136	High Bias				
1,2,3-Trichloropropane	9.0		"	10.0		89.9	77-128					
1,2,4-Trichlorobenzene	17		"	10.0		165	76-137	High Bias				
1,2,4-Trimethylbenzene	10		"	10.0		101	82-132					
1,2-Dibromo-3-chloropropane	10		"	10.0		103	45-147					
1,2-Dibromoethane	10		"	10.0		100	83-124					
1,2-Dichlorobenzene	10		"	10.0		103	79-123					
1,2-Dichloroethane	11		"	10.0		107	73-132					
1,2-Dichloropropane	10		"	10.0		104	78-126					
1,3,5-Trimethylbenzene	9.8		"	10.0		97.7	80-131					
1,3-Dichlorobenzene	10		"	10.0		104	86-122					
1,4-Dichlorobenzene	8.2		"	10.0		82.2	85-124	Low Bias				
1,4-Dioxane	86		"	200		42.9	10-349					
2-Butanone	6.8		"	10.0		68.4	49-152					
2-Hexanone	10		"	10.0		101	51-146					
4-Methyl-2-pentanone	10		"	10.0		104	57-145					
Acetone	9.4		"	10.0		94.0	14-150					
Acrolein	7.6		"	10.0		75.6	10-153					
Acrylonitrile	9.6		"	10.0		96.5	51-150					
Benzene	11		"	10.0		108	85-126					
Bromochloromethane	12		"	10.0		116	77-128					
Bromodichloromethane	10		"	10.0		104	79-128					



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

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

Batch BJ70783 - EPA 5030B

LCS (BJ70783-BS1)

Prepared & Analyzed: 10/16/2017

Bromoform	10		ug/L	10.0		103	78-133				
Bromomethane	8.2		"	10.0		81.9	43-168				
Carbon disulfide	10		"	10.0		104	68-146				
Carbon tetrachloride	12		"	10.0		116	77-141				
Chlorobenzene	11		"	10.0		107	88-120				
Chloroethane	12		"	10.0		115	65-136				
Chloroform	11		"	10.0		106	82-128				
Chloromethane	9.3		"	10.0		93.2	43-155				
cis-1,2-Dichloroethylene	11		"	10.0		106	83-129				
cis-1,3-Dichloropropylene	10		"	10.0		102	80-131				
Cyclohexane	13		"	10.0		126	63-149				
Dibromochloromethane	10		"	10.0		103	80-130				
Dibromomethane	9.9		"	10.0		98.8	72-134				
Dichlorodifluoromethane	14		"	10.0		138	44-144				
Ethyl Benzene	11		"	10.0		112	80-131				
Hexachlorobutadiene	26		"	10.0		258	67-146	High Bias			
Isopropylbenzene	10		"	10.0		104	76-140				
Methyl acetate	10		"	10.0		103	51-139				
Methyl tert-butyl ether (MTBE)	10		"	10.0		104	76-135				
Methylcyclohexane	11		"	10.0		108	72-143				
Methylene chloride	11		"	10.0		107	55-137				
n-Butylbenzene	11		"	10.0		110	79-132				
n-Propylbenzene	10		"	10.0		104	78-133				
o-Xylene	11		"	10.0		109	78-130				
p- & m- Xylenes	23		"	20.0		115	77-133				
p-Isopropyltoluene	11		"	10.0		105	81-136				
sec-Butylbenzene	10		"	10.0		102	79-137				
Styrene	11		"	10.0		110	67-132				
tert-Butyl alcohol (TBA)	5.6		"	10.0		55.9	25-162				
tert-Butylbenzene	9.9		"	10.0		99.1	77-138				
Tetrachloroethylene	11		"	10.0		110	82-131				
Toluene	11		"	10.0		108	80-127				
trans-1,2-Dichloroethylene	11		"	10.0		107	80-132				
trans-1,3-Dichloropropylene	10		"	10.0		101	78-131				
Trichloroethylene	10		"	10.0		103	82-128				
Trichlorofluoromethane	12		"	10.0		124	67-139				
Vinyl Chloride	12		"	10.0		118	58-145				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	9.85		"	10.0		98.5	69-130				
<i>Surrogate: Toluene-d8</i>	9.83		"	10.0		98.3	81-117				
<i>Surrogate: p-Bromofluorobenzene</i>	8.82		"	10.0		88.2	79-122				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting		Spike Level	Source*		%REC Limits	Flag	RPD	
		Limit	Units		Result	%REC			RPD	Limit
Batch BJ70783 - EPA 5030B										
LCS Dup (BJ70783-BSD1)										
Prepared & Analyzed: 10/16/2017										
1,1,1,2-Tetrachloroethane	11		ug/L	10.0	113	82-126			3.50	30
1,1,1-Trichloroethane	12		"	10.0	116	78-136			2.81	30
1,1,2,2-Tetrachloroethane	9.5		"	10.0	95.1	76-129			1.91	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12		"	10.0	120	54-165			1.94	30
1,1,2-Trichloroethane	11		"	10.0	107	82-123			6.69	30
1,1-Dichloroethane	11		"	10.0	114	82-129			3.20	30
1,1-Dichloroethylene	11		"	5.00	227	68-138	High Bias		2.50	30
1,2,3-Trichlorobenzene	20		"	10.0	201	76-136	High Bias		0.598	30
1,2,3-Trichloropropane	9.1		"	10.0	90.7	77-128			0.886	30
1,2,4-Trichlorobenzene	17		"	10.0	169	76-137	High Bias		2.28	30
1,2,4-Trimethylbenzene	10		"	10.0	100	82-132			1.29	30
1,2-Dibromo-3-chloropropane	11		"	10.0	105	45-147			2.01	30
1,2-Dibromoethane	10		"	10.0	105	83-124			4.39	30
1,2-Dichlorobenzene	10		"	10.0	103	79-123			0.680	30
1,2-Dichloroethane	11		"	10.0	114	73-132			5.70	30
1,2-Dichloropropane	11		"	10.0	106	78-126			2.67	30
1,3,5-Trimethylbenzene	9.6		"	10.0	95.9	80-131			1.86	30
1,3-Dichlorobenzene	10		"	10.0	102	86-122			0.971	30
1,4-Dichlorobenzene	9.9		"	10.0	99.4	85-124			18.9	30
1,4-Dioxane	110		"	200	54.7	10-349			24.3	30
2-Butanone	7.5		"	10.0	74.7	49-152			8.81	30
2-Hexanone	11		"	10.0	109	51-146			8.02	30
4-Methyl-2-pentanone	11		"	10.0	111	57-145			6.49	30
Acetone	10		"	10.0	101	14-150			7.57	30
Acrolein	8.2		"	10.0	81.9	10-153			8.00	30
Acrylonitrile	11		"	10.0	106	51-150			9.19	30
Benzene	11		"	10.0	111	85-126			3.38	30
Bromochloromethane	12		"	10.0	122	77-128			5.46	30
Bromodichloromethane	11		"	10.0	107	79-128			2.85	30
Bromoform	11		"	10.0	108	78-133			4.36	30
Bromomethane	8.4		"	10.0	84.1	43-168			2.65	30
Carbon disulfide	11		"	10.0	106	68-146			1.90	30
Carbon tetrachloride	12		"	10.0	119	77-141			2.81	30
Chlorobenzene	11		"	10.0	109	88-120			1.95	30
Chloroethane	12		"	10.0	119	65-136			2.99	30
Chloroform	11		"	10.0	111	82-128			4.52	30
Chloromethane	9.6		"	10.0	95.6	43-155			2.54	30
cis-1,2-Dichloroethylene	11		"	10.0	110	83-129			3.87	30
cis-1,3-Dichloropropylene	11		"	10.0	106	80-131			3.55	30
Cyclohexane	13		"	10.0	130	63-149			2.58	30
Dibromochloromethane	11		"	10.0	109	80-130			5.18	30
Dibromomethane	10		"	10.0	103	72-134			4.45	30
Dichlorodifluoromethane	14		"	10.0	142	44-144			2.78	30
Ethyl Benzene	11		"	10.0	114	80-131			2.04	30
Hexachlorobutadiene	27		"	10.0	270	67-146	High Bias		4.31	30
Isopropylbenzene	10		"	10.0	102	76-140			1.75	30
Methyl acetate	11		"	10.0	111	51-139			6.83	30
Methyl tert-butyl ether (MTBE)	11		"	10.0	113	76-135			7.73	30
Methylcyclohexane	11		"	10.0	110	72-143			1.47	30
Methylene chloride	11		"	10.0	112	55-137			4.58	30
n-Butylbenzene	11		"	10.0	108	79-132			1.56	30



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BJ70783 - EPA 5030B

LCS Dup (BJ70783-BSD1)

Prepared & Analyzed: 10/16/2017

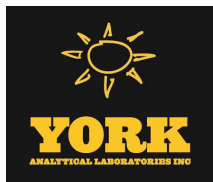
n-Propylbenzene	10		ug/L	10.0	102	78-133		2.42	30
o-Xylene	11		"	10.0	112	78-130		2.62	30
p- & m- Xylenes	23		"	20.0	117	77-133		2.24	30
p-Isopropyltoluene	10		"	10.0	103	81-136		1.73	30
sec-Butylbenzene	10		"	10.0	99.6	79-137		2.87	30
Styrene	11		"	10.0	115	67-132		3.82	30
tert-Butyl alcohol (TBA)	6.0		"	10.0	60.1	25-162		7.24	30
tert-Butylbenzene	9.7		"	10.0	96.7	77-138		2.45	30
Tetrachloroethylene	11		"	10.0	112	82-131		1.71	30
Toluene	11		"	10.0	110	80-127		2.29	30
trans-1,2-Dichloroethylene	11		"	10.0	111	80-132		3.76	30
trans-1,3-Dichloropropylene	11		"	10.0	106	78-131		4.06	30
Trichloroethylene	11		"	10.0	105	82-128		2.60	30
Trichlorofluoromethane	13		"	10.0	127	67-139		2.31	30
Vinyl Chloride	12		"	10.0	122	58-145		2.92	30
Surrogate: 1,2-Dichloroethane-d4	10.4		"	10.0	104	69-130			
Surrogate: Toluene-d8	9.82		"	10.0	98.2	81-117			
Surrogate: p-Bromofluorobenzene	8.64		"	10.0	86.4	79-122			

Batch BJ70939 - EPA 5035A

Blank (BJ70939-BLK1)

Prepared & Analyzed: 10/18/2017

1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg wet						
1,1,1-Trichloroethane	ND	5.0	"						
1,1,2,2-Tetrachloroethane	ND	5.0	"						
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"						
1,1,2-Trichloroethane	ND	5.0	"						
1,1-Dichloroethane	ND	5.0	"						
1,1-Dichloroethylene	ND	5.0	"						
1,2,3-Trichlorobenzene	ND	5.0	"						
1,2,3-Trichloropropane	ND	5.0	"						
1,2,4-Trichlorobenzene	ND	5.0	"						
1,2,4-Trimethylbenzene	ND	5.0	"						
1,2-Dibromo-3-chloropropane	ND	5.0	"						
1,2-Dibromoethane	ND	5.0	"						
1,2-Dichlorobenzene	ND	5.0	"						
1,2-Dichloroethane	ND	5.0	"						
1,2-Dichloropropane	ND	5.0	"						
1,3,5-Trimethylbenzene	ND	5.0	"						
1,3-Dichlorobenzene	ND	5.0	"						
1,4-Dichlorobenzene	ND	5.0	"						
1,4-Dioxane	ND	100	"						
2-Butanone	ND	5.0	"						
2-Hexanone	ND	5.0	"						
4-Methyl-2-pentanone	ND	5.0	"						
Acetone	ND	10	"						
Acrolein	ND	10	"						
Acrylonitrile	ND	5.0	"						
Benzene	ND	5.0	"						
Bromochloromethane	ND	5.0	"						
Bromodichloromethane	ND	5.0	"						



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BJ70939 - EPA 5035A

Blank (BJ70939-BLK1)

Prepared & Analyzed: 10/18/2017

Bromoform	ND	5.0	ug/kg wet										
Bromomethane	ND	5.0	"										
Carbon disulfide	ND	5.0	"										
Carbon tetrachloride	ND	5.0	"										
Chlorobenzene	ND	5.0	"										
Chloroethane	ND	5.0	"										
Chloroform	ND	5.0	"										
Chloromethane	ND	5.0	"										
cis-1,2-Dichloroethylene	ND	5.0	"										
cis-1,3-Dichloropropylene	ND	5.0	"										
Cyclohexane	ND	5.0	"										
Dibromochloromethane	ND	5.0	"										
Dibromomethane	ND	5.0	"										
Dichlorodifluoromethane	ND	5.0	"										
Ethyl Benzene	ND	5.0	"										
Hexachlorobutadiene	ND	5.0	"										
Isopropylbenzene	ND	5.0	"										
Methyl acetate	ND	5.0	"										
Methyl tert-butyl ether (MTBE)	ND	5.0	"										
Methylcyclohexane	ND	5.0	"										
Methylene chloride	ND	10	"										
n-Butylbenzene	ND	5.0	"										
n-Propylbenzene	ND	5.0	"										
o-Xylene	ND	5.0	"										
p- & m- Xylenes	ND	10	"										
p-Isopropyltoluene	ND	5.0	"										
sec-Butylbenzene	ND	5.0	"										
Styrene	ND	5.0	"										
tert-Butyl alcohol (TBA)	ND	5.0	"										
tert-Butylbenzene	ND	5.0	"										
Tetrachloroethylene	ND	5.0	"										
Toluene	ND	5.0	"										
trans-1,2-Dichloroethylene	ND	5.0	"										
trans-1,3-Dichloropropylene	ND	5.0	"										
Trichloroethylene	ND	5.0	"										
Trichlorofluoromethane	ND	5.0	"										
Vinyl Chloride	ND	5.0	"										
Xylenes, Total	ND	15	"										
<i>Surrogate: 1,2-Dichloroethane-d4</i>	53.0		ug/L	50.0		106		77-125					
<i>Surrogate: Toluene-d8</i>	49.0		"	50.0		98.0		85-120					
<i>Surrogate: p-Bromofluorobenzene</i>	48.8		"	50.0		97.7		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
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Batch BJ70939 - EPA 5035A

Blank (BJ70939-BLK2)

Prepared & Analyzed: 10/18/2017

1,1,1,2-Tetrachloroethane	ND	500	ug/kg wet								
1,1,1-Trichloroethane	ND	500	"								
1,1,2,2-Tetrachloroethane	ND	500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	500	"								
1,1,2-Trichloroethane	ND	500	"								
1,1-Dichloroethane	ND	500	"								
1,1-Dichloroethylene	ND	500	"								
1,2,3-Trichlorobenzene	ND	500	"								
1,2,3-Trichloropropane	ND	500	"								
1,2,4-Trichlorobenzene	ND	500	"								
1,2,4-Trimethylbenzene	ND	500	"								
1,2-Dibromo-3-chloropropane	ND	500	"								
1,2-Dibromoethane	ND	500	"								
1,2-Dichlorobenzene	ND	500	"								
1,2-Dichloroethane	ND	500	"								
1,2-Dichloropropane	ND	500	"								
1,3,5-Trimethylbenzene	ND	500	"								
1,3-Dichlorobenzene	ND	500	"								
1,4-Dichlorobenzene	ND	500	"								
1,4-Dioxane	ND	10000	"								
2-Butanone	ND	500	"								
2-Hexanone	ND	500	"								
4-Methyl-2-pentanone	ND	500	"								
Acetone	ND	1000	"								
Acrolein	ND	1000	"								
Acrylonitrile	ND	500	"								
Benzene	ND	500	"								
Bromochloromethane	ND	500	"								
Bromodichloromethane	ND	500	"								
Bromoform	ND	500	"								
Bromomethane	ND	500	"								
Carbon disulfide	ND	500	"								
Carbon tetrachloride	ND	500	"								
Chlorobenzene	ND	500	"								
Chloroethane	ND	500	"								
Chloroform	ND	500	"								
Chloromethane	ND	500	"								
cis-1,2-Dichloroethylene	ND	500	"								
cis-1,3-Dichloropropylene	ND	500	"								
Cyclohexane	ND	500	"								
Dibromochloromethane	ND	500	"								
Dibromomethane	ND	500	"								
Dichlorodifluoromethane	ND	500	"								
Ethyl Benzene	ND	500	"								
Hexachlorobutadiene	ND	500	"								
Isopropylbenzene	ND	500	"								
Methyl acetate	ND	500	"								
Methyl tert-butyl ether (MTBE)	ND	500	"								
Methylcyclohexane	ND	500	"								
Methylene chloride	ND	1000	"								
n-Butylbenzene	ND	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 BJ70939 - EPA 5035A

Blank (BJ70939-BLK2)

Prepared & Analyzed: 10/18/2017

n-Propylbenzene	ND	500	ug/kg wet								
o-Xylene	ND	500	"								
p- & m- Xylenes	ND	1000	"								
p-Isopropyltoluene	ND	500	"								
sec-Butylbenzene	ND	500	"								
Styrene	ND	500	"								
tert-Butyl alcohol (TBA)	ND	500	"								
tert-Butylbenzene	ND	500	"								
Tetrachloroethylene	ND	500	"								
Toluene	ND	500	"								
trans-1,2-Dichloroethylene	ND	500	"								
trans-1,3-Dichloropropylene	ND	500	"								
Trichloroethylene	ND	500	"								
Trichlorofluoromethane	ND	500	"								
Vinyl Chloride	ND	500	"								
Xylenes, Total	ND	1500	"								

Surrogate: 1,2-Dichloroethane-d4	55.1		ug/L	50.0		110	77-125				
Surrogate: Toluene-d8	47.3		"	50.0		94.5	85-120				
Surrogate: p-Bromofluorobenzene	46.7		"	50.0		93.3	76-130				

LCS (BJ70939-BS1)

Prepared & Analyzed: 10/18/2017

1,1,1,2-Tetrachloroethane	54		ug/L	50.0		109	75-129				
1,1,1-Trichloroethane	54		"	50.0		109	71-137				
1,1,2,2-Tetrachloroethane	55		"	50.0		110	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	53		"	50.0		107	58-146				
1,1,2-Trichloroethane	53		"	50.0		106	83-123				
1,1-Dichloroethane	52		"	50.0		105	75-130				
1,1-Dichloroethylene	52		"	25.0		209	64-137	High Bias			
1,2,3-Trichlorobenzene	56		"	50.0		111	81-140				
1,2,3-Trichloropropane	57		"	50.0		115	81-126				
1,2,4-Trichlorobenzene	61		"	50.0		123	80-141				
1,2,4-Trimethylbenzene	54		"	50.0		108	84-125				
1,2-Dibromo-3-chloropropane	55		"	50.0		109	74-142				
1,2-Dibromoethane	53		"	50.0		107	86-123				
1,2-Dichlorobenzene	55		"	50.0		111	85-122				
1,2-Dichloroethane	51		"	50.0		102	71-133				
1,2-Dichloropropane	52		"	50.0		104	81-122				
1,3,5-Trimethylbenzene	52		"	50.0		105	82-126				
1,3-Dichlorobenzene	56		"	50.0		112	84-124				
1,4-Dichlorobenzene	56		"	50.0		111	84-124				
1,4-Dioxane	1000		"	1000		101	10-228				
2-Butanone	75		"	50.0		149	58-147	High Bias			
2-Hexanone	50		"	50.0		99.3	70-139				
4-Methyl-2-pentanone	54		"	50.0		109	72-132				
Acetone	39		"	50.0		78.6	36-155				
Acrolein	51		"	50.0		101	10-238				
Acrylonitrile	49		"	50.0		98.6	66-141				
Benzene	48		"	50.0		96.9	77-127				
Bromochloromethane	52		"	50.0		103	74-129				
Bromodichloromethane	54		"	50.0		107	81-124				
Bromoform	57		"	50.0		114	80-136				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BJ70939 - EPA 5035A

LCS (BJ70939-BS1)

Prepared & Analyzed: 10/18/2017

Bromomethane	45		ug/L	50.0		90.8	32-177				
Carbon disulfide	46		"	50.0		91.8	10-136				
Carbon tetrachloride	55		"	50.0		109	66-143				
Chlorobenzene	54		"	50.0		108	86-120				
Chloroethane	50		"	50.0		99.6	51-142				
Chloroform	51		"	50.0		103	76-131				
Chloromethane	50		"	50.0		101	49-132				
cis-1,2-Dichloroethylene	49		"	50.0		98.8	74-132				
cis-1,3-Dichloropropylene	54		"	50.0		108	81-129				
Cyclohexane	57		"	50.0		114	70-130				
Dibromochloromethane	55		"	50.0		111	10-200				
Dibromomethane	53		"	50.0		106	83-124				
Dichlorodifluoromethane	52		"	50.0		105	28-158				
Ethyl Benzene	54		"	50.0		107	84-125				
Hexachlorobutadiene	51		"	50.0		103	83-133				
Isopropylbenzene	53		"	50.0		106	81-127				
Methyl acetate	67		"	50.0		135	41-143				
Methyl tert-butyl ether (MTBE)	49		"	50.0		98.2	74-131				
Methylcyclohexane	53		"	50.0		105	70-130				
Methylene chloride	49		"	50.0		97.8	57-141				
n-Butylbenzene	58		"	50.0		115	80-130				
n-Propylbenzene	54		"	50.0		108	74-136				
o-Xylene	54		"	50.0		108	83-123				
p- & m- Xylenes	110		"	100		105	82-128				
p-Isopropyltoluene	56		"	50.0		111	85-125				
sec-Butylbenzene	55		"	50.0		111	83-125				
Styrene	52		"	50.0		105	86-126				
tert-Butyl alcohol (TBA)	64		"	50.0		129	70-130				
tert-Butylbenzene	53		"	50.0		107	80-127				
Tetrachloroethylene	49		"	50.0		98.4	80-129				
Toluene	54		"	50.0		108	85-121				
trans-1,2-Dichloroethylene	48		"	50.0		96.1	72-132				
trans-1,3-Dichloropropylene	55		"	50.0		111	78-132				
Trichloroethylene	52		"	50.0		104	84-123				
Trichlorofluoromethane	50		"	50.0		99.7	62-140				
Vinyl Chloride	46		"	50.0		92.9	52-130				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>52.0</i>		<i>"</i>	<i>50.0</i>		<i>104</i>	<i>77-125</i>				
<i>Surrogate: Toluene-d8</i>	<i>49.4</i>		<i>"</i>	<i>50.0</i>		<i>98.9</i>	<i>85-120</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>48.7</i>		<i>"</i>	<i>50.0</i>		<i>97.3</i>	<i>76-130</i>				



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 BJ70939 - EPA 5035A

LCS Dup (BJ70939-BSD1)

Prepared & Analyzed: 10/18/2017

1,1,1,2-Tetrachloroethane	53		ug/L	50.0		107	75-129		2.12	30	
1,1,1-Trichloroethane	49		"	50.0		98.9	71-137		9.32	30	
1,1,2,2-Tetrachloroethane	53		"	50.0		105	79-129		4.13	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	52		"	50.0		104	58-146		2.72	30	
1,1,2-Trichloroethane	53		"	50.0		107	83-123		0.433	30	
1,1-Dichloroethane	51		"	50.0		101	75-130		3.46	30	
1,1-Dichloroethylene	44		"	25.0		177	64-137	High Bias	16.4	30	
1,2,3-Trichlorobenzene	56		"	50.0		111	81-140		0.108	30	
1,2,3-Trichloropropane	58		"	50.0		117	81-126		1.97	30	
1,2,4-Trichlorobenzene	58		"	50.0		117	80-141		5.15	30	
1,2,4-Trimethylbenzene	50		"	50.0		101	84-125		6.71	30	
1,2-Dibromo-3-chloropropane	54		"	50.0		109	74-142		0.367	30	
1,2-Dibromoethane	51		"	50.0		103	86-123		3.75	30	
1,2-Dichlorobenzene	55		"	50.0		109	85-122		1.11	30	
1,2-Dichloroethane	52		"	50.0		104	71-133		2.00	30	
1,2-Dichloropropane	49		"	50.0		98.7	81-122		5.61	30	
1,3,5-Trimethylbenzene	54		"	50.0		108	82-126		2.93	30	
1,3-Dichlorobenzene	58		"	50.0		116	84-124		3.55	30	
1,4-Dichlorobenzene	57		"	50.0		114	84-124		2.43	30	
1,4-Dioxane	1000		"	1000		101	10-228		0.0287	30	
2-Butanone	72		"	50.0		145	58-147		3.20	30	
2-Hexanone	50		"	50.0		99.3	70-139		0.00	30	
4-Methyl-2-pentanone	51		"	50.0		102	72-132		6.41	30	
Acetone	31		"	50.0		61.5	36-155		24.5	30	
Acrolein	46		"	50.0		92.7	10-238		8.89	30	
Acrylonitrile	50		"	50.0		101	66-141		2.39	30	
Benzene	50		"	50.0		99.5	77-127		2.67	30	
Bromochloromethane	48		"	50.0		96.3	74-129		6.96	30	
Bromodichloromethane	54		"	50.0		109	81-124		1.30	30	
Bromoform	55		"	50.0		110	80-136		3.92	30	
Bromomethane	48		"	50.0		96.7	32-177		6.25	30	
Carbon disulfide	45		"	50.0		90.8	10-136		1.03	30	
Carbon tetrachloride	54		"	50.0		107	66-143		1.88	30	
Chlorobenzene	53		"	50.0		106	86-120		1.72	30	
Chloroethane	49		"	50.0		98.5	51-142		1.17	30	
Chloroform	51		"	50.0		102	76-131		0.783	30	
Chloromethane	51		"	50.0		101	49-132		0.356	30	
cis-1,2-Dichloroethylene	50		"	50.0		99.6	74-132		0.847	30	
cis-1,3-Dichloropropylene	53		"	50.0		107	81-129		0.839	30	
Cyclohexane	52		"	50.0		104	70-130		8.99	30	
Dibromochloromethane	57		"	50.0		115	10-200		3.21	30	
Dibromomethane	52		"	50.0		105	83-124		1.56	30	
Dichlorodifluoromethane	50		"	50.0		99.7	28-158		5.03	30	
Ethyl Benzene	55		"	50.0		110	84-125		1.94	30	
Hexachlorobutadiene	54		"	50.0		108	83-133		4.47	30	
Isopropylbenzene	52		"	50.0		105	81-127		0.627	30	
Methyl acetate	60		"	50.0		120	41-143		11.9	30	
Methyl tert-butyl ether (MTBE)	49		"	50.0		98.4	74-131		0.203	30	
Methylcyclohexane	52		"	50.0		103	70-130		1.61	30	
Methylene chloride	43		"	50.0		86.9	57-141		11.8	30	
n-Butylbenzene	58		"	50.0		116	80-130		0.156	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BJ70939 - EPA 5035A

LCS Dup (BJ70939-BSD1)

Prepared & Analyzed: 10/18/2017

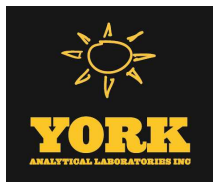
n-Propylbenzene	55		ug/L	50.0	110	74-136			2.23	30
o-Xylene	51		"	50.0	101	83-123			6.62	30
p- & m- Xylenes	110		"	100	107	82-128			2.06	30
p-Isopropyltoluene	56		"	50.0	112	85-125			0.557	30
sec-Butylbenzene	57		"	50.0	113	83-125			1.93	30
Styrene	52		"	50.0	105	86-126			0.172	30
tert-Butyl alcohol (TBA)	61		"	50.0	123	70-130			4.79	30
tert-Butylbenzene	56		"	50.0	113	80-127			5.49	30
Tetrachloroethylene	52		"	50.0	105	80-129			6.07	30
Toluene	53		"	50.0	106	85-121			2.05	30
trans-1,2-Dichloroethylene	48		"	50.0	95.6	72-132			0.501	30
trans-1,3-Dichloropropylene	55		"	50.0	110	78-132			0.235	30
Trichloroethylene	52		"	50.0	105	84-123			0.536	30
Trichlorofluoromethane	50		"	50.0	101	62-140			0.998	30
Vinyl Chloride	47		"	50.0	94.8	52-130			2.00	30
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>52.9</i>		<i>"</i>	<i>50.0</i>	<i>106</i>	<i>77-125</i>				
<i>Surrogate: Toluene-d8</i>	<i>49.8</i>		<i>"</i>	<i>50.0</i>	<i>99.6</i>	<i>85-120</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>47.8</i>		<i>"</i>	<i>50.0</i>	<i>95.6</i>	<i>76-130</i>				

Batch BJ71028 - EPA 5035A

Blank (BJ71028-BLK1)

Prepared & Analyzed: 10/19/2017

1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg wet							
1,1,1-Trichloroethane	ND	5.0	"							
1,1,2,2-Tetrachloroethane	ND	5.0	"							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"							
1,1,2-Trichloroethane	ND	5.0	"							
1,1-Dichloroethane	ND	5.0	"							
1,1-Dichloroethylene	ND	5.0	"							
1,2,3-Trichlorobenzene	ND	5.0	"							
1,2,3-Trichloropropane	ND	5.0	"							
1,2,4-Trichlorobenzene	ND	5.0	"							
1,2,4-Trimethylbenzene	ND	5.0	"							
1,2-Dibromo-3-chloropropane	ND	5.0	"							
1,2-Dibromoethane	ND	5.0	"							
1,2-Dichlorobenzene	ND	5.0	"							
1,2-Dichloroethane	ND	5.0	"							
1,2-Dichloropropane	ND	5.0	"							
1,3,5-Trimethylbenzene	ND	5.0	"							
1,3-Dichlorobenzene	ND	5.0	"							
1,4-Dichlorobenzene	ND	5.0	"							
1,4-Dioxane	ND	100	"							
2-Butanone	ND	5.0	"							
2-Hexanone	ND	5.0	"							
4-Methyl-2-pentanone	ND	5.0	"							
Acetone	ND	10	"							
Acrolein	ND	10	"							
Acrylonitrile	ND	5.0	"							
Benzene	ND	5.0	"							
Bromochloromethane	ND	5.0	"							
Bromodichloromethane	ND	5.0	"							



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BJ71028 - EPA 5035A

Blank (BJ71028-BLK1)

Prepared & Analyzed: 10/19/2017

Bromoform	ND	5.0	ug/kg wet										
Bromomethane	ND	5.0	"										
Carbon disulfide	ND	5.0	"										
Carbon tetrachloride	ND	5.0	"										
Chlorobenzene	ND	5.0	"										
Chloroethane	ND	5.0	"										
Chloroform	ND	5.0	"										
Chloromethane	ND	5.0	"										
cis-1,2-Dichloroethylene	ND	5.0	"										
cis-1,3-Dichloropropylene	ND	5.0	"										
Cyclohexane	ND	5.0	"										
Dibromochloromethane	ND	5.0	"										
Dibromomethane	ND	5.0	"										
Dichlorodifluoromethane	ND	5.0	"										
Ethyl Benzene	ND	5.0	"										
Hexachlorobutadiene	ND	5.0	"										
Isopropylbenzene	ND	5.0	"										
Methyl acetate	ND	5.0	"										
Methyl tert-butyl ether (MTBE)	ND	5.0	"										
Methylcyclohexane	ND	5.0	"										
Methylene chloride	ND	10	"										
n-Butylbenzene	ND	5.0	"										
n-Propylbenzene	ND	5.0	"										
o-Xylene	ND	5.0	"										
p- & m- Xylenes	ND	10	"										
p-Isopropyltoluene	ND	5.0	"										
sec-Butylbenzene	ND	5.0	"										
Styrene	ND	5.0	"										
tert-Butyl alcohol (TBA)	ND	5.0	"										
tert-Butylbenzene	ND	5.0	"										
Tetrachloroethylene	ND	5.0	"										
Toluene	ND	5.0	"										
trans-1,2-Dichloroethylene	ND	5.0	"										
trans-1,3-Dichloropropylene	ND	5.0	"										
Trichloroethylene	ND	5.0	"										
Trichlorofluoromethane	ND	5.0	"										
Vinyl Chloride	ND	5.0	"										
Xylenes, Total	ND	15	"										

Surrogate: 1,2-Dichloroethane-d4	55.2		ug/L	50.0		110	77-125
Surrogate: Toluene-d8	47.6		"	50.0		95.2	85-120
Surrogate: p-Bromofluorobenzene	47.7		"	50.0		95.4	76-130



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting		Spike Level	Source*		%REC Limits	Flag	RPD	
		Limit	Units		Result	%REC			RPD	Limit
Batch BJ71028 - EPA 5035A										
LCS (BJ71028-BS1)										
Prepared & Analyzed: 10/19/2017										
1,1,1,2-Tetrachloroethane	56		ug/L	50.0		112	75-129			
1,1,1-Trichloroethane	58		"	50.0		117	71-137			
1,1,2,2-Tetrachloroethane	55		"	50.0		109	79-129			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	54		"	50.0		108	58-146			
1,1,2-Trichloroethane	52		"	50.0		104	83-123			
1,1-Dichloroethane	54		"	50.0		109	75-130			
1,1-Dichloroethylene	28		"	25.0		111	64-137			
1,2,3-Trichlorobenzene	58		"	50.0		116	81-140			
1,2,3-Trichloropropane	64		"	50.0		128	81-126	High Bias		
1,2,4-Trichlorobenzene	57		"	50.0		115	80-141			
1,2,4-Trimethylbenzene	58		"	50.0		116	84-125			
1,2-Dibromo-3-chloropropane	69		"	50.0		139	74-142			
1,2-Dibromoethane	54		"	50.0		109	86-123			
1,2-Dichlorobenzene	54		"	50.0		109	85-122			
1,2-Dichloroethane	59		"	50.0		119	71-133			
1,2-Dichloropropane	53		"	50.0		107	81-122			
1,3,5-Trimethylbenzene	58		"	50.0		116	82-126			
1,3-Dichlorobenzene	55		"	50.0		111	84-124			
1,4-Dichlorobenzene	55		"	50.0		109	84-124			
1,4-Dioxane	1200		"	1000		120	10-228			
2-Butanone	57		"	50.0		114	58-147			
2-Hexanone	66		"	50.0		132	70-139			
4-Methyl-2-pentanone	63		"	50.0		127	72-132			
Acetone	50		"	50.0		100	36-155			
Acrolein	40		"	50.0		79.5	10-238			
Acrylonitrile	55		"	50.0		110	66-141			
Benzene	50		"	50.0		101	77-127			
Bromochloromethane	49		"	50.0		98.8	74-129			
Bromodichloromethane	57		"	50.0		115	81-124			
Bromoform	60		"	50.0		119	80-136			
Bromomethane	51		"	50.0		102	32-177			
Carbon disulfide	50		"	50.0		99.0	10-136			
Carbon tetrachloride	58		"	50.0		116	66-143			
Chlorobenzene	52		"	50.0		105	86-120			
Chloroethane	59		"	50.0		119	51-142			
Chloroform	53		"	50.0		107	76-131			
Chloromethane	52		"	50.0		105	49-132			
cis-1,2-Dichloroethylene	50		"	50.0		101	74-132			
cis-1,3-Dichloropropylene	54		"	50.0		108	81-129			
Cyclohexane	52		"	50.0		104	70-130			
Dibromochloromethane	56		"	50.0		112	10-200			
Dibromomethane	52		"	50.0		105	83-124			
Dichlorodifluoromethane	55		"	50.0		110	28-158			
Ethyl Benzene	54		"	50.0		108	84-125			
Hexachlorobutadiene	63		"	50.0		125	83-133			
Isopropylbenzene	58		"	50.0		116	81-127			
Methyl acetate	57		"	50.0		114	41-143			
Methyl tert-butyl ether (MTBE)	55		"	50.0		110	74-131			
Methylcyclohexane	55		"	50.0		110	70-130			
Methylene chloride	46		"	50.0		93.0	57-141			
n-Butylbenzene	58		"	50.0		116	80-130			



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Spike	Source*	%REC	%REC	Limits	Flag	RPD	
		Limit							Units	Level
Batch BJ71028 - EPA 5035A										
LCS (BJ71028-BS1)										
Prepared & Analyzed: 10/19/2017										
n-Propylbenzene	58		ug/L	50.0	116	74-136				
o-Xylene	55		"	50.0	110	83-123				
p- & m- Xylenes	110		"	100	107	82-128				
p-Isopropyltoluene	59		"	50.0	117	85-125				
sec-Butylbenzene	57		"	50.0	114	83-125				
Styrene	53		"	50.0	107	86-126				
tert-Butyl alcohol (TBA)	70		"	50.0	139	70-130	High Bias			
tert-Butylbenzene	60		"	50.0	120	80-127				
Tetrachloroethylene	56		"	50.0	111	80-129				
Toluene	52		"	50.0	103	85-121				
trans-1,2-Dichloroethylene	56		"	50.0	111	72-132				
trans-1,3-Dichloropropylene	58		"	50.0	116	78-132				
Trichloroethylene	54		"	50.0	109	84-123				
Trichlorofluoromethane	59		"	50.0	117	62-140				
Vinyl Chloride	56		"	50.0	113	52-130				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>56.1</i>		<i>"</i>	<i>50.0</i>	<i>112</i>	<i>77-125</i>				
<i>Surrogate: Toluene-d8</i>	<i>46.5</i>		<i>"</i>	<i>50.0</i>	<i>93.1</i>	<i>85-120</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>52.5</i>		<i>"</i>	<i>50.0</i>	<i>105</i>	<i>76-130</i>				
LCS Dup (BJ71028-BSD1)										
Prepared & Analyzed: 10/19/2017										
1,1,1,2-Tetrachloroethane	56		ug/L	50.0	111	75-129		1.02	30	
1,1,1-Trichloroethane	55		"	50.0	110	71-137		5.92	30	
1,1,2,2-Tetrachloroethane	51		"	50.0	102	79-129		6.50	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	50		"	50.0	99.3	58-146		8.47	30	
1,1,2-Trichloroethane	50		"	50.0	99.6	83-123		4.52	30	
1,1-Dichloroethane	52		"	50.0	103	75-130		5.03	30	
1,1-Dichloroethylene	26		"	25.0	105	64-137		5.57	30	
1,2,3-Trichlorobenzene	55		"	50.0	110	81-140		5.48	30	
1,2,3-Trichloropropane	58		"	50.0	117	81-126		8.60	30	
1,2,4-Trichlorobenzene	55		"	50.0	110	80-141		3.95	30	
1,2,4-Trimethylbenzene	55		"	50.0	110	84-125		5.78	30	
1,2-Dibromo-3-chloropropane	62		"	50.0	123	74-142		11.8	30	
1,2-Dibromoethane	52		"	50.0	105	86-123		3.97	30	
1,2-Dichlorobenzene	53		"	50.0	105	85-122		3.46	30	
1,2-Dichloroethane	56		"	50.0	111	71-133		6.26	30	
1,2-Dichloropropane	51		"	50.0	103	81-122		3.84	30	
1,3,5-Trimethylbenzene	55		"	50.0	109	82-126		5.89	30	
1,3-Dichlorobenzene	52		"	50.0	105	84-124		5.46	30	
1,4-Dichlorobenzene	52		"	50.0	105	84-124		4.26	30	
1,4-Dioxane	1100		"	1000	107	10-228		11.3	30	
2-Butanone	51		"	50.0	101	58-147		11.4	30	
2-Hexanone	59		"	50.0	118	70-139		10.8	30	
4-Methyl-2-pentanone	59		"	50.0	117	72-132		7.84	30	
Acetone	43		"	50.0	85.2	36-155		16.0	30	
Acrolein	43		"	50.0	86.1	10-238		7.94	30	
Acrylonitrile	47		"	50.0	94.6	66-141		14.6	30	
Benzene	49		"	50.0	97.0	77-127		3.68	30	
Bromochloromethane	51		"	50.0	101	74-129		2.60	30	
Bromodichloromethane	57		"	50.0	113	81-124		1.24	30	
Bromoform	53		"	50.0	106	80-136		11.5	30	
Bromomethane	46		"	50.0	91.5	32-177		10.5	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BJ71028 - EPA 5035A

LCS Dup (BJ71028-BSD1)

Prepared & Analyzed: 10/19/2017

Carbon disulfide	47		ug/L	50.0	94.2	10-136		4.97	30
Carbon tetrachloride	56		"	50.0	112	66-143		4.02	30
Chlorobenzene	51		"	50.0	103	86-120		1.79	30
Chloroethane	60		"	50.0	121	51-142		1.89	30
Chloroform	52		"	50.0	104	76-131		2.93	30
Chloromethane	51		"	50.0	103	49-132		1.77	30
cis-1,2-Dichloroethylene	49		"	50.0	98.7	74-132		1.79	30
cis-1,3-Dichloropropylene	53		"	50.0	107	81-129		1.45	30
Cyclohexane	50		"	50.0	99.8	70-130		4.02	30
Dibromochloromethane	54		"	50.0	108	10-200		3.64	30
Dibromomethane	52		"	50.0	105	83-124		0.0383	30
Dichlorodifluoromethane	51		"	50.0	103	28-158		6.45	30
Ethyl Benzene	53		"	50.0	106	84-125		1.85	30
Hexachlorobutadiene	60		"	50.0	120	83-133		3.92	30
Isopropylbenzene	55		"	50.0	109	81-127		5.94	30
Methyl acetate	50		"	50.0	99.8	41-143		13.6	30
Methyl tert-butyl ether (MTBE)	52		"	50.0	103	74-131		6.15	30
Methylcyclohexane	54		"	50.0	107	70-130		2.45	30
Methylene chloride	44		"	50.0	88.8	57-141		4.64	30
n-Butylbenzene	56		"	50.0	112	80-130		3.43	30
n-Propylbenzene	53		"	50.0	106	74-136		8.71	30
o-Xylene	53		"	50.0	105	83-123		4.47	30
p- & m- Xylenes	100		"	100	104	82-128		2.54	30
p-Isopropyltoluene	55		"	50.0	111	85-125		5.59	30
sec-Butylbenzene	54		"	50.0	108	83-125		4.70	30
Styrene	52		"	50.0	104	86-126		3.23	30
tert-Butyl alcohol (TBA)	58		"	50.0	116	70-130		18.4	30
tert-Butylbenzene	55		"	50.0	111	80-127		8.17	30
Tetrachloroethylene	52		"	50.0	104	80-129		6.32	30
Toluene	51		"	50.0	102	85-121		1.58	30
trans-1,2-Dichloroethylene	51		"	50.0	102	72-132		8.98	30
trans-1,3-Dichloropropylene	56		"	50.0	113	78-132		2.97	30
Trichloroethylene	53		"	50.0	107	84-123		1.56	30
Trichlorofluoromethane	53		"	50.0	106	62-140		10.2	30
Vinyl Chloride	56		"	50.0	112	52-130		0.481	30
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>54.7</i>		<i>"</i>	<i>50.0</i>	<i>109</i>	<i>77-125</i>			
<i>Surrogate: Toluene-d8</i>	<i>48.3</i>		<i>"</i>	<i>50.0</i>	<i>96.6</i>	<i>85-120</i>			
<i>Surrogate: p-Bromofluorobenzene</i>	<i>51.7</i>		<i>"</i>	<i>50.0</i>	<i>103</i>	<i>76-130</i>			



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BJ71020 - EPA 3550C

Blank (BJ71020-BLK1)

Prepared & Analyzed: 10/19/2017

1,1-Biphenyl	ND	41.7	ug/kg wet								
1,2,4,5-Tetrachlorobenzene	ND	83.3	"								
1,2,4-Trichlorobenzene	ND	41.7	"								
1,2-Dichlorobenzene	ND	41.7	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	41.7	"								
1,3-Dichlorobenzene	ND	41.7	"								
1,4-Dichlorobenzene	ND	41.7	"								
2,3,4,6-Tetrachlorophenol	ND	83.3	"								
2,4,5-Trichlorophenol	ND	41.7	"								
2,4,6-Trichlorophenol	ND	41.7	"								
2,4-Dichlorophenol	ND	41.7	"								
2,4-Dimethylphenol	ND	41.7	"								
2,4-Dinitrophenol	ND	83.3	"								
2,4-Dinitrotoluene	ND	41.7	"								
2,6-Dinitrotoluene	ND	41.7	"								
2-Chloronaphthalene	ND	41.7	"								
2-Chlorophenol	ND	41.7	"								
2-Methylnaphthalene	ND	41.7	"								
2-Methylphenol	ND	41.7	"								
2-Nitroaniline	ND	83.3	"								
2-Nitrophenol	ND	41.7	"								
3- & 4-Methylphenols	ND	41.7	"								
3,3-Dichlorobenzidine	ND	41.7	"								
3-Nitroaniline	ND	83.3	"								
4,6-Dinitro-2-methylphenol	ND	83.3	"								
4-Bromophenyl phenyl ether	ND	41.7	"								
4-Chloro-3-methylphenol	ND	41.7	"								
4-Chloroaniline	ND	41.7	"								
4-Chlorophenyl phenyl ether	ND	41.7	"								
4-Nitroaniline	ND	83.3	"								
4-Nitrophenol	ND	83.3	"								
Acenaphthene	ND	41.7	"								
Acenaphthylene	ND	41.7	"								
Acetophenone	ND	41.7	"								
Aniline	ND	167	"								
Anthracene	ND	41.7	"								
Atrazine	ND	41.7	"								
Benzaldehyde	ND	41.7	"								
Benzidine	ND	167	"								
Benzo(a)anthracene	ND	41.7	"								
Benzo(a)pyrene	ND	41.7	"								
Benzo(b)fluoranthene	ND	41.7	"								
Benzo(g,h,i)perylene	ND	41.7	"								
Benzo(k)fluoranthene	ND	41.7	"								
Benzoic acid	ND	41.7	"								
Benzyl alcohol	ND	41.7	"								
Benzyl butyl phthalate	ND	41.7	"								
Bis(2-chloroethoxy)methane	ND	41.7	"								
Bis(2-chloroethyl)ether	ND	41.7	"								
Bis(2-chloroisopropyl)ether	ND	41.7	"								
Bis(2-ethylhexyl)phthalate	ND	41.7	"								



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 BJ71020 - EPA 3550C

Blank (BJ71020-BLK1)

Prepared & Analyzed: 10/19/2017

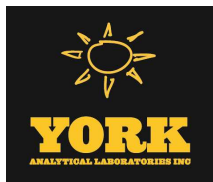
Caprolactam	ND	83.3	ug/kg wet								
Carbazole	ND	41.7	"								
Chrysene	ND	41.7	"								
Dibenzo(a,h)anthracene	ND	41.7	"								
Dibenzofuran	ND	41.7	"								
Diethyl phthalate	ND	41.7	"								
Dimethyl phthalate	ND	41.7	"								
Di-n-butyl phthalate	ND	41.7	"								
Di-n-octyl phthalate	ND	41.7	"								
Fluoranthene	ND	41.7	"								
Fluorene	ND	41.7	"								
Hexachlorobenzene	ND	41.7	"								
Hexachlorobutadiene	ND	41.7	"								
Hexachlorocyclopentadiene	ND	41.7	"								
Hexachloroethane	ND	41.7	"								
Indeno(1,2,3-cd)pyrene	ND	41.7	"								
Isophorone	ND	41.7	"								
Naphthalene	ND	41.7	"								
Nitrobenzene	ND	41.7	"								
N-Nitrosodimethylamine	ND	41.7	"								
N-nitroso-di-n-propylamine	ND	41.7	"								
N-Nitrosodiphenylamine	ND	41.7	"								
Pentachlorophenol	ND	41.7	"								
Phenanthrene	ND	41.7	"								
Phenol	ND	41.7	"								
Pyrene	ND	41.7	"								
Surrogate: 2-Fluorophenol	1740		"	2510		69.4	20-108				
Surrogate: Phenol-d5	2100		"	2570		81.8	23-114				
Surrogate: Nitrobenzene-d5	1040		"	1730		59.9	22-108				
Surrogate: 2-Fluorobiphenyl	970		"	1730		56.2	21-113				
Surrogate: 2,4,6-Tribromophenol	2010		"	2570		78.5	19-110				
Surrogate: Terphenyl-d14	980		"	1680		58.5	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 BJ71020 - EPA 3550C											
LCS (BJ71020-BS1)										Prepared & Analyzed: 10/19/2017	
1,1-Biphenyl	723	41.7	ug/kg wet	833		86.8	22-103				
1,2,4,5-Tetrachlorobenzene	645	83.3	"	833		77.4	10-144				
1,2,4-Trichlorobenzene	535	41.7	"	833		64.2	23-130				
1,2-Dichlorobenzene	538	41.7	"	833		64.6	26-113				
1,2-Diphenylhydrazine (as Azobenzene)	572	41.7	"	833		68.7	10-140				
1,3-Dichlorobenzene	566	41.7	"	833		67.9	32-113				
1,4-Dichlorobenzene	522	41.7	"	833		62.6	28-111				
2,3,4,6-Tetrachlorophenol	1170	83.3	"	833		141	30-130	High Bias			
2,4,5-Trichlorophenol	565	41.7	"	833		67.8	14-138				
2,4,6-Trichlorophenol	672	41.7	"	833		80.6	27-122				
2,4-Dichlorophenol	642	41.7	"	833		77.0	23-133				
2,4-Dimethylphenol	667	41.7	"	833		80.0	15-131				
2,4-Dinitrophenol	373	83.3	"	833		44.8	10-149				
2,4-Dinitrotoluene	551	41.7	"	833		66.2	30-123				
2,6-Dinitrotoluene	581	41.7	"	833		69.7	30-125				
2-Chloronaphthalene	582	41.7	"	833		69.8	22-115				
2-Chlorophenol	669	41.7	"	833		80.3	25-121				
2-Methylnaphthalene	633	41.7	"	833		76.0	16-127				
2-Methylphenol	598	41.7	"	833		71.7	10-146				
2-Nitroaniline	632	83.3	"	833		75.8	24-126				
2-Nitrophenol	593	41.7	"	833		71.1	17-129				
3- & 4-Methylphenols	609	41.7	"	833		73.0	20-109				
3,3-Dichlorobenzidine	1010	41.7	"	833		121	10-147				
3-Nitroaniline	653	83.3	"	833		78.4	23-123				
4,6-Dinitro-2-methylphenol	469	83.3	"	833		56.3	10-149				
4-Bromophenyl phenyl ether	671	41.7	"	833		80.5	30-138				
4-Chloro-3-methylphenol	657	41.7	"	833		78.8	16-138				
4-Chloroaniline	575	41.7	"	833		69.0	10-117				
4-Chlorophenyl phenyl ether	646	41.7	"	833		77.5	18-132				
4-Nitroaniline	754	83.3	"	833		90.4	14-125				
4-Nitrophenol	505	83.3	"	833		60.6	10-136				
Acenaphthene	656	41.7	"	833		78.8	17-124				
Acenaphthylene	593	41.7	"	833		71.1	16-124				
Acetophenone	685	41.7	"	833		82.2	28-105				
Aniline	653	167	"	833		78.4	10-111				
Anthracene	758	41.7	"	833		90.9	24-124				
Atrazine	711	41.7	"	833		85.3	22-120				
Benzaldehyde	722	41.7	"	833		86.7	21-100				
Benzo(a)anthracene	704	41.7	"	833		84.5	25-134				
Benzo(a)pyrene	721	41.7	"	833		86.6	29-144				
Benzo(b)fluoranthene	686	41.7	"	833		82.3	20-151				
Benzo(g,h,i)perylene	747	41.7	"	833		89.6	10-153				
Benzo(k)fluoranthene	760	41.7	"	833		91.2	10-148				
Benzoic acid	306	41.7	"	833		36.8	10-116				
Benzyl alcohol	648	41.7	"	833		77.7	17-128				
Benzyl butyl phthalate	671	41.7	"	833		80.5	10-132				
Bis(2-chloroethoxy)methane	655	41.7	"	833		78.6	10-129				
Bis(2-chloroethyl)ether	600	41.7	"	833		72.0	14-125				
Bis(2-chloroisopropyl)ether	674	41.7	"	833		80.9	14-122				
Bis(2-ethylhexyl)phthalate	659	41.7	"	833		79.1	10-141				
Caprolactam	581	83.3	"	833		69.7	10-123				



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 BJ71020 - EPA 3550C

LCS (BJ71020-BS1)

Prepared & Analyzed: 10/19/2017

Carbazole	798	41.7	ug/kg wet	833		95.8	31-120				
Chrysene	761	41.7	"	833		91.3	24-116				
Dibenzo(a,h)anthracene	683	41.7	"	833		81.9	17-147				
Dibenzofuran	654	41.7	"	833		78.5	23-123				
Diethyl phthalate	616	41.7	"	833		73.9	23-122				
Dimethyl phthalate	642	41.7	"	833		77.1	28-127				
Di-n-butyl phthalate	639	41.7	"	833		76.6	19-123				
Di-n-octyl phthalate	633	41.7	"	833		75.9	10-132				
Fluoranthene	696	41.7	"	833		83.5	36-125				
Fluorene	696	41.7	"	833		83.5	16-130				
Hexachlorobenzene	549	41.7	"	833		65.9	10-129				
Hexachlorobutadiene	533	41.7	"	833		63.9	22-153				
Hexachlorocyclopentadiene	538	41.7	"	833		64.6	10-134				
Hexachloroethane	557	41.7	"	833		66.8	20-112				
Indeno(1,2,3-cd)pyrene	696	41.7	"	833		83.5	10-155				
Isophorone	521	41.7	"	833		62.5	14-131				
Naphthalene	719	41.7	"	833		86.3	20-121				
Nitrobenzene	498	41.7	"	833		59.8	20-121				
N-Nitrosodimethylamine	366	41.7	"	833		43.9	10-124				
N-nitroso-di-n-propylamine	592	41.7	"	833		71.1	21-119				
N-Nitrosodiphenylamine	774	41.7	"	833		92.9	10-163				
Pentachlorophenol	529	41.7	"	833		63.4	10-143				
Phenanthrene	727	41.7	"	833		87.3	24-123				
Phenol	638	41.7	"	833		76.6	15-123				
Pyrene	800	41.7	"	833		96.0	24-132				
Surrogate: 2-Fluorophenol	1830		"	2510		73.1	20-108				
Surrogate: Phenol-d5	2170		"	2570		84.4	23-114				
Surrogate: Nitrobenzene-d5	1130		"	1730		65.6	22-108				
Surrogate: 2-Fluorobiphenyl	973		"	1730		56.3	21-113				
Surrogate: 2,4,6-Tribromophenol	2210		"	2570		86.3	19-110				
Surrogate: Terphenyl-d14	1060		"	1680		63.0	24-116				



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

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

Batch BJ70963 - EPA 3050B

Blank (BJ70963-BLK1)

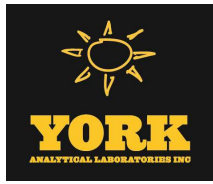
Prepared: 10/18/2017 Analyzed: 10/19/2017

Arsenic	ND	1.00	mg/kg wet								
Barium	ND	1.00	"								
Beryllium	ND	0.100	"								
Cadmium	ND	0.300	"								
Chromium	ND	0.500	"								
Copper	ND	0.500	"								
Lead	ND	0.500	"								
Manganese	ND	0.500	"								
Nickel	ND	0.500	"								
Selenium	ND	1.00	"								
Silver	ND	0.500	"								
Zinc	1.52	1.50	"								

Reference (BJ70963-SRM1)

Prepared: 10/18/2017 Analyzed: 10/19/2017

Arsenic	30.6	1.00	mg/kg wet	29.6	104	67-161.9
Barium	212	1.00	"	198	107	72-129.1
Beryllium	92.7	0.100	"	92.0	101	73.8-126.4
Cadmium	70.5	0.300	"	71.5	98.6	73.3-126.7
Chromium	102	0.500	"	102	100	68.2-132
Copper	173	0.500	"	153	113	72.5-131.4
Lead	142	0.500	"	139	102	69.7-130.8
Manganese	292	0.500	"	270	108	73.9-126
Nickel	138	0.500	"	129	107	70.3-129.7
Selenium	62.8	1.00	"	60.6	104	63.2-136.9
Silver	34.1	0.500	"	36.4	93.8	66.8-133.4
Zinc	223	1.50	"	223	100	69.7-129.8



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

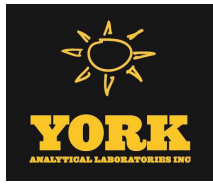
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ70818 - EPA 7473 soil											
Blank (BJ70818-BLK1)											
Prepared & Analyzed: 10/16/2017											
Mercury	ND	0.0300	mg/kg wet								
Reference (BJ70818-SRM1)											
Prepared & Analyzed: 10/16/2017											
Mercury	12.529		mg/kg	13.8		90.8	51.4-168.8				



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ71111 - Analysis Preparation Soil											
Blank (BJ71111-BLK1)										Prepared & Analyzed: 10/20/2017	
Cyanide, total	ND	0.500	mg/kg wet								
Duplicate (BJ71111-DUP1)										*Source sample: 17J0602-01 (SB-1 (10'-12'))	
										Prepared & Analyzed: 10/20/2017	
Cyanide, total	ND	0.552	mg/kg dry		ND						15
Matrix Spike (BJ71111-MS1)										*Source sample: 17J0602-01 (SB-1 (10'-12'))	
										Prepared & Analyzed: 10/20/2017	
Cyanide, total	9.38	0.552	mg/kg dry	11.0	ND	85.0	79.6-107				
Reference (BJ71111-SRM1)										Prepared & Analyzed: 10/20/2017	
Cyanide, total	59.5		ug/mL	53.9		110	37.5-163.7				
Batch BJ71112 - EPA SW846-3060											
Blank (BJ71112-BLK1)										Prepared & Analyzed: 10/20/2017	
Chromium, Hexavalent	ND	0.500	mg/kg wet								
Duplicate (BJ71112-DUP1)										*Source sample: 17J0602-01 (SB-1 (10'-12'))	
										Prepared & Analyzed: 10/20/2017	
Chromium, Hexavalent	ND	0.552	mg/kg dry		0.485						35
Matrix Spike (BJ71112-MS1)										*Source sample: 17J0602-01 (SB-1 (10'-12'))	
										Prepared & Analyzed: 10/20/2017	
Chromium, Hexavalent	22.2	0.552	mg/kg dry	22.1	0.485	98.6	75-125				
Reference (BJ71112-SRM1)										Prepared & Analyzed: 10/20/2017	
Chromium, Hexavalent	195		mg/L	207		94.2	25.6-116.9				



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
17J0602-01	SB-1 (10'-12')	40mL Vial with Stir Bar-Cool 4° C
17J0602-02	SB-2 (2'-4')	40mL Vial with Stir Bar-Cool 4° C
17J0602-03	Sump (0.5'-1')	40mL Vial with Stir Bar-Cool 4° C
17J0602-04	2017.10.13-DUPS1	40mL Vial with Stir Bar-Cool 4° C
17J0602-05	2017.10.13-TB01	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%).
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

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

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

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

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



Certification for pH is no longer offered by NYDOH ELAP.

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

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



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

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. 1750602

YOUR Information Company: <u>LANGAN</u> Address: <u>555 Long Wharf Dr. New Haven CT</u> Phone No. <u>203-562-5771</u> Contact Person: <u>J. HALL</u> E-Mail Address: <u>J.HALL@LANGAN</u>		Report To: Company: _____ Address: _____ Phone No. _____ Attention: _____ E-Mail Address: _____		Invoice To: Company: _____ Address: _____ Phone No. _____ Attention: _____ E-Mail Address: _____		YOUR Project ID <u>140169801</u> Purchase Order No. <u>SAME</u>		Turn-Around Time RUSH - Same Day <input type="checkbox"/> RUSH - Next Day <input type="checkbox"/> RUSH - Two Day <input type="checkbox"/> RUSH - Three Day <input type="checkbox"/> RUSH - Four Day <input type="checkbox"/> Standard(5-7 Days) <input checked="" type="checkbox"/>		Report Type Summary Report _____ Summary w/ QA Summary <input checked="" type="checkbox"/> CT RCP Package _____ CTRCP DQA/DUE Pkg _____ NY ASP A Package _____ NY ASP B Package _____ NJDEP Red. Deliv. _____ <u>Electronic Data Deliverables (EDD)</u>	
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--	-----------------------------------------------------------------------------------------------------------------------	--	------------------------------------------------------------------------------------------------------------------------	--	----------------------------------------------------------------------------------------	--	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--

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

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

Volatiles: 8260 full
 TICs _____
 Site Spec. _____
 STARS list _____
 BTEX _____
 MTBE _____
 TCL list _____
 TAGM list _____
 CT RCP list _____
 Arom. only _____
 Halog. only _____
 App. IX list _____
 8021B list _____

Semi-Vols. 8270 or 625
 STARS list _____
 BN Only _____
 PAH list _____
 TAGM list _____
 CT RCP list _____
 TCL list _____
 Arom. only _____
 Halog. only _____
 App. IX list _____
 8021B list _____

Metals: RCRA8
 PPI3 list _____
 TAL _____
 CT15 list _____
 TAGM list _____
 NJDEP list _____
 Total _____
 Dissolved _____
 SPL Per TCLP _____
 TCLP Herb _____
 Chloridane _____
 608 Pest _____
 TCLP BNA _____
 SPL Per TCLP _____
 608 PCB _____
 Helium _____

Misc. Org. TPH GRO
 TPH DRO _____
 CT ETPH _____
 NY 310-13 _____
 TPH 1664 _____
 Air TO14A _____
 Air TO15 _____
 Air STARS _____
 Air VPH _____
 Air TICs _____
 Methane _____
 Helium _____

Full Lists: Phi-Poll.
 TCL Organics _____
 TAL MetCN _____
 Full TCLP _____
 Full App. IX _____
 Site, Anal. _____
 Part 360 Routine _____
 Heterotrophs _____
 Part 360 Routine _____
 TOX _____
 Part 360 Routine _____
 No. Above Items _____
 Part 360 Routine _____
 Aquatic Tox. _____
 NYDEP Sewer _____
 TOC _____
 NYDEP Sewer _____
 Asbestos _____
 TAGM _____
 Silica _____

Other: _____
 York Regulatory Comparison _____
 Excel Spreadsheet
 Compare to the following Regs. (please fill in):
NYSDEC Part 375

Sample Identification	Date/Time Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
SB-1 (10'-12')	10-12-17 / 11:15	S	VOC (8260), SVOC (8270), NYSDEC Part 375 Metals list	1-8oz, 1-ferrocene set
SB-2 (2'-4')	10-13-17 / 13:30	↓	↓	↓
SUMP (6.5'-1')	13:00	↓	↓	↓
2017-10-13-DUPS1	N/A	↓	↓	↓
2017-10-13-TBO1	N/A	Temp. Bank	↓	2-VOA HCL

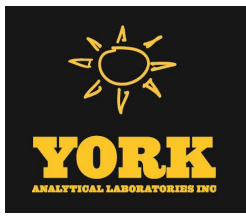
4°C _____ Frozen _____ HCl _____ MeOH _____ HNO₃ _____ H₂SO₄ _____ NaOH _____
 ZrO₂ _____ Ascorbic Acid _____ Other _____

Preservation: Check those Applicable
 Special Instructions: _____
 Field Filtered
 Lab to Filter

Comments: use have RL's meet NYSDEC 375 criteria
once CC results to R. Wohlstrom
at New Haven

Samples Relinquished By: [Signature] Date/Time: 10/13/17 1500
 Samples Received By: [Signature] Date/Time: 10/13/17 1500
 Samples Relinquished in LAB by: _____ Date/Time: _____
 Samples Received in LAB by: _____ Date/Time: _____

Temperature on Receipt: 12.7 °C



Technical Report

prepared for:

Langan Engineering & Environmental Services (CT)

Long Wharf Maritime Center, 555 Long Wharf Drive

New Haven CT, 06511

Attention: Justin Hall

Report Date: 10/23/2017

Client Project ID: 140169801

York Project (SDG) No.: 17J0667

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

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 10/23/2017
Client Project ID: 140169801
York Project (SDG) No.: 17J0667

Langan Engineering & Environmental Services (CT)
Long Wharf Maritime Center, 555 Long Wharf Drive
New Haven CT, 06511
Attention: Justin Hall

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 October 16, 2017 and listed below. The project was identified as your project: **140169801**.

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>
17J0667-01	MW-1	Water	10/16/2017	10/16/2017
17J0667-02	MW-2	Water	10/16/2017	10/16/2017
17J0667-03	2017.10.16-DUPW1	Water	10/16/2017	10/16/2017
17J0667-04	2017.10.16-TB02	Water	10/16/2017	10/16/2017

General Notes for York Project (SDG) No.: 17J0667

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: 10/23/2017





Sample Information

Client Sample ID: MW-1

York Sample ID: 17J0667-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17J0667	140169801	Water	October 16, 2017 9:20 am	10/16/2017

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 17:53	SR
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 17:53	SR
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 17:53	SR
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 17:53	SR
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 17:53	SR
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 17:53	SR
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 17:53	SR
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/17/2017 07:30	10/17/2017 17:53	SR
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/17/2017 07:30	10/17/2017 17:53	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/17/2017 07:30	10/17/2017 17:53	SR
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 17:53	SR
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 17:53	SR
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 17:53	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 17:53	SR
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 17:53	SR
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 17:53	SR
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 17:53	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 17:53	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 17:53	SR
123-91-1	1,4-Dioxane	ND		ug/L	40	80	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/17/2017 07:30	10/17/2017 17:53	SR
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 17:53	SR
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 17:53	SR



Sample Information

Client Sample ID: MW-1

York Sample ID: 17J0667-01

<u>York Project (SDG) No.</u> 17J0667	<u>Client Project ID</u> 140169801	<u>Matrix</u> Water	<u>Collection Date/Time</u> October 16, 2017 9:20 am	<u>Date Received</u> 10/16/2017
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Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 17:53	SR
67-64-1	Acetone	2.3		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 17:53	SR
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 17:53	SR
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 17:53	SR
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 17:53	SR
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/17/2017 07:30	10/17/2017 17:53	SR
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 17:53	SR
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 17:53	SR
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 17:53	SR
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 17:53	SR
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 17:53	SR
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 17:53	SR
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 17:53	SR
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 17:53	SR
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 17:53	SR
156-59-2	cis-1,2-Dichloroethylene	0.25	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 17:53	SR
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 17:53	SR
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/17/2017 07:30	10/17/2017 17:53	SR
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 17:53	SR
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/17/2017 07:30	10/17/2017 17:53	SR
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/17/2017 07:30	10/17/2017 17:53	SR
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 17:53	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/17/2017 07:30	10/17/2017 17:53	SR



Sample Information

Client Sample ID: MW-1

York Sample ID: 17J0667-01

<u>York Project (SDG) No.</u> 17J0667	<u>Client Project ID</u> 140169801	<u>Matrix</u> Water	<u>Collection Date/Time</u> October 16, 2017 9:20 am	<u>Date Received</u> 10/16/2017
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Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 17:53	SR
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/17/2017 07:30	10/17/2017 17:53	SR
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 17:53	SR
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/17/2017 07:30	10/17/2017 17:53	SR
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 17:53	SR
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 17:53	SR
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 17:53	SR
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NELAC-NY10854	10/17/2017 07:30	10/17/2017 17:53	SR
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NELAC-NY10854	10/17/2017 07:30	10/17/2017 17:53	SR
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 17:53	SR
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 17:53	SR
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 17:53	SR
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/17/2017 07:30	10/17/2017 17:53	SR
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 17:53	SR
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 17:53	SR
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 17:53	SR
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 17:53	SR
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 17:53	SR
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 17:53	SR
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 17:53	SR
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 17:53	SR
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 17:53	SR
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	112 %	69-130								
2037-26-5	Surrogate: Toluene-d8	97.1 %	81-117								



Sample Information

Client Sample ID: MW-1

York Sample ID: 17J0667-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17J0667

140169801

Water

October 16, 2017 9:20 am

10/16/2017

Volatile Organics, NJDEP/TCL/Part 375 List

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
460-00-4	Surrogate: <i>p</i> -Bromofluorobenzene	92.7 %			79-122						

Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 09:00	10/22/2017 02:56	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 09:00	10/22/2017 02:56	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 09:00	10/22/2017 02:56	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854-CT,PADEP	10/18/2017 09:00	10/22/2017 02:56	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 09:00	10/22/2017 02:56	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854-CT,PADEP	10/18/2017 09:00	10/22/2017 02:56	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854-CT,PADEP	10/18/2017 09:00	10/22/2017 02:56	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 09:00	10/22/2017 02:56	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 09:00	10/22/2017 02:56	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 09:00	10/22/2017 02:56	KH
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 09:00	10/22/2017 02:56	KH
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 09:00	10/22/2017 02:56	KH
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 09:00	10/22/2017 02:56	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 09:00	10/22/2017 02:56	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 09:00	10/22/2017 02:56	KH
91-58-7	2-Chloronaphthalene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 09:00	10/22/2017 02:56	KH
95-57-8	2-Chlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 09:00	10/22/2017 02:56	KH
91-57-6	2-Methylnaphthalene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 09:00	10/22/2017 02:56	KH
95-48-7	2-Methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 09:00	10/22/2017 02:56	KH
88-74-4	2-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 09:00	10/22/2017 02:56	KH



Sample Information

Client Sample ID: MW-1

York Sample ID: 17J0667-01

York Project (SDG) No.

Client Project ID

Matrix

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140169801

Water

October 16, 2017 9:20 am

10/16/2017

Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
88-75-5	2-Nitrophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 09:00	10/22/2017 02:56	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 09:00	10/22/2017 02:56	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 09:00	10/22/2017 02:56	KH
99-09-2	3-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 09:00	10/22/2017 02:56	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 09:00	10/22/2017 02:56	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 09:00	10/22/2017 02:56	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 09:00	10/22/2017 02:56	KH
106-47-8	4-Chloroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 09:00	10/22/2017 02:56	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 09:00	10/22/2017 02:56	KH
100-01-6	4-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 09:00	10/22/2017 02:56	KH
100-02-7	4-Nitrophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 09:00	10/22/2017 02:56	KH
83-32-9	Acenaphthene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 09:00	10/19/2017 20:12	SR
208-96-8	Acenaphthylene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 09:00	10/19/2017 20:12	SR
98-86-2	Acetophenone	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 09:00	10/22/2017 02:56	KH
62-53-3	Aniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 09:00	10/22/2017 02:56	KH
120-12-7	Anthracene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 09:00	10/19/2017 20:12	SR
1912-24-9	Atrazine	ND		ug/L	0.500	0.500	1	EPA 8270D Certifications: NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 09:00	10/19/2017 20:12	SR
100-52-7	Benzaldehyde	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 09:00	10/22/2017 02:56	KH
92-87-5	Benzidine	ND		ug/L	10.0	20.0	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 09:00	10/22/2017 02:56	KH
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 09:00	10/19/2017 20:12	SR
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 09:00	10/19/2017 20:12	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 09:00	10/19/2017 20:12	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 09:00	10/19/2017 20:12	SR



Sample Information

Client Sample ID: MW-1

York Sample ID: 17J0667-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17J0667

140169801

Water

October 16, 2017 9:20 am

10/16/2017

Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 09:00	10/19/2017 20:12	SR
65-85-0	Benzoic acid	ND		ug/L	25.0	50.0	1	EPA 8270D Certifications: NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 09:00	10/22/2017 02:56	KH
100-51-6	Benzyl alcohol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 09:00	10/22/2017 02:56	KH
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 09:00	10/22/2017 02:56	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 09:00	10/22/2017 02:56	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 09:00	10/22/2017 02:56	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 09:00	10/22/2017 02:56	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.500	0.500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 09:00	10/19/2017 20:12	SR
105-60-2	Caprolactam	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 09:00	10/22/2017 02:56	KH
86-74-8	Carbazole	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 09:00	10/22/2017 02:56	KH
218-01-9	Chrysene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 09:00	10/19/2017 20:12	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 09:00	10/19/2017 20:12	SR
132-64-9	Dibenzofuran	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 09:00	10/22/2017 02:56	KH
84-66-2	Diethyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 09:00	10/22/2017 02:56	KH
131-11-3	Dimethyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 09:00	10/22/2017 02:56	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 09:00	10/22/2017 02:56	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 09:00	10/22/2017 02:56	KH
206-44-0	Fluoranthene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 09:00	10/19/2017 20:12	SR
86-73-7	Fluorene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 09:00	10/19/2017 20:12	SR
118-74-1	Hexachlorobenzene	ND		ug/L	0.0200	0.0200	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 09:00	10/19/2017 20:12	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.500	0.500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 09:00	10/19/2017 20:12	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 09:00	10/22/2017 02:56	KH
67-72-1	Hexachloroethane	ND		ug/L	0.500	0.500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 09:00	10/19/2017 20:12	SR



Sample Information

Client Sample ID: MW-1

York Sample ID: 17J0667-01

<u>York Project (SDG) No.</u> 17J0667	<u>Client Project ID</u> 140169801	<u>Matrix</u> Water	<u>Collection Date/Time</u> October 16, 2017 9:20 am	<u>Date Received</u> 10/16/2017
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Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 09:00	10/19/2017 20:12	SR
78-59-1	Isophorone	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 09:00	10/22/2017 02:56	KH
91-20-3	Naphthalene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 09:00	10/19/2017 20:12	SR
98-95-3	Nitrobenzene	0.280		ug/L	0.250	0.250	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 09:00	10/19/2017 20:12	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.500	0.500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 09:00	10/22/2017 02:56	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 09:00	10/22/2017 02:56	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 09:00	10/22/2017 02:56	KH
87-86-5	Pentachlorophenol	ND		ug/L	0.250	0.250	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 09:00	10/19/2017 20:12	SR
85-01-8	Phenanthrene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 09:00	10/19/2017 20:12	SR
108-95-2	Phenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 09:00	10/22/2017 02:56	KH
129-00-0	Pyrene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/18/2017 09:00	10/19/2017 20:12	SR
	Surrogate Recoveries	Result			Acceptance Range						
367-12-4	Surrogate: 2-Fluorophenol	38.8 %			12-64						
4165-62-2	Surrogate: Phenol-d5	26.4 %			10-82						
4165-60-0	Surrogate: Nitrobenzene-d5	87.2 %			12-96						
321-60-8	Surrogate: 2-Fluorobiphenyl	66.1 %			16-84						
118-79-6	Surrogate: 2,4,6-Tribromophenol	95.5 %			15-104						
1718-51-0	Surrogate: Terphenyl-d14	61.7 %			15-106						

Metals, NYSDEC Part 375

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
7440-38-2	Arsenic	ND		mg/L	0.004	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:59	10/20/2017 19:01	KML
7440-39-3	Barium	0.024		mg/L	0.011	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:59	10/20/2017 19:01	KML
7440-41-7	Beryllium	ND		mg/L	0.001	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:59	10/20/2017 19:01	KML
7440-43-9	Cadmium	ND		mg/L	0.003	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:59	10/20/2017 19:01	KML
7440-47-3	Chromium	ND		mg/L	0.006	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:59	10/20/2017 19:01	KML



Sample Information

Client Sample ID: MW-1

York Sample ID: 17J0667-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17J0667

140169801

Water

October 16, 2017 9:20 am

10/16/2017

Metals, NYSDEC Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-50-8	Copper	ND		mg/L	0.017	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:59	10/20/2017 19:01	KML
7439-92-1	Lead	ND		mg/L	0.006	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:59	10/20/2017 19:01	KML
7439-96-5	Manganese	0.063		mg/L	0.006	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:59	10/20/2017 19:01	KML
7440-02-0	Nickel	ND		mg/L	0.006	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:59	10/20/2017 19:01	KML
7782-49-2	Selenium	0.015		mg/L	0.011	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:59	10/20/2017 19:01	KML
7440-22-4	Silver	ND		mg/L	0.006	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:59	10/20/2017 19:01	KML
7440-66-6	Zinc	ND		mg/L	0.017	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:59	10/20/2017 19:01	KML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00020	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 10:41	10/20/2017 11:09	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-CT,CTDOH,NJDEP,PADEP	10/16/2017 17:59	10/16/2017 21:28	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:	10/20/2017 12:18	10/23/2017 12:50	PAM

Cyanide, Total

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
57-12-5	Cyanide, total	ND		mg/L	0.0100	1	SM 4500 CN C/E Certifications: NELAC-NY10854-CT,CTDOH,NJDEP,PADEP	10/23/2017 08:49	10/23/2017 16:13	DM1



Sample Information

Client Sample ID: MW-2

York Sample ID: 17J0667-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17J0667

140169801

Water

October 16, 2017 11:10 am

10/16/2017

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:21	SR
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:21	SR
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:21	SR
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:21	SR
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:21	SR
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:21	SR
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:21	SR
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/17/2017 07:30	10/17/2017 18:21	SR
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/17/2017 07:30	10/17/2017 18:21	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/17/2017 07:30	10/17/2017 18:21	SR
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:21	SR
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:21	SR
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:21	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:21	SR
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:21	SR
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:21	SR
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:21	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:21	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:21	SR
123-91-1	1,4-Dioxane	ND		ug/L	40	80	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/17/2017 07:30	10/17/2017 18:21	SR
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:21	SR
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:21	SR
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:21	SR



Sample Information

Client Sample ID: MW-2

York Sample ID: 17J0667-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17J0667

140169801

Water

October 16, 2017 11:10 am

10/16/2017

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	4.3		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:21	SR
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:21	SR
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:21	SR
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:21	SR
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/17/2017 07:30	10/17/2017 18:21	SR
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:21	SR
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:21	SR
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:21	SR
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:21	SR
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:21	SR
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:21	SR
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:21	SR
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:21	SR
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:21	SR
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:21	SR
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:21	SR
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/17/2017 07:30	10/17/2017 18:21	SR
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:21	SR
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/17/2017 07:30	10/17/2017 18:21	SR
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/17/2017 07:30	10/17/2017 18:21	SR
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:21	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/17/2017 07:30	10/17/2017 18:21	SR
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:21	SR



Sample Information

Client Sample ID: MW-2

York Sample ID: 17J0667-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17J0667

140169801

Water

October 16, 2017 11:10 am

10/16/2017

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/17/2017 07:30	10/17/2017 18:21	SR
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:21	SR
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/17/2017 07:30	10/17/2017 18:21	SR
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:21	SR
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:21	SR
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:21	SR
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NELAC-NY10854-	10/17/2017 07:30	10/17/2017 18:21	SR
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NELAC-NY10854-	10/17/2017 07:30	10/17/2017 18:21	SR
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:21	SR
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:21	SR
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:21	SR
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/17/2017 07:30	10/17/2017 18:21	SR
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:21	SR
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:21	SR
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:21	SR
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:21	SR
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:21	SR
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:21	SR
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:21	SR
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:21	SR
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:21	SR

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	114 %	69-130
2037-26-5	Surrogate: Toluene-d8	96.4 %	81-117
460-00-4	Surrogate: p-Bromofluorobenzene	87.0 %	79-122



Sample Information

Client Sample ID: MW-2

York Sample ID: 17J0667-02

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Water

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Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 03:29	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 03:29	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 03:29	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854-CT,PADEP	10/20/2017 08:04	10/22/2017 03:29	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 03:29	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854-CT,PADEP	10/20/2017 08:04	10/22/2017 03:29	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854-CT,PADEP	10/20/2017 08:04	10/22/2017 03:29	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 03:29	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 03:29	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 03:29	KH
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 03:29	KH
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 03:29	KH
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 03:29	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 03:29	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 03:29	KH
91-58-7	2-Chloronaphthalene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 03:29	KH
95-57-8	2-Chlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 03:29	KH
91-57-6	2-Methylnaphthalene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 03:29	KH
95-48-7	2-Methylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 03:29	KH
88-74-4	2-Nitroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 03:29	KH
88-75-5	2-Nitrophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 03:29	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 03:29	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 03:29	KH



Sample Information

Client Sample ID: MW-2

York Sample ID: 17J0667-02

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Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
99-09-2	3-Nitroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 03:29	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 03:29	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 03:29	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 03:29	KH
106-47-8	4-Chloroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 03:29	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 03:29	KH
100-01-6	4-Nitroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 03:29	KH
100-02-7	4-Nitrophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 03:29	KH
83-32-9	Acenaphthene	ND		ug/L	0.0556	0.0556	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/20/2017 16:28	SR
208-96-8	Acenaphthylene	ND		ug/L	0.0556	0.0556	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/20/2017 16:28	SR
98-86-2	Acetophenone	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 03:29	KH
62-53-3	Aniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 03:29	KH
120-12-7	Anthracene	ND		ug/L	0.0556	0.0556	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/20/2017 16:28	SR
1912-24-9	Atrazine	ND		ug/L	0.556	0.556	1	EPA 8270D Certifications: NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/20/2017 16:28	SR
100-52-7	Benzaldehyde	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 03:29	KH
92-87-5	Benzidine	ND		ug/L	11.1	22.2	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 03:29	KH
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0556	0.0556	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/20/2017 16:28	SR
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0556	0.0556	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/20/2017 16:28	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0556	0.0556	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/20/2017 16:28	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0556	0.0556	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/20/2017 16:28	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0556	0.0556	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/20/2017 16:28	SR
65-85-0	Benzoic acid	ND		ug/L	27.8	55.6	1	EPA 8270D Certifications: NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 03:29	KH
100-51-6	Benzyl alcohol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 03:29	KH



Sample Information

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Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 03:29	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 03:29	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 03:29	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 03:29	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.556	0.556	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/20/2017 16:28	SR
105-60-2	Caprolactam	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 03:29	KH
86-74-8	Carbazole	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 03:29	KH
218-01-9	Chrysene	ND		ug/L	0.0556	0.0556	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/20/2017 16:28	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0556	0.0556	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/20/2017 16:28	SR
132-64-9	Dibenzofuran	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 03:29	KH
84-66-2	Diethyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 03:29	KH
131-11-3	Dimethyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 03:29	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 03:29	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 03:29	KH
206-44-0	Fluoranthene	0.156		ug/L	0.0556	0.0556	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/20/2017 16:28	SR
86-73-7	Fluorene	ND		ug/L	0.0556	0.0556	1	EPA 8270D Certifications: NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/20/2017 16:28	SR
118-74-1	Hexachlorobenzene	ND		ug/L	0.0222	0.0222	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/20/2017 16:28	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.556	0.556	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/20/2017 16:28	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 03:29	KH
67-72-1	Hexachloroethane	ND		ug/L	0.556	0.556	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/20/2017 16:28	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0556	0.0556	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/20/2017 16:28	SR
78-59-1	Isophorone	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 03:29	KH
91-20-3	Naphthalene	0.0778		ug/L	0.0556	0.0556	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/20/2017 16:28	SR



Sample Information

Client Sample ID: MW-2

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Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-95-3	Nitrobenzene	ND		ug/L	0.278	0.278	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/20/2017 16:28	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.556	0.556	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/20/2017 16:28	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 03:29	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 03:29	KH
87-86-5	Pentachlorophenol	ND		ug/L	0.278	0.278	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/20/2017 16:28	SR
85-01-8	Phenanthrene	0.122		ug/L	0.0556	0.0556	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/20/2017 16:28	SR
108-95-2	Phenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 03:29	KH
129-00-0	Pyrene	0.100		ug/L	0.0556	0.0556	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/20/2017 16:28	SR
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: 2-Fluorophenol	41.1 %			12-64						
4165-62-2	Surrogate: Phenol-d5	28.8 %			10-82						
4165-60-0	Surrogate: Nitrobenzene-d5	86.0 %			12-96						
321-60-8	Surrogate: 2-Fluorobiphenyl	66.7 %			16-84						
118-79-6	Surrogate: 2,4,6-Tribromophenol	101 %			15-104						
1718-51-0	Surrogate: Terphenyl-d14	57.4 %			15-106						

Metals, NYSDEC Part 375

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
7440-38-2	Arsenic	ND		mg/L	0.004	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:59	10/20/2017 19:06	KML
7440-39-3	Barium	0.465		mg/L	0.011	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:59	10/20/2017 19:06	KML
7440-41-7	Beryllium	ND		mg/L	0.001	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:59	10/20/2017 19:06	KML
7440-43-9	Cadmium	ND		mg/L	0.003	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:59	10/20/2017 19:06	KML
7440-47-3	Chromium	0.060		mg/L	0.006	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:59	10/20/2017 19:06	KML
7440-50-8	Copper	0.093	B	mg/L	0.017	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:59	10/20/2017 19:06	KML
7439-92-1	Lead	0.012		mg/L	0.006	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:59	10/20/2017 19:06	KML



Sample Information

Client Sample ID: MW-2

York Sample ID: 17J0667-02

<u>York Project (SDG) No.</u> 17J0667	<u>Client Project ID</u> 140169801	<u>Matrix</u> Water	<u>Collection Date/Time</u> October 16, 2017 11:10 am	<u>Date Received</u> 10/16/2017
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Metals, NYSDEC Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	Manganese	5.11		mg/L	0.006	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:59	10/20/2017 19:06	KML
7440-02-0	Nickel	0.077		mg/L	0.006	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:59	10/20/2017 19:06	KML
7782-49-2	Selenium	ND		mg/L	0.011	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:59	10/20/2017 19:06	KML
7440-22-4	Silver	ND		mg/L	0.006	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:59	10/20/2017 19:06	KML
7440-66-6	Zinc	0.056		mg/L	0.017	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:59	10/20/2017 19:06	KML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00020	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 10:41	10/20/2017 11:44	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-CT,CTDOH,NJDEP,PADEP	10/16/2017 17:59	10/16/2017 21:28	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	0.0600		mg/L	0.0100	1	Calculation Certifications:	10/20/2017 12:18	10/23/2017 12:50	PAM

Cyanide, Total

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
57-12-5	Cyanide, total	ND		mg/L	0.0100	1	SM 4500 CN C/E Certifications: NELAC-NY10854-CT,CTDOH,NJDEP,PADEP	10/23/2017 08:49	10/23/2017 16:13	DM1



Sample Information

Client Sample ID: 2017.10.16-DUPW1

York Sample ID: 17J0667-03

<u>York Project (SDG) No.</u> 17J0667	<u>Client Project ID</u> 140169801	<u>Matrix</u> Water	<u>Collection Date/Time</u> October 16, 2017 12:00 am	<u>Date Received</u> 10/16/2017
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Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:48	SR
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:48	SR
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:48	SR
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:48	SR
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:48	SR
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:48	SR
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:48	SR
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/17/2017 07:30	10/17/2017 18:48	SR
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/17/2017 07:30	10/17/2017 18:48	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/17/2017 07:30	10/17/2017 18:48	SR
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:48	SR
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:48	SR
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:48	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:48	SR
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:48	SR
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:48	SR
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:48	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:48	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:48	SR
123-91-1	1,4-Dioxane	ND		ug/L	40	80	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/17/2017 07:30	10/17/2017 18:48	SR
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:48	SR
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:48	SR
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:48	SR



Sample Information

Client Sample ID: 2017.10.16-DUPW1

York Sample ID: 17J0667-03

<u>York Project (SDG) No.</u> 17J0667	<u>Client Project ID</u> 140169801	<u>Matrix</u> Water	<u>Collection Date/Time</u> October 16, 2017 12:00 am	<u>Date Received</u> 10/16/2017
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Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	1.9	J	ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:48	SR
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:48	SR
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:48	SR
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:48	SR
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/17/2017 07:30	10/17/2017 18:48	SR
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:48	SR
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:48	SR
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:48	SR
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:48	SR
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:48	SR
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:48	SR
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:48	SR
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:48	SR
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:48	SR
156-59-2	cis-1,2-Dichloroethylene	0.22	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:48	SR
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:48	SR
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/17/2017 07:30	10/17/2017 18:48	SR
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:48	SR
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/17/2017 07:30	10/17/2017 18:48	SR
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/17/2017 07:30	10/17/2017 18:48	SR
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:48	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/17/2017 07:30	10/17/2017 18:48	SR
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:48	SR



Sample Information

Client Sample ID: 2017.10.16-DUPW1

York Sample ID: 17J0667-03

<u>York Project (SDG) No.</u> 17J0667	<u>Client Project ID</u> 140169801	<u>Matrix</u> Water	<u>Collection Date/Time</u> October 16, 2017 12:00 am	<u>Date Received</u> 10/16/2017
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Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/17/2017 07:30	10/17/2017 18:48	SR
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:48	SR
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/17/2017 07:30	10/17/2017 18:48	SR
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:48	SR
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:48	SR
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:48	SR
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NELAC-NY10854-	10/17/2017 07:30	10/17/2017 18:48	SR
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NELAC-NY10854-	10/17/2017 07:30	10/17/2017 18:48	SR
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:48	SR
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:48	SR
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:48	SR
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/17/2017 07:30	10/17/2017 18:48	SR
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:48	SR
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:48	SR
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:48	SR
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:48	SR
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:48	SR
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:48	SR
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:48	SR
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:48	SR
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 18:48	SR

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	110 %	69-130
2037-26-5	Surrogate: Toluene-d8	96.9 %	81-117
460-00-4	Surrogate: p-Bromofluorobenzene	94.0 %	79-122



Sample Information

Client Sample ID: 2017.10.16-DUPW1

York Sample ID: 17J0667-03

<u>York Project (SDG) No.</u> 17J0667	<u>Client Project ID</u> 140169801	<u>Matrix</u> Water	<u>Collection Date/Time</u> October 16, 2017 12:00 am	<u>Date Received</u> 10/16/2017
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Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 04:02	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 04:02	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 04:02	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854-CT,PADEP	10/20/2017 08:04	10/22/2017 04:02	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 04:02	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854-CT,PADEP	10/20/2017 08:04	10/22/2017 04:02	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854-CT,PADEP	10/20/2017 08:04	10/22/2017 04:02	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 04:02	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 04:02	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 04:02	KH
120-83-2	2,4-Dichlorophenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 04:02	KH
105-67-9	2,4-Dimethylphenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 04:02	KH
51-28-5	2,4-Dinitrophenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 04:02	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 04:02	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 04:02	KH
91-58-7	2-Chloronaphthalene	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 04:02	KH
95-57-8	2-Chlorophenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 04:02	KH
91-57-6	2-Methylnaphthalene	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 04:02	KH
95-48-7	2-Methylphenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 04:02	KH
88-74-4	2-Nitroaniline	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 04:02	KH
88-75-5	2-Nitrophenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 04:02	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 04:02	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 04:02	KH



Sample Information

Client Sample ID: 2017.10.16-DUPW1

York Sample ID: 17J0667-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17J0667

140169801

Water

October 16, 2017 12:00 am

10/16/2017

Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
99-09-2	3-Nitroaniline	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 04:02	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 04:02	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 04:02	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 04:02	KH
106-47-8	4-Chloroaniline	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 04:02	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 04:02	KH
100-01-6	4-Nitroaniline	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 04:02	KH
100-02-7	4-Nitrophenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 04:02	KH
83-32-9	Acenaphthene	ND		ug/L	0.0606	0.0606	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/20/2017 16:59	SR
208-96-8	Acenaphthylene	ND		ug/L	0.0606	0.0606	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/20/2017 16:59	SR
98-86-2	Acetophenone	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 04:02	KH
62-53-3	Aniline	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 04:02	KH
120-12-7	Anthracene	ND		ug/L	0.0606	0.0606	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/20/2017 16:59	SR
1912-24-9	Atrazine	ND		ug/L	0.606	0.606	1	EPA 8270D Certifications: NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/20/2017 16:59	SR
100-52-7	Benzaldehyde	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 04:02	KH
92-87-5	Benzidine	ND		ug/L	12.1	24.2	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 04:02	KH
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0606	0.0606	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/20/2017 16:59	SR
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0606	0.0606	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/20/2017 16:59	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0606	0.0606	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/20/2017 16:59	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0606	0.0606	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/20/2017 16:59	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0606	0.0606	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/20/2017 16:59	SR
65-85-0	Benzoic acid	ND		ug/L	30.3	60.6	1	EPA 8270D Certifications: NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 04:02	KH
100-51-6	Benzyl alcohol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 04:02	KH



Sample Information

Client Sample ID: 2017.10.16-DUPW1

York Sample ID: 17J0667-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17J0667

140169801

Water

October 16, 2017 12:00 am

10/16/2017

Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-68-7	Benzyl butyl phthalate	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 04:02	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 04:02	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 04:02	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 04:02	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.606	0.606	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/20/2017 16:59	SR
105-60-2	Caprolactam	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 04:02	KH
86-74-8	Carbazole	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 04:02	KH
218-01-9	Chrysene	ND		ug/L	0.0606	0.0606	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/20/2017 16:59	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0606	0.0606	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/20/2017 16:59	SR
132-64-9	Dibenzofuran	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 04:02	KH
84-66-2	Diethyl phthalate	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 04:02	KH
131-11-3	Dimethyl phthalate	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 04:02	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 04:02	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 04:02	KH
206-44-0	Fluoranthene	ND		ug/L	0.0606	0.0606	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/20/2017 16:59	SR
86-73-7	Fluorene	ND		ug/L	0.0606	0.0606	1	EPA 8270D Certifications: NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/20/2017 16:59	SR
118-74-1	Hexachlorobenzene	ND		ug/L	0.0242	0.0242	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/20/2017 16:59	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.606	0.606	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/20/2017 16:59	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 04:02	KH
67-72-1	Hexachloroethane	ND		ug/L	0.606	0.606	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/20/2017 16:59	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0606	0.0606	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/20/2017 16:59	SR
78-59-1	Isophorone	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 04:02	KH
91-20-3	Naphthalene	ND		ug/L	0.0606	0.0606	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/20/2017 16:59	SR



Sample Information

Client Sample ID: 2017.10.16-DUPW1

York Sample ID: 17J0667-03

<u>York Project (SDG) No.</u> 17J0667	<u>Client Project ID</u> 140169801	<u>Matrix</u> Water	<u>Collection Date/Time</u> October 16, 2017 12:00 am	<u>Date Received</u> 10/16/2017
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Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-95-3	Nitrobenzene	ND		ug/L	0.303	0.303	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/20/2017 16:59	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.606	0.606	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/20/2017 16:59	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 04:02	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 04:02	KH
87-86-5	Pentachlorophenol	ND		ug/L	0.303	0.303	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/20/2017 16:59	SR
85-01-8	Phenanthrene	ND		ug/L	0.0606	0.0606	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/20/2017 16:59	SR
108-95-2	Phenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/22/2017 04:02	KH
129-00-0	Pyrene	ND		ug/L	0.0606	0.0606	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:04	10/20/2017 16:59	SR
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	41.1 %	12-64								
4165-62-2	Surrogate: Phenol-d5	29.7 %	10-82								
4165-60-0	Surrogate: Nitrobenzene-d5	82.3 %	12-96								
321-60-8	Surrogate: 2-Fluorobiphenyl	63.7 %	16-84								
118-79-6	Surrogate: 2,4,6-Tribromophenol	97.2 %	15-104								
1718-51-0	Surrogate: Terphenyl-d14	61.0 %	15-106								

Metals, NYSDEC Part 375

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
7440-38-2	Arsenic	ND		mg/L	0.004	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:59	10/20/2017 19:11	KML
7440-39-3	Barium	0.025		mg/L	0.011	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:59	10/20/2017 19:11	KML
7440-41-7	Beryllium	ND		mg/L	0.001	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:59	10/20/2017 19:11	KML
7440-43-9	Cadmium	ND		mg/L	0.003	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:59	10/20/2017 19:11	KML
7440-47-3	Chromium	ND		mg/L	0.006	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:59	10/20/2017 19:11	KML
7440-50-8	Copper	ND		mg/L	0.017	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:59	10/20/2017 19:11	KML
7439-92-1	Lead	ND		mg/L	0.006	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:59	10/20/2017 19:11	KML
7439-96-5	Manganese	0.063		mg/L	0.006	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:59	10/20/2017 19:11	KML



Sample Information

Client Sample ID: 2017.10.16-DUPW1

York Sample ID: 17J0667-03

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 17J0667, 140169801, Water, October 16, 2017 12:00 am, 10/16/2017

Metals, NYSDEC Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows for Nickel, Selenium, Silver, Zinc.

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row for Mercury.

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row for Chromium, Hexavalent.

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row for Chromium, Trivalent.

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row for Cyanide, total.

Sample Information

Client Sample ID: 2017.10.16-TB02

York Sample ID: 17J0667-04

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 17J0667, 140169801, Water, October 16, 2017 12:00 am, 10/16/2017



Sample Information

Client Sample ID: 2017.10.16-TB02

York Sample ID: 17J0667-04

<u>York Project (SDG) No.</u> 17J0667	<u>Client Project ID</u> 140169801	<u>Matrix</u> Water	<u>Collection Date/Time</u> October 16, 2017 12:00 am	<u>Date Received</u> 10/16/2017
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Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 16:58	SR
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 16:58	SR
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 16:58	SR
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 16:58	SR
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 16:58	SR
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 16:58	SR
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 16:58	SR
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/17/2017 07:30	10/17/2017 16:58	SR
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/17/2017 07:30	10/17/2017 16:58	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/17/2017 07:30	10/17/2017 16:58	SR
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 16:58	SR
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 16:58	SR
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 16:58	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 16:58	SR
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 16:58	SR
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 16:58	SR
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 16:58	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 16:58	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 16:58	SR
123-91-1	1,4-Dioxane	ND		ug/L	40	80	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/17/2017 07:30	10/17/2017 16:58	SR
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 16:58	SR
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 16:58	SR
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 16:58	SR



Sample Information

Client Sample ID: 2017.10.16-TB02

York Sample ID: 17J0667-04

<u>York Project (SDG) No.</u> 17J0667	<u>Client Project ID</u> 140169801	<u>Matrix</u> Water	<u>Collection Date/Time</u> October 16, 2017 12:00 am	<u>Date Received</u> 10/16/2017
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Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	2.3		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 16:58	SR
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 16:58	SR
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 16:58	SR
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 16:58	SR
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/17/2017 07:30	10/17/2017 16:58	SR
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 16:58	SR
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 16:58	SR
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 16:58	SR
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 16:58	SR
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 16:58	SR
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 16:58	SR
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 16:58	SR
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 16:58	SR
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 16:58	SR
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 16:58	SR
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 16:58	SR
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/17/2017 07:30	10/17/2017 16:58	SR
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 16:58	SR
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/17/2017 07:30	10/17/2017 16:58	SR
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/17/2017 07:30	10/17/2017 16:58	SR
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 16:58	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/17/2017 07:30	10/17/2017 16:58	SR
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 16:58	SR



Sample Information

Client Sample ID: 2017.10.16-TB02

York Sample ID: 17J0667-04

<u>York Project (SDG) No.</u> 17J0667	<u>Client Project ID</u> 140169801	<u>Matrix</u> Water	<u>Collection Date/Time</u> October 16, 2017 12:00 am	<u>Date Received</u> 10/16/2017
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Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/17/2017 07:30	10/17/2017 16:58	SR
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 16:58	SR
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/17/2017 07:30	10/17/2017 16:58	SR
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 16:58	SR
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 16:58	SR
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 16:58	SR
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NELAC-NY10854-	10/17/2017 07:30	10/17/2017 16:58	SR
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NELAC-NY10854-	10/17/2017 07:30	10/17/2017 16:58	SR
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 16:58	SR
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 16:58	SR
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 16:58	SR
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/17/2017 07:30	10/17/2017 16:58	SR
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 16:58	SR
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 16:58	SR
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 16:58	SR
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 16:58	SR
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 16:58	SR
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 16:58	SR
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 16:58	SR
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 16:58	SR
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 07:30	10/17/2017 16:58	SR

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	111 %	69-130
2037-26-5	Surrogate: Toluene-d8	97.7 %	81-117
460-00-4	Surrogate: p-Bromofluorobenzene	95.5 %	79-122



Sample Information

Client Sample ID: 2017.10.16-TB02

York Sample ID: 17J0667-04

York Project (SDG) No.
17J0667

Client Project ID
140169801

Matrix
Water

Collection Date/Time
October 16, 2017 12:00 am

Date Received
10/16/2017



Analytical Batch Summary

Batch ID: BJ70831 **Preparation Method:** Analysis Preparation **Prepared By:** TJM

YORK Sample ID	Client Sample ID	Preparation Date
17J0667-01	MW-1	10/16/17
17J0667-02	MW-2	10/16/17
17J0667-03	2017.10.16-DUPW1	10/16/17
BJ70831-BLK1	Blank	10/16/17
BJ70831-BS1	LCS	10/16/17
BJ70831-DUP1	Duplicate	10/16/17
BJ70831-MS1	Matrix Spike	10/16/17

Batch ID: BJ70847 **Preparation Method:** EPA 5030B **Prepared By:** RDS

YORK Sample ID	Client Sample ID	Preparation Date
17J0667-01	MW-1	10/17/17
17J0667-02	MW-2	10/17/17
17J0667-03	2017.10.16-DUPW1	10/17/17
17J0667-04	2017.10.16-TB02	10/17/17
BJ70847-BLK1	Blank	10/17/17
BJ70847-BS1	LCS	10/17/17
BJ70847-BSD1	LCS Dup	10/17/17

Batch ID: BJ70944 **Preparation Method:** EPA 3510C **Prepared By:** TMP

YORK Sample ID	Client Sample ID	Preparation Date
17J0667-01	MW-1	10/18/17
BJ70944-BLK1	Blank	10/18/17
BJ70944-BLK2	Blank	10/18/17
BJ70944-BS1	LCS	10/18/17
BJ70944-BS2	LCS	10/18/17
BJ70944-BSD1	LCS Dup	10/18/17

Batch ID: BJ71109 **Preparation Method:** EPA 3510C **Prepared By:** KNK

YORK Sample ID	Client Sample ID	Preparation Date
17J0667-02	MW-2	10/20/17
17J0667-03	2017.10.16-DUPW1	10/20/17
BJ71109-BLK1	Blank	10/20/17
BJ71109-BLK2	Blank	10/20/17
BJ71109-BS1	LCS	10/20/17
BJ71109-BS2	LCS	10/20/17
BJ71109-BSD1	LCS Dup	10/20/17

Batch ID: BJ71117 **Preparation Method:** EPA 3015A **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
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17J0667-01	MW-1	10/20/17
17J0667-02	MW-2	10/20/17
17J0667-03	2017.10.16-DUPW1	10/20/17
BJ71117-BLK1	Blank	10/20/17
BJ71117-SRM1	Reference	10/20/17

Batch ID: BJ71129 **Preparation Method:** EPA 7473 water **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
17J0667-01	MW-1	10/20/17
17J0667-02	MW-2	10/20/17
17J0667-03	2017.10.16-DUPW1	10/20/17
BJ71129-BLK1	Blank	10/20/17
BJ71129-DUP1	Duplicate	10/20/17
BJ71129-MS1	Matrix Spike	10/20/17
BJ71129-SRM1	Reference	10/20/17

Batch ID: BJ71140 **Preparation Method:** Analysis Preparation **Prepared By:** PAM

YORK Sample ID	Client Sample ID	Preparation Date
17J0667-01	MW-1	10/20/17
17J0667-02	MW-2	10/20/17
17J0667-03	2017.10.16-DUPW1	10/20/17

Batch ID: BJ71180 **Preparation Method:** Analysis Preparation **Prepared By:** DM1

YORK Sample ID	Client Sample ID	Preparation Date
17J0667-01	MW-1	10/23/17
17J0667-02	MW-2	10/23/17
17J0667-03	2017.10.16-DUPW1	10/23/17
BJ71180-BLK1	Blank	10/23/17
BJ71180-BS1	LCS	10/23/17
BJ71180-DUP1	Duplicate	10/23/17
BJ71180-MS1	Matrix Spike	10/23/17



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BJ70847 - EPA 5030B

Blank (BJ70847-BLK1)

Prepared & Analyzed: 10/17/2017

1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
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	"								
1,2,3-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	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	80	"								
2-Butanone	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	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	2.0	"								



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 BJ70847 - EPA 5030B

Blank (BJ70847-BLK1)

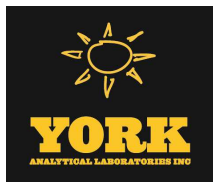
Prepared & Analyzed: 10/17/2017

n-Butylbenzene	ND	0.50	ug/L								
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	1.0	"								
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	"								
<hr/>											
Surrogate: 1,2-Dichloroethane-d4	11.0		"	10.0		110	69-130				
Surrogate: Toluene-d8	9.71		"	10.0		97.1	81-117				
Surrogate: p-Bromofluorobenzene	9.16		"	10.0		91.6	79-122				

LCS (BJ70847-BS1)

Prepared & Analyzed: 10/17/2017

1,1,1,2-Tetrachloroethane	11		ug/L	10.0		108	82-126				
1,1,1-Trichloroethane	12		"	10.0		119	78-136				
1,1,2,2-Tetrachloroethane	8.9		"	10.0		88.9	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	13		"	10.0		126	54-165				
1,1,2-Trichloroethane	9.4		"	10.0		93.6	82-123				
1,1-Dichloroethane	11		"	10.0		108	82-129				
1,1-Dichloroethylene	11		"	5.00		222	68-138	High Bias			
1,2,3-Trichlorobenzene	9.5		"	10.0		95.4	76-136				
1,2,3-Trichloropropane	9.3		"	10.0		92.6	77-128				
1,2,4-Trichlorobenzene	10		"	10.0		101	76-137				
1,2,4-Trimethylbenzene	11		"	10.0		106	82-132				
1,2-Dibromo-3-chloropropane	9.2		"	10.0		92.4	45-147				
1,2-Dibromoethane	9.4		"	10.0		94.2	83-124				
1,2-Dichlorobenzene	9.7		"	10.0		97.4	79-123				
1,2-Dichloroethane	11		"	10.0		109	73-132				
1,2-Dichloropropane	9.5		"	10.0		94.8	78-126				
1,3,5-Trimethylbenzene	10		"	10.0		103	80-131				
1,3-Dichlorobenzene	10		"	10.0		104	86-122				
1,4-Dichlorobenzene	10		"	10.0		101	85-124				
1,4-Dioxane	210		"	200		103	10-349				
2-Butanone	6.2		"	10.0		62.2	49-152				
2-Hexanone	9.6		"	10.0		96.0	51-146				
4-Methyl-2-pentanone	9.8		"	10.0		97.5	57-145				
Acetone	10		"	10.0		103	14-150				
Acrolein	7.3		"	10.0		73.4	10-153				
Acrylonitrile	9.6		"	10.0		96.2	51-150				
Benzene	10		"	10.0		103	85-126				
Bromochloromethane	11		"	10.0		111	77-128				
Bromodichloromethane	10		"	10.0		100	79-128				



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 BJ70847 - EPA 5030B

LCS (BJ70847-BS1)

Prepared & Analyzed: 10/17/2017

Bromoform	9.6		ug/L	10.0		96.3	78-133				
Bromomethane	6.1		"	10.0		60.6	43-168				
Carbon disulfide	10		"	10.0		102	68-146				
Carbon tetrachloride	12		"	10.0		124	77-141				
Chlorobenzene	10		"	10.0		102	88-120				
Chloroethane	13		"	10.0		126	65-136				
Chloroform	10		"	10.0		105	82-128				
Chloromethane	11		"	10.0		107	43-155				
cis-1,2-Dichloroethylene	11		"	10.0		106	83-129				
cis-1,3-Dichloropropylene	9.8		"	10.0		97.8	80-131				
Cyclohexane	13		"	10.0		130	63-149				
Dibromochloromethane	10		"	10.0		99.8	80-130				
Dibromomethane	9.4		"	10.0		93.8	72-134				
Dichlorodifluoromethane	18		"	10.0		180	44-144	High Bias			
Ethyl Benzene	11		"	10.0		110	80-131				
Hexachlorobutadiene	14		"	10.0		135	67-146				
Isopropylbenzene	11		"	10.0		111	76-140				
Methyl acetate	10		"	10.0		102	51-139				
Methyl tert-butyl ether (MTBE)	9.8		"	10.0		98.2	76-135				
Methylcyclohexane	11		"	10.0		110	72-143				
Methylene chloride	10		"	10.0		103	55-137				
n-Butylbenzene	11		"	10.0		115	79-132				
n-Propylbenzene	11		"	10.0		111	78-133				
o-Xylene	11		"	10.0		107	78-130				
p- & m- Xylenes	23		"	20.0		114	77-133				
p-Isopropyltoluene	11		"	10.0		112	81-136				
sec-Butylbenzene	11		"	10.0		108	79-137				
Styrene	11		"	10.0		105	67-132				
tert-Butyl alcohol (TBA)	4.1		"	10.0		41.1	25-162				
tert-Butylbenzene	11		"	10.0		106	77-138				
Tetrachloroethylene	11		"	10.0		110	82-131				
Toluene	10		"	10.0		103	80-127				
trans-1,2-Dichloroethylene	11		"	10.0		106	80-132				
trans-1,3-Dichloropropylene	9.8		"	10.0		97.7	78-131				
Trichloroethylene	10		"	10.0		101	82-128				
Trichlorofluoromethane	14		"	10.0		144	67-139	High Bias			
Vinyl Chloride	13		"	10.0		130	58-145				
Surrogate: 1,2-Dichloroethane-d4	10.6		"	10.0		106	69-130				
Surrogate: Toluene-d8	9.88		"	10.0		98.8	81-117				
Surrogate: p-Bromofluorobenzene	9.45		"	10.0		94.5	79-122				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ70847 - EPA 5030B											
LCS Dup (BJ70847-BSD1)											
Prepared & Analyzed: 10/17/2017											
1,1,1,2-Tetrachloroethane	11		ug/L	10.0		108	82-126		0.371	30	
1,1,1-Trichloroethane	2.2		"	10.0		22.2	78-136	Low Bias	1.37	30	Non-dir.
1,1,2,2-Tetrachloroethane	9.0		"	10.0		90.1	76-129		1.34	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	13		"	10.0		128	54-165		1.18	30	
1,1,2-Trichloroethane	9.8		"	10.0		97.5	82-123		4.08	30	
1,1-Dichloroethane	11		"	10.0		109	82-129		1.01	30	
1,1-Dichloroethylene	11		"	5.00		224	68-138	High Bias	0.717	30	
1,2,3-Trichlorobenzene	12		"	10.0		124	76-136		25.9	30	
1,2,3-Trichloropropane	9.3		"	10.0		93.1	77-128		0.539	30	
1,2,4-Trichlorobenzene	11		"	10.0		112	76-137		10.4	30	
1,2,4-Trimethylbenzene	10		"	10.0		100	82-132		5.35	30	
1,2-Dibromo-3-chloropropane	9.3		"	10.0		92.6	45-147		0.216	30	
1,2-Dibromoethane	9.8		"	10.0		97.9	83-124		3.85	30	
1,2-Dichlorobenzene	9.7		"	10.0		96.7	79-123		0.721	30	
1,2-Dichloroethane	11		"	10.0		115	73-132		4.82	30	
1,2-Dichloropropane	9.6		"	10.0		96.2	78-126		1.47	30	
1,3,5-Trimethylbenzene	9.8		"	10.0		98.3	80-131		4.86	30	
1,3-Dichlorobenzene	10		"	10.0		100	86-122		3.53	30	
1,4-Dichlorobenzene	10		"	10.0		99.7	85-124		0.899	30	
1,4-Dioxane	230		"	200		114	10-349		10.2	30	
2-Butanone	7.1		"	10.0		70.6	49-152		12.7	30	
2-Hexanone	10		"	10.0		104	51-146		7.52	30	
4-Methyl-2-pentanone	10		"	10.0		104	57-145		6.55	30	
Acetone	11		"	10.0		110	14-150		6.46	30	
Acrolein	8.3		"	10.0		83.2	10-153		12.5	30	
Acrylonitrile	10		"	10.0		103	51-150		6.92	30	
Benzene	10		"	10.0		105	85-126		1.93	30	
Bromochloromethane	12		"	10.0		116	77-128		3.97	30	
Bromodichloromethane	10		"	10.0		102	79-128		1.48	30	
Bromoform	10		"	10.0		102	78-133		6.24	30	
Bromomethane	6.8		"	10.0		68.5	43-168		12.2	30	
Carbon disulfide	10		"	10.0		102	68-146		0.489	30	
Carbon tetrachloride	12		"	10.0		124	77-141		0.564	30	
Chlorobenzene	10		"	10.0		101	88-120		0.197	30	
Chloroethane	13		"	10.0		125	65-136		0.557	30	
Chloroform	11		"	10.0		109	82-128		4.03	30	
Chloromethane	10		"	10.0		103	43-155		3.14	30	
cis-1,2-Dichloroethylene	9.5		"	10.0		95.0	83-129		11.4	30	
cis-1,3-Dichloropropylene	10		"	10.0		100	80-131		2.42	30	
Cyclohexane	13		"	10.0		132	63-149		1.91	30	
Dibromochloromethane	10		"	10.0		104	80-130		4.03	30	
Dibromomethane	9.8		"	10.0		97.9	72-134		4.28	30	
Dichlorodifluoromethane	18		"	10.0		180	44-144	High Bias	0.0556	30	
Ethyl Benzene	11		"	10.0		108	80-131		1.46	30	
Hexachlorobutadiene	16		"	10.0		161	67-146	High Bias	17.5	30	
Isopropylbenzene	10		"	10.0		104	76-140		6.61	30	
Methyl acetate	11		"	10.0		114	51-139		11.4	30	
Methyl tert-butyl ether (MTBE)	11		"	10.0		107	76-135		8.67	30	
Methylcyclohexane	11		"	10.0		108	72-143		1.19	30	
Methylene chloride	11		"	10.0		106	55-137		3.45	30	
n-Butylbenzene	11		"	10.0		111	79-132		3.64	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 BJ70847 - EPA 5030B

LCS Dup (BJ70847-BSD1)

Prepared & Analyzed: 10/17/2017

n-Propylbenzene	10		ug/L	10.0		104	78-133		6.88	30	
o-Xylene	11		"	10.0		107	78-130		0.00	30	
p- & m- Xylenes	22		"	20.0		112	77-133		1.73	30	
p-Isopropyltoluene	11		"	10.0		107	81-136		4.49	30	
sec-Butylbenzene	10		"	10.0		102	79-137		5.62	30	
Styrene	11		"	10.0		106	67-132		0.852	30	
tert-Butyl alcohol (TBA)	9.3		"	10.0		93.1	25-162		77.5	30	Non-dir.
tert-Butylbenzene	10		"	10.0		100	77-138		6.11	30	
Tetrachloroethylene	11		"	10.0		107	82-131		2.49	30	
Toluene	10		"	10.0		102	80-127		0.878	30	
trans-1,2-Dichloroethylene	11		"	10.0		108	80-132		1.77	30	
trans-1,3-Dichloropropylene	10		"	10.0		101	78-131		3.02	30	
Trichloroethylene	10		"	10.0		99.6	82-128		1.79	30	
Trichlorofluoromethane	14		"	10.0		142	67-139	High Bias	1.33	30	
Vinyl Chloride	13		"	10.0		130	58-145		0.154	30	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>11.1</i>		<i>"</i>	<i>10.0</i>		<i>111</i>	<i>69-130</i>				
<i>Surrogate: Toluene-d8</i>	<i>9.68</i>		<i>"</i>	<i>10.0</i>		<i>96.8</i>	<i>81-117</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.13</i>		<i>"</i>	<i>10.0</i>		<i>91.3</i>	<i>79-122</i>				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BJ70944 - EPA 3510C

Blank (BJ70944-BLK1)

Prepared: 10/18/2017 Analyzed: 10/19/2017

1,1-Biphenyl	ND	5.00	ug/L
1,2,4,5-Tetrachlorobenzene	ND	5.00	"
1,2,4-Trichlorobenzene	ND	5.00	"
1,2-Dichlorobenzene	ND	5.00	"
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"
1,3-Dichlorobenzene	ND	5.00	"
1,4-Dichlorobenzene	ND	5.00	"
2,3,4,6-Tetrachlorophenol	ND	5.00	"
2,4,5-Trichlorophenol	ND	5.00	"
2,4,6-Trichlorophenol	ND	5.00	"
2,4-Dichlorophenol	ND	5.00	"
2,4-Dimethylphenol	ND	5.00	"
2,4-Dinitrophenol	ND	5.00	"
2,4-Dinitrotoluene	ND	5.00	"
2,6-Dinitrotoluene	ND	5.00	"
2-Chloronaphthalene	ND	5.00	"
2-Chlorophenol	ND	5.00	"
2-Methylnaphthalene	ND	5.00	"
2-Methylphenol	ND	5.00	"
2-Nitroaniline	ND	5.00	"
2-Nitrophenol	ND	5.00	"
3- & 4-Methylphenols	ND	5.00	"
3,3-Dichlorobenzidine	ND	5.00	"
3-Nitroaniline	ND	5.00	"
4,6-Dinitro-2-methylphenol	ND	5.00	"
4-Bromophenyl phenyl ether	ND	5.00	"
4-Chloro-3-methylphenol	ND	5.00	"
4-Chloroaniline	ND	5.00	"
4-Chlorophenyl phenyl ether	ND	5.00	"
4-Nitroaniline	ND	5.00	"
4-Nitrophenol	ND	5.00	"
Acenaphthene	ND	0.0500	"
Acenaphthylene	ND	0.0500	"
Acetophenone	ND	5.00	"
Aniline	ND	5.00	"
Anthracene	ND	0.0500	"
Atrazine	ND	0.500	"
Benzaldehyde	ND	5.00	"
Benzidine	ND	20.0	"
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	"
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	"
Bis(2-ethylhexyl)phthalate	ND	0.500	"



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 BJ70944 - EPA 3510C

Blank (BJ70944-BLK1)

Prepared: 10/18/2017 Analyzed: 10/19/2017

Caprolactam	ND	5.00	ug/L								
Carbazole	ND	5.00	"								
Chrysene	ND	0.0500	"								
Dibenzo(a,h)anthracene	ND	0.0500	"								
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	"								
Fluoranthene	ND	0.0500	"								
Fluorene	ND	0.0500	"								
Hexachlorobenzene	ND	0.0200	"								
Hexachlorobutadiene	ND	0.500	"								
Hexachlorocyclopentadiene	ND	5.00	"								
Hexachloroethane	ND	0.500	"								
Indeno(1,2,3-cd)pyrene	ND	0.0500	"								
Isophorone	ND	5.00	"								
Naphthalene	ND	0.0500	"								
Nitrobenzene	ND	0.250	"								
N-Nitrosodimethylamine	ND	0.500	"								
N-nitroso-di-n-propylamine	ND	5.00	"								
N-Nitrosodiphenylamine	ND	5.00	"								
Pentachlorophenol	ND	0.250	"								
Phenanthrene	ND	0.0500	"								
Phenol	ND	5.00	"								
Pyrene	ND	0.0500	"								
Surrogate: 2-Fluorophenol	38.9		"	75.2		51.7	12-64				
Surrogate: Phenol-d5	26.6		"	77.2		34.5	10-82				
Surrogate: Nitrobenzene-d5	53.0		"	51.8		102	12-96				
Surrogate: 2-Fluorobiphenyl	38.5		"	51.8		74.3	16-84				
Surrogate: 2,4,6-Tribromophenol	101		"	77.0		131	15-104				
Surrogate: Terphenyl-d14	34.8		"	50.3		69.2	15-106				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BJ70944 - EPA 3510C

Blank (BJ70944-BLK2)

Prepared: 10/18/2017 Analyzed: 10/19/2017

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

LCS (BJ70944-BS1)

Prepared: 10/18/2017 Analyzed: 10/19/2017

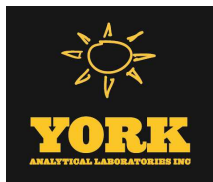
1,1-Biphenyl	21.3	5.00	ug/L	25.0	85.2	21-102	
1,2,4,5-Tetrachlorobenzene	24.4	5.00	"	25.0	97.6	28-105	
1,2,4-Trichlorobenzene	19.2	5.00	"	25.0	76.7	35-91	
1,2-Dichlorobenzene	23.1	5.00	"	25.0	92.3	42-85	High Bias
1,2-Diphenylhydrazine (as Azobenzene)	16.0	5.00	"	25.0	63.8	16-137	
1,3-Dichlorobenzene	20.5	5.00	"	25.0	81.9	45-80	High Bias
1,4-Dichlorobenzene	18.6	5.00	"	25.0	74.2	42-82	
2,3,4,6-Tetrachlorophenol	50.6	5.00	"	25.0	203	30-130	High Bias
2,4,5-Trichlorophenol	20.5	5.00	"	25.0	82.1	36-112	
2,4,6-Trichlorophenol	20.8	5.00	"	25.0	83.2	41-107	
2,4-Dichlorophenol	21.4	5.00	"	25.0	85.5	43-92	
2,4-Dimethylphenol	18.0	5.00	"	25.0	72.1	25-92	
2,4-Dinitrophenol	20.7	5.00	"	25.0	82.8	10-149	
2,4-Dinitrotoluene	22.1	5.00	"	25.0	88.4	41-114	
2,6-Dinitrotoluene	20.4	5.00	"	25.0	81.5	49-106	
2-Chloronaphthalene	19.0	5.00	"	25.0	76.2	40-96	
2-Chlorophenol	22.1	5.00	"	25.0	88.4	35-84	High Bias
2-Methylnaphthalene	21.2	5.00	"	25.0	85.0	33-101	
2-Methylphenol	13.6	5.00	"	25.0	54.5	10-90	
2-Nitroaniline	23.6	5.00	"	25.0	94.3	31-122	
2-Nitrophenol	21.1	5.00	"	25.0	84.4	37-97	
3- & 4-Methylphenols	13.1	5.00	"	25.0	52.4	10-101	
3,3-Dichlorobenzidine	22.0	5.00	"	25.0	88.2	25-155	
3-Nitroaniline	14.8	5.00	"	25.0	59.2	29-128	
4,6-Dinitro-2-methylphenol	19.6	5.00	"	25.0	78.6	10-135	



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike	Source*	%REC	Limits	Flag	RPD	Limit	Flag
		Limit			Result	%REC			RPD		
Batch BJ70944 - EPA 3510C											
LCS (BJ70944-BS1)						Prepared: 10/18/2017 Analyzed: 10/19/2017					
4-Bromophenyl phenyl ether	23.5	5.00	ug/L	25.0		94.1	38-116				
4-Chloro-3-methylphenol	20.4	5.00	"	25.0		81.4	28-101				
4-Chloroaniline	13.5	5.00	"	25.0		53.9	10-154				
4-Chlorophenyl phenyl ether	21.5	5.00	"	25.0		86.1	34-112				
4-Nitroaniline	20.0	5.00	"	25.0		80.2	15-143				
4-Nitrophenol	11.3	5.00	"	25.0		45.1	10-112				
Acenaphthene	20.7	0.0500	"	25.0		82.9	24-114				
Acenaphthylene	21.4	0.0500	"	25.0		85.7	26-112				
Acetophenone	25.5	5.00	"	25.0		102	47-92	High Bias			
Aniline	10.1	5.00	"	25.0		40.5	10-107				
Anthracene	21.9	0.0500	"	25.0		87.8	35-114				
Atrazine	22.5	0.500	"	25.0		90.0	43-101				
Benzaldehyde	28.0	5.00	"	25.0		112	17-117				
Benzo(a)anthracene	22.5	0.0500	"	25.0		90.1	38-127				
Benzo(a)pyrene	23.8	0.0500	"	25.0		95.4	30-146				
Benzo(b)fluoranthene	24.4	0.0500	"	25.0		97.6	36-145				
Benzo(g,h,i)perylene	21.3	0.0500	"	25.0		85.2	10-163				
Benzo(k)fluoranthene	23.2	0.0500	"	25.0		93.0	16-149				
Benzoic acid	ND	50.0	"	25.0			30-130	Low Bias			
Benzyl alcohol	18.3	5.00	"	25.0		73.2	18-75				
Benzyl butyl phthalate	19.8	5.00	"	25.0		79.3	28-129				
Bis(2-chloroethoxy)methane	20.6	5.00	"	25.0		82.5	27-112				
Bis(2-chloroethyl)ether	19.4	5.00	"	25.0		77.6	24-114				
Bis(2-chloroisopropyl)ether	14.2	5.00	"	25.0		57.0	21-124				
Bis(2-ethylhexyl)phthalate	20.7	0.500	"	25.0		82.6	10-171				
Caprolactam	3.86	5.00	"	25.0		15.4	10-29				
Carbazole	20.4	5.00	"	25.0		81.7	49-116				
Chrysene	21.7	0.0500	"	25.0		86.8	33-120				
Dibenzo(a,h)anthracene	23.5	0.0500	"	25.0		93.9	10-149				
Dibenzofuran	21.0	5.00	"	25.0		83.9	42-105				
Diethyl phthalate	22.2	5.00	"	25.0		88.9	38-112				
Dimethyl phthalate	25.9	5.00	"	25.0		103	49-106				
Di-n-butyl phthalate	20.6	5.00	"	25.0		82.6	36-110				
Di-n-octyl phthalate	19.5	5.00	"	25.0		78.0	12-149				
Fluoranthene	22.3	0.0500	"	25.0		89.1	33-126				
Fluorene	21.2	0.0500	"	25.0		84.9	28-117				
Hexachlorobenzene	19.0	0.0200	"	25.0		76.0	27-120				
Hexachlorobutadiene	22.8	0.500	"	25.0		91.2	25-106				
Hexachlorocyclopentadiene	20.0	5.00	"	25.0		79.9	10-99				
Hexachloroethane	21.0	0.500	"	25.0		84.0	33-84				
Indeno(1,2,3-cd)pyrene	23.4	0.0500	"	25.0		93.8	10-150				
Isophorone	20.4	5.00	"	25.0		81.8	29-115				
Naphthalene	20.6	0.0500	"	25.0		82.2	30-99				
Nitrobenzene	17.5	0.250	"	25.0		70.0	32-113				
N-Nitrosodimethylamine	10.4	0.500	"	25.0		41.6	10-63				
N-nitroso-di-n-propylamine	18.8	5.00	"	25.0		75.2	36-118				
N-Nitrosodiphenylamine	23.2	5.00	"	25.0		92.8	27-145				
Pentachlorophenol	23.7	0.250	"	25.0		94.8	19-127				
Phenanthrene	21.7	0.0500	"	25.0		86.9	31-112				
Phenol	8.37	5.00	"	25.0		33.5	10-37				
Pyrene	22.8	0.0500	"	25.0		91.4	42-125				



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 BJ70944 - EPA 3510C

LCS (BJ70944-BS1)

Prepared: 10/18/2017 Analyzed: 10/19/2017

Surrogate: 2-Fluorophenol	40.2		ug/L	75.2		53.5	12-64				
Surrogate: Phenol-d5	26.7		"	77.2		34.6	10-82				
Surrogate: Nitrobenzene-d5	39.4		"	51.8		76.0	12-96				
Surrogate: 2-Fluorobiphenyl	33.4		"	51.8		64.5	16-84				
Surrogate: 2,4,6-Tribromophenol	98.7		"	77.0		128	15-104				
Surrogate: Terphenyl-d14	35.7		"	50.3		71.0	15-106				

LCS (BJ70944-BS2)

Prepared: 10/18/2017 Analyzed: 10/19/2017

Acenaphthene	0.970	0.0500	ug/L	1.00		97.0	24-114				
Acenaphthylene	0.840	0.0500	"	1.00		84.0	26-112				
Anthracene	0.850	0.0500	"	1.00		85.0	35-114				
Atrazine	ND	0.500	"				43-101				
Benzo(a)anthracene	0.860	0.0500	"	1.00		86.0	38-127				
Benzo(a)pyrene	0.940	0.0500	"	1.00		94.0	30-146				
Benzo(b)fluoranthene	0.840	0.0500	"	1.00		84.0	36-145				
Benzo(g,h,i)perylene	1.01	0.0500	"	1.00		101	10-163				
Benzo(k)fluoranthene	0.980	0.0500	"	1.00		98.0	16-149				
Bis(2-ethylhexyl)phthalate	ND	0.500	"				10-171				
Chrysene	0.960	0.0500	"	1.00		96.0	33-120				
Dibenzo(a,h)anthracene	1.02	0.0500	"	1.00		102	10-149				
Fluoranthene	0.980	0.0500	"	1.00		98.0	33-126				
Fluorene	0.920	0.0500	"	1.00		92.0	28-117				
Hexachlorobenzene	ND	0.0200	"				27-120				
Hexachlorobutadiene	ND	0.500	"				25-106				
Hexachloroethane	ND	0.500	"				33-84				
Indeno(1,2,3-cd)pyrene	1.00	0.0500	"	1.00		100	10-150				
Naphthalene	0.890	0.0500	"	1.00		89.0	30-99				
Nitrobenzene	ND	0.250	"				32-113				
N-Nitrosodimethylamine	ND	0.500	"				10-63				
Pentachlorophenol	ND	0.250	"				19-127				
Phenanthrene	0.730	0.0500	"	1.00		73.0	31-112				
Pyrene	0.870	0.0500	"	1.00		87.0	42-125				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

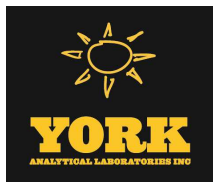
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ70944 - EPA 3510C											
LCS Dup (BJ70944-BSD1)											
						Prepared: 10/18/2017 Analyzed: 10/19/2017					
1,1-Biphenyl	21.8	5.00	ug/L	25.0		87.1	21-102		2.23	20	
1,2,4,5-Tetrachlorobenzene	23.6	5.00	"	25.0		94.4	28-105		3.42	20	
1,2,4-Trichlorobenzene	19.1	5.00	"	25.0		76.4	35-91		0.418	20	
1,2-Dichlorobenzene	20.8	5.00	"	25.0		83.3	42-85		10.3	20	
1,2-Diphenylhydrazine (as Azobenzene)	16.6	5.00	"	25.0		66.4	16-137		3.93	20	
1,3-Dichlorobenzene	23.2	5.00	"	25.0		92.9	45-80	High Bias	12.6	20	
1,4-Dichlorobenzene	18.6	5.00	"	25.0		74.4	42-82		0.215	20	
2,3,4,6-Tetrachlorophenol	51.8	5.00	"	25.0		207	30-130	High Bias	2.36	20	
2,4,5-Trichlorophenol	19.8	5.00	"	25.0		79.1	36-112		3.72	20	
2,4,6-Trichlorophenol	21.1	5.00	"	25.0		84.2	41-107		1.24	20	
2,4-Dichlorophenol	19.6	5.00	"	25.0		78.6	43-92		8.48	20	
2,4-Dimethylphenol	17.3	5.00	"	25.0		69.2	25-92		4.07	20	
2,4-Dinitrophenol	20.5	5.00	"	25.0		82.1	10-149		0.873	20	
2,4-Dinitrotoluene	20.3	5.00	"	25.0		81.2	41-114		8.58	20	
2,6-Dinitrotoluene	21.4	5.00	"	25.0		85.6	49-106		4.93	20	
2-Chloronaphthalene	18.5	5.00	"	25.0		74.1	40-96		2.82	20	
2-Chlorophenol	35.0	5.00	"	25.0		140	35-84	High Bias	45.2	20	Non-dir.
2-Methylnaphthalene	21.0	5.00	"	25.0		83.8	33-101		1.42	20	
2-Methylphenol	15.4	5.00	"	25.0		61.4	10-90		11.9	20	
2-Nitroaniline	21.9	5.00	"	25.0		87.6	31-122		7.39	20	
2-Nitrophenol	22.2	5.00	"	25.0		89.0	37-97		5.21	20	
3- & 4-Methylphenols	14.6	5.00	"	25.0		58.2	10-101		10.4	20	
3,3-Dichlorobenzidine	22.9	5.00	"	25.0		91.6	25-155		3.87	20	
3-Nitroaniline	15.4	5.00	"	25.0		61.6	29-128		3.91	20	
4,6-Dinitro-2-methylphenol	20.9	5.00	"	25.0		83.5	10-135		6.12	20	
4-Bromophenyl phenyl ether	24.6	5.00	"	25.0		98.5	38-116		4.53	20	
4-Chloro-3-methylphenol	22.9	5.00	"	25.0		91.6	28-101		11.7	20	
4-Chloroaniline	13.3	5.00	"	25.0		53.2	10-154		1.34	20	
4-Chlorophenyl phenyl ether	22.7	5.00	"	25.0		90.7	34-112		5.20	20	
4-Nitroaniline	20.6	5.00	"	25.0		82.3	15-143		2.61	20	
4-Nitrophenol	16.3	5.00	"	25.0		65.2	10-112		36.3	20	Non-dir.
Acenaphthene	21.7	0.0500	"	25.0		86.8	24-114		4.53	20	
Acenaphthylene	20.4	0.0500	"	25.0		81.7	26-112		4.78	20	
Acetophenone	26.6	5.00	"	25.0		107	47-92	High Bias	4.53	20	
Aniline	20.6	5.00	"	25.0		82.4	10-107		68.2	20	Non-dir.
Anthracene	22.1	0.0500	"	25.0		88.5	35-114		0.862	20	
Atrazine	24.3	0.500	"	25.0		97.1	43-101		7.57	20	
Benzaldehyde	45.6	5.00	"	25.0		182	17-117	High Bias	47.9	20	Non-dir.
Benzo(a)anthracene	23.6	0.0500	"	25.0		94.6	38-127		4.81	20	
Benzo(a)pyrene	23.9	0.0500	"	25.0		95.6	30-146		0.209	20	
Benzo(b)fluoranthene	23.9	0.0500	"	25.0		95.7	36-145		2.03	20	
Benzo(g,h,i)perylene	20.8	0.0500	"	25.0		83.4	10-163		2.09	20	
Benzo(k)fluoranthene	24.9	0.0500	"	25.0		99.8	16-149		7.06	20	
Benzoic acid	ND	5.00	"	25.0			30-130	Low Bias		20	
Benzyl alcohol	17.7	5.00	"	25.0		70.6	18-75		3.56	20	
Benzyl butyl phthalate	21.8	5.00	"	25.0		87.2	28-129		9.51	20	
Bis(2-chloroethoxy)methane	20.4	5.00	"	25.0		81.6	27-112		1.02	20	
Bis(2-chloroethyl)ether	34.8	5.00	"	25.0		139	24-114	High Bias	56.7	20	Non-dir.
Bis(2-chloroisopropyl)ether	14.6	5.00	"	25.0		58.6	21-124		2.70	20	
Bis(2-ethylhexyl)phthalate	22.1	0.500	"	25.0		88.4	10-171		6.78	20	
Caprolactam	5.60	5.00	"	25.0		22.4	10-29		36.8	20	Non-dir.



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 BJ70944 - EPA 3510C											
LCS Dup (BJ70944-BSD1)											
						Prepared: 10/18/2017 Analyzed: 10/19/2017					
Carbazole	22.4	5.00	ug/L	25.0		89.4	49-116		9.02	20	
Chrysene	25.6	0.0500	"	25.0		102	33-120		16.3	20	
Dibenzo(a,h)anthracene	22.5	0.0500	"	25.0		90.2	10-149		4.04	20	
Dibenzofuran	20.1	5.00	"	25.0		80.2	42-105		4.44	20	
Diethyl phthalate	23.3	5.00	"	25.0		93.2	38-112		4.79	20	
Dimethyl phthalate	22.0	5.00	"	25.0		87.9	49-106		16.3	20	
Di-n-butyl phthalate	21.4	5.00	"	25.0		85.6	36-110		3.61	20	
Di-n-octyl phthalate	22.4	5.00	"	25.0		89.8	12-149		14.0	20	
Fluoranthene	24.2	0.0500	"	25.0		97.0	33-126		8.47	20	
Fluorene	21.6	0.0500	"	25.0		86.5	28-117		1.91	20	
Hexachlorobenzene	20.8	0.0200	"	25.0		83.4	27-120		9.23	20	
Hexachlorobutadiene	20.9	0.500	"	25.0		83.5	25-106		8.88	20	
Hexachlorocyclopentadiene	19.4	5.00	"	25.0		77.5	10-99		3.00	20	
Hexachloroethane	23.6	0.500	"	25.0		94.6	33-84	High Bias	11.9	20	
Indeno(1,2,3-cd)pyrene	22.0	0.0500	"	25.0		88.1	10-150		6.20	20	
Isophorone	18.0	5.00	"	25.0		72.0	29-115		12.6	20	
Naphthalene	24.3	0.0500	"	25.0		97.1	30-99		16.6	20	
Nitrobenzene	18.4	0.250	"	25.0		73.8	32-113		5.23	20	
N-Nitrosodimethylamine	9.37	0.500	"	25.0		37.5	10-63		10.4	20	
N-nitroso-di-n-propylamine	19.3	5.00	"	25.0		77.0	36-118		2.42	20	
N-Nitrosodiphenylamine	25.3	5.00	"	25.0		101	27-145		8.66	20	
Pentachlorophenol	22.8	0.250	"	25.0		91.4	19-127		3.70	20	
Phenanthrene	24.2	0.0500	"	25.0		97.0	31-112		11.0	20	
Phenol	14.6	5.00	"	25.0		58.5	10-37	High Bias	54.4	20	Non-dir.
Pyrene	23.0	0.0500	"	25.0		92.0	42-125		0.698	20	
Surrogate: 2-Fluorophenol	39.5		"	75.2		52.5	12-64				
Surrogate: Phenol-d5	50.9		"	77.2		65.9	10-82				
Surrogate: Nitrobenzene-d5	38.3		"	51.8		74.0	12-96				
Surrogate: 2-Fluorobiphenyl	39.2		"	51.8		75.7	16-84				
Surrogate: 2,4,6-Tribromophenol	104		"	77.0		135	15-104				
Surrogate: Terphenyl-d14	32.6		"	50.3		64.8	15-106				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BJ71109 - EPA 3510C

Blank (BJ71109-BLK1)

Prepared: 10/20/2017 Analyzed: 10/22/2017

1,1-Biphenyl	ND	5.00	ug/L
1,2,4,5-Tetrachlorobenzene	ND	5.00	"
1,2,4-Trichlorobenzene	ND	5.00	"
1,2-Dichlorobenzene	ND	5.00	"
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"
1,3-Dichlorobenzene	ND	5.00	"
1,4-Dichlorobenzene	ND	5.00	"
2,3,4,6-Tetrachlorophenol	ND	5.00	"
2,4,5-Trichlorophenol	ND	5.00	"
2,4,6-Trichlorophenol	ND	5.00	"
2,4-Dichlorophenol	ND	5.00	"
2,4-Dimethylphenol	ND	5.00	"
2,4-Dinitrophenol	ND	5.00	"
2,4-Dinitrotoluene	ND	5.00	"
2,6-Dinitrotoluene	ND	5.00	"
2-Chloronaphthalene	ND	5.00	"
2-Chlorophenol	ND	5.00	"
2-Methylnaphthalene	ND	5.00	"
2-Methylphenol	ND	5.00	"
2-Nitroaniline	ND	5.00	"
2-Nitrophenol	ND	5.00	"
3- & 4-Methylphenols	ND	5.00	"
3,3-Dichlorobenzidine	ND	5.00	"
3-Nitroaniline	ND	5.00	"
4,6-Dinitro-2-methylphenol	ND	5.00	"
4-Bromophenyl phenyl ether	ND	5.00	"
4-Chloro-3-methylphenol	ND	5.00	"
4-Chloroaniline	ND	5.00	"
4-Chlorophenyl phenyl ether	ND	5.00	"
4-Nitroaniline	ND	5.00	"
4-Nitrophenol	ND	5.00	"
Acenaphthene	ND	0.0500	"
Acenaphthylene	ND	0.0500	"
Acetophenone	ND	5.00	"
Aniline	ND	5.00	"
Anthracene	ND	0.0500	"
Atrazine	ND	0.500	"
Benzaldehyde	ND	5.00	"
Benzidine	ND	20.0	"
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	"
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	"
Bis(2-ethylhexyl)phthalate	0.980	0.500	"



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 BJ71109 - EPA 3510C

Blank (BJ71109-BLK1)

Prepared: 10/20/2017 Analyzed: 10/22/2017

Caprolactam	ND	5.00	ug/L								
Carbazole	ND	5.00	"								
Chrysene	ND	0.0500	"								
Dibenzo(a,h)anthracene	ND	0.0500	"								
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	"								
Fluoranthene	ND	0.0500	"								
Fluorene	ND	0.0500	"								
Hexachlorobenzene	ND	0.0200	"								
Hexachlorobutadiene	ND	0.500	"								
Hexachlorocyclopentadiene	ND	5.00	"								
Hexachloroethane	ND	0.500	"								
Indeno(1,2,3-cd)pyrene	ND	0.0500	"								
Isophorone	ND	5.00	"								
Naphthalene	ND	0.0500	"								
Nitrobenzene	ND	0.250	"								
N-Nitrosodimethylamine	ND	0.500	"								
N-nitroso-di-n-propylamine	ND	5.00	"								
N-Nitrosodiphenylamine	ND	5.00	"								
Pentachlorophenol	ND	0.250	"								
Phenanthrene	ND	0.0500	"								
Phenol	ND	5.00	"								
Pyrene	ND	0.0500	"								
Surrogate: 2-Fluorophenol	29.7		"	75.7		39.2	12-64				
Surrogate: Phenol-d5	19.4		"	75.7		25.7	10-82				
Surrogate: Nitrobenzene-d5	45.7		"	53.2		85.8	12-96				
Surrogate: 2-Fluorobiphenyl	34.5		"	51.5		67.0	16-84				
Surrogate: 2,4,6-Tribromophenol	69.3		"	75.5		91.8	15-104				
Surrogate: Terphenyl-d14	34.0		"	50.0		68.0	15-106				



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

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

Batch BJ71109 - EPA 3510C

Blank (BJ71109-BLK2)

Prepared & Analyzed: 10/20/2017

Acenaphthene	ND	0.0500	ug/L										
Acenaphthylene	ND	0.0500	"										
Anthracene	ND	0.0500	"										
Atrazine	ND	0.500	"										
Benzo(a)anthracene	ND	0.0500	"										
Benzo(a)pyrene	ND	0.0500	"										
Benzo(b)fluoranthene	ND	0.0500	"										
Benzo(g,h,i)perylene	ND	0.0500	"										
Benzo(k)fluoranthene	ND	0.0500	"										
Bis(2-ethylhexyl)phthalate	0.700	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	"										

LCS (BJ71109-BS1)

Prepared: 10/20/2017 Analyzed: 10/22/2017

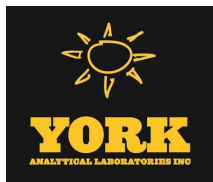
1,1-Biphenyl	18.0	5.00	ug/L	25.0		72.2	21-102						
1,2,4,5-Tetrachlorobenzene	16.8	5.00	"	25.0		67.3	28-105						
1,2,4-Trichlorobenzene	15.0	5.00	"	25.0		60.0	35-91						
1,2-Dichlorobenzene	14.9	5.00	"	25.0		59.6	42-85						
1,2-Diphenylhydrazine (as Azobenzene)	17.3	5.00	"	25.0		69.2	16-137						
1,3-Dichlorobenzene	14.1	5.00	"	25.0		56.2	45-80						
1,4-Dichlorobenzene	14.6	5.00	"	25.0		58.2	42-82						
2,3,4,6-Tetrachlorophenol	40.5	5.00	"	25.0		162	30-130	High Bias					
2,4,5-Trichlorophenol	20.0	5.00	"	25.0		79.9	36-112						
2,4,6-Trichlorophenol	21.0	5.00	"	25.0		84.2	41-107						
2,4-Dichlorophenol	18.3	5.00	"	25.0		73.2	43-92						
2,4-Dimethylphenol	15.7	5.00	"	25.0		63.0	25-92						
2,4-Dinitrophenol	19.7	5.00	"	25.0		78.9	10-149						
2,4-Dinitrotoluene	24.9	5.00	"	25.0		99.5	41-114						
2,6-Dinitrotoluene	24.8	5.00	"	25.0		99.2	49-106						
2-Chloronaphthalene	15.8	5.00	"	25.0		63.3	40-96						
2-Chlorophenol	16.8	5.00	"	25.0		67.4	35-84						
2-Methylnaphthalene	17.0	5.00	"	25.0		67.8	33-101						
2-Methylphenol	14.6	5.00	"	25.0		58.4	10-90						
2-Nitroaniline	23.2	5.00	"	25.0		92.9	31-122						
2-Nitrophenol	25.1	5.00	"	25.0		100	37-97	High Bias					
3- & 4-Methylphenols	14.3	5.00	"	25.0		57.1	10-101						
3,3-Dichlorobenzidine	18.1	5.00	"	25.0		72.4	25-155						
3-Nitroaniline	21.3	5.00	"	25.0		85.3	29-128						
4,6-Dinitro-2-methylphenol	34.7	5.00	"	25.0		139	10-135	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
Batch BJ71109 - EPA 3510C											
LCS (BJ71109-BS1)											
Prepared: 10/20/2017 Analyzed: 10/22/2017											
4-Bromophenyl phenyl ether	17.7	5.00	ug/L	25.0		70.7	38-116				
4-Chloro-3-methylphenol	18.6	5.00	"	25.0		74.3	28-101				
4-Chloroaniline	13.1	5.00	"	25.0		52.3	10-154				
4-Chlorophenyl phenyl ether	15.4	5.00	"	25.0		61.6	34-112				
4-Nitroaniline	20.6	5.00	"	25.0		82.6	15-143				
4-Nitrophenol	17.2	5.00	"	25.0		69.0	10-112				
Acenaphthene	15.9	0.0500	"	25.0		63.7	24-114				
Acenaphthylene	15.5	0.0500	"	25.0		62.0	26-112				
Acetophenone	17.9	5.00	"	25.0		71.6	47-92				
Aniline	10.1	5.00	"	25.0		40.3	10-107				
Anthracene	18.8	0.0500	"	25.0		75.3	35-114				
Atrazine	21.1	0.500	"	25.0		84.5	43-101				
Benzaldehyde	19.3	5.00	"	25.0		77.3	17-117				
Benzo(a)anthracene	19.2	0.0500	"	25.0		76.8	38-127				
Benzo(a)pyrene	20.8	0.0500	"	25.0		83.0	30-146				
Benzo(b)fluoranthene	21.2	0.0500	"	25.0		84.6	36-145				
Benzo(g,h,i)perylene	22.2	0.0500	"	25.0		88.9	10-163				
Benzo(k)fluoranthene	20.1	0.0500	"	25.0		80.4	16-149				
Benzoic acid	ND	50.0	"	25.0			30-130	Low Bias			
Benzyl alcohol	14.4	5.00	"	25.0		57.6	18-75				
Benzyl butyl phthalate	20.0	5.00	"	25.0		80.2	28-129				
Bis(2-chloroethoxy)methane	18.2	5.00	"	25.0		72.8	27-112				
Bis(2-chloroethyl)ether	16.9	5.00	"	25.0		67.7	24-114				
Bis(2-chloroisopropyl)ether	20.8	5.00	"	25.0		83.4	21-124				
Bis(2-ethylhexyl)phthalate	21.3	0.500	"	25.0		85.1	10-171				
Caprolactam	5.13	5.00	"	25.0		20.5	10-29				
Carbazole	19.3	5.00	"	25.0		77.2	49-116				
Chrysene	18.9	0.0500	"	25.0		75.4	33-120				
Dibenzo(a,h)anthracene	21.9	0.0500	"	25.0		87.7	10-149				
Dibenzofuran	17.0	5.00	"	25.0		68.0	42-105				
Diethyl phthalate	15.8	5.00	"	25.0		63.4	38-112				
Dimethyl phthalate	17.6	5.00	"	25.0		70.4	49-106				
Di-n-butyl phthalate	18.4	5.00	"	25.0		73.8	36-110				
Di-n-octyl phthalate	22.3	5.00	"	25.0		89.1	12-149				
Fluoranthene	18.6	0.0500	"	25.0		74.5	33-126				
Fluorene	16.4	0.0500	"	25.0		65.5	28-117				
Hexachlorobenzene	14.7	0.0200	"	25.0		59.0	27-120				
Hexachlorobutadiene	13.1	0.500	"	25.0		52.4	25-106				
Hexachlorocyclopentadiene	4.38	5.00	"	25.0		17.5	10-99				
Hexachloroethane	12.8	0.500	"	25.0		51.1	33-84				
Indeno(1,2,3-cd)pyrene	21.8	0.0500	"	25.0		87.2	10-150				
Isophorone	18.8	5.00	"	25.0		75.2	29-115				
Naphthalene	15.4	0.0500	"	25.0		61.7	30-99				
Nitrobenzene	18.8	0.250	"	25.0		75.3	32-113				
N-Nitrosodimethylamine	10.6	0.500	"	25.0		42.4	10-63				
N-nitroso-di-n-propylamine	14.3	5.00	"	25.0		57.1	36-118				
N-Nitrosodiphenylamine	19.9	5.00	"	25.0		79.7	27-145				
Pentachlorophenol	16.4	0.250	"	25.0		65.4	19-127				
Phenanthrene	19.6	0.0500	"	25.0		78.3	31-112				
Phenol	9.75	5.00	"	25.0		39.0	10-37	High Bias			
Pyrene	19.5	0.0500	"	25.0		77.9	42-125				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BJ71109 - EPA 3510C

LCS (BJ71109-BS1)

Prepared: 10/20/2017 Analyzed: 10/22/2017

Surrogate: 2-Fluorophenol	36.7		ug/L	75.7		48.5	12-64				
Surrogate: Phenol-d5	27.7		"	75.7		36.6	10-82				
Surrogate: Nitrobenzene-d5	43.7		"	53.2		82.1	12-96				
Surrogate: 2-Fluorobiphenyl	34.2		"	51.5		66.5	16-84				
Surrogate: 2,4,6-Tribromophenol	73.7		"	75.5		97.6	15-104				
Surrogate: Terphenyl-d14	31.0		"	50.0		62.0	15-106				

LCS (BJ71109-BS2)

Prepared & Analyzed: 10/20/2017

Acenaphthene	0.730	0.0500	ug/L	1.00		73.0	24-114				
Acenaphthylene	0.730	0.0500	"	1.00		73.0	26-112				
Anthracene	0.740	0.0500	"	1.00		74.0	35-114				
Atrazine	ND	0.500	"				43-101				
Benzo(a)anthracene	0.770	0.0500	"	1.00		77.0	38-127				
Benzo(a)pyrene	0.750	0.0500	"	1.00		75.0	30-146				
Benzo(b)fluoranthene	0.740	0.0500	"	1.00		74.0	36-145				
Benzo(g,h,i)perylene	0.890	0.0500	"	1.00		89.0	10-163				
Benzo(k)fluoranthene	0.930	0.0500	"	1.00		93.0	16-149				
Bis(2-ethylhexyl)phthalate	ND	0.500	"				10-171				
Chrysene	0.850	0.0500	"	1.00		85.0	33-120				
Dibenzo(a,h)anthracene	0.920	0.0500	"	1.00		92.0	10-149				
Fluoranthene	0.870	0.0500	"	1.00		87.0	33-126				
Fluorene	0.860	0.0500	"	1.00		86.0	28-117				
Hexachlorobenzene	ND	0.0200	"				27-120				
Hexachlorobutadiene	ND	0.500	"				25-106				
Hexachloroethane	ND	0.500	"				33-84				
Indeno(1,2,3-cd)pyrene	0.890	0.0500	"	1.00		89.0	10-150				
Naphthalene	0.710	0.0500	"	1.00		71.0	30-99				
Nitrobenzene	ND	0.250	"				32-113				
N-Nitrosodimethylamine	ND	0.500	"				10-63				
Pentachlorophenol	ND	0.250	"				19-127				
Phenanthrene	0.670	0.0500	"	1.00		67.0	31-112				
Pyrene	0.800	0.0500	"	1.00		80.0	42-125				



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 BJ71109 - EPA 3510C											
LCS Dup (BJ71109-BSD1)											
Prepared: 10/20/2017 Analyzed: 10/22/2017											
1,1-Biphenyl	17.8	5.00	ug/L	25.0		71.3	21-102		1.23	20	
1,2,4,5-Tetrachlorobenzene	16.5	5.00	"	25.0		66.0	28-105		2.04	20	
1,2,4-Trichlorobenzene	14.6	5.00	"	25.0		58.5	35-91		2.57	20	
1,2-Dichlorobenzene	14.3	5.00	"	25.0		57.0	42-85		4.39	20	
1,2-Diphenylhydrazine (as Azobenzene)	16.8	5.00	"	25.0		67.0	16-137		3.11	20	
1,3-Dichlorobenzene	14.0	5.00	"	25.0		55.9	45-80		0.642	20	
1,4-Dichlorobenzene	13.7	5.00	"	25.0		54.9	42-82		5.94	20	
2,3,4,6-Tetrachlorophenol	42.0	5.00	"	25.0		168	30-130	High Bias	3.59	20	
2,4,5-Trichlorophenol	19.8	5.00	"	25.0		79.2	36-112		0.905	20	
2,4,6-Trichlorophenol	20.8	5.00	"	25.0		83.1	41-107		1.24	20	
2,4-Dichlorophenol	17.7	5.00	"	25.0		70.9	43-92		3.22	20	
2,4-Dimethylphenol	15.8	5.00	"	25.0		63.1	25-92		0.254	20	
2,4-Dinitrophenol	22.6	5.00	"	25.0		90.4	10-149		13.6	20	
2,4-Dinitrotoluene	26.5	5.00	"	25.0		106	41-114		6.50	20	
2,6-Dinitrotoluene	44.1	5.00	"	25.0		177	49-106	High Bias	56.0	20	Non-dir.
2-Chloronaphthalene	15.5	5.00	"	25.0		62.1	40-96		1.91	20	
2-Chlorophenol	17.3	5.00	"	25.0		69.0	35-84		2.46	20	
2-Methylnaphthalene	17.0	5.00	"	25.0		68.0	33-101		0.236	20	
2-Methylphenol	15.4	5.00	"	25.0		61.8	10-90		5.59	20	
2-Nitroaniline	24.7	5.00	"	25.0		98.7	31-122		6.10	20	
2-Nitrophenol	25.5	5.00	"	25.0		102	37-97	High Bias	1.78	20	
3- & 4-Methylphenols	13.9	5.00	"	25.0		55.5	10-101		2.77	20	
3,3-Dichlorobenzidine	17.6	5.00	"	25.0		70.6	25-155		2.63	20	
3-Nitroaniline	22.5	5.00	"	25.0		89.8	29-128		5.21	20	
4,6-Dinitro-2-methylphenol	37.0	5.00	"	25.0		148	10-135	High Bias	6.42	20	
4-Bromophenyl phenyl ether	17.1	5.00	"	25.0		68.3	38-116		3.45	20	
4-Chloro-3-methylphenol	19.1	5.00	"	25.0		76.4	28-101		2.81	20	
4-Chloroaniline	13.5	5.00	"	25.0		54.0	10-154		3.24	20	
4-Chlorophenyl phenyl ether	16.4	5.00	"	25.0		65.5	34-112		6.04	20	
4-Nitroaniline	22.4	5.00	"	25.0		89.6	15-143		8.13	20	
4-Nitrophenol	17.5	5.00	"	25.0		69.9	10-112		1.27	20	
Acenaphthene	16.0	0.0500	"	25.0		64.0	24-114		0.439	20	
Acenaphthylene	15.4	0.0500	"	25.0		61.6	26-112		0.647	20	
Acetophenone	17.3	5.00	"	25.0		69.3	47-92		3.35	20	
Aniline	9.47	5.00	"	25.0		37.9	10-107		6.24	20	
Anthracene	18.3	0.0500	"	25.0		73.3	35-114		2.75	20	
Atrazine	21.4	0.500	"	25.0		85.4	43-101		1.13	20	
Benzaldehyde	20.1	5.00	"	25.0		80.4	17-117		3.96	20	
Benzo(a)anthracene	19.2	0.0500	"	25.0		77.0	38-127		0.312	20	
Benzo(a)pyrene	19.4	0.0500	"	25.0		77.8	30-146		6.52	20	
Benzo(b)fluoranthene	20.0	0.0500	"	25.0		80.0	36-145		5.64	20	
Benzo(g,h,i)perylene	21.0	0.0500	"	25.0		84.1	10-163		5.55	20	
Benzo(k)fluoranthene	18.8	0.0500	"	25.0		75.2	16-149		6.63	20	
Benzoic acid	ND	5.00	"	25.0			30-130	Low Bias		20	
Benzyl alcohol	15.2	5.00	"	25.0		60.8	18-75		5.40	20	
Benzyl butyl phthalate	20.8	5.00	"	25.0		83.3	28-129		3.82	20	
Bis(2-chloroethoxy)methane	18.5	5.00	"	25.0		74.0	27-112		1.53	20	
Bis(2-chloroethyl)ether	17.8	5.00	"	25.0		71.3	24-114		5.18	20	
Bis(2-chloroisopropyl)ether	20.6	5.00	"	25.0		82.2	21-124		1.45	20	
Bis(2-ethylhexyl)phthalate	21.6	0.500	"	25.0		86.3	10-171		1.40	20	
Caprolactam	5.81	5.00	"	25.0		23.2	10-29		12.4	20	



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ71109 - EPA 3510C											
LCS Dup (BJ71109-BSD1)											
										Prepared: 10/20/2017 Analyzed: 10/22/2017	
Carbazole	18.8	5.00	ug/L	25.0		75.4	49-116		2.36	20	
Chrysene	18.6	0.0500	"	25.0		74.2	33-120		1.66	20	
Dibenzo(a,h)anthracene	21.7	0.0500	"	25.0		86.6	10-149		1.19	20	
Dibenzofuran	16.7	5.00	"	25.0		66.7	42-105		1.84	20	
Diethyl phthalate	16.8	5.00	"	25.0		67.1	38-112		5.70	20	
Dimethyl phthalate	18.2	5.00	"	25.0		72.8	49-106		3.46	20	
Di-n-butyl phthalate	18.6	5.00	"	25.0		74.4	36-110		0.810	20	
Di-n-octyl phthalate	23.0	5.00	"	25.0		92.0	12-149		3.14	20	
Fluoranthene	18.5	0.0500	"	25.0		74.2	33-126		0.484	20	
Fluorene	16.8	0.0500	"	25.0		67.0	28-117		2.29	20	
Hexachlorobenzene	14.8	0.0200	"	25.0		59.4	27-120		0.743	20	
Hexachlorobutadiene	13.2	0.500	"	25.0		52.7	25-106		0.533	20	
Hexachlorocyclopentadiene	4.82	5.00	"	25.0		19.3	10-99		9.57	20	
Hexachloroethane	12.6	0.500	"	25.0		50.6	33-84		1.02	20	
Indeno(1,2,3-cd)pyrene	21.0	0.0500	"	25.0		83.8	10-150		3.98	20	
Isophorone	18.1	5.00	"	25.0		72.5	29-115		3.63	20	
Naphthalene	15.1	0.0500	"	25.0		60.6	30-99		1.90	20	
Nitrobenzene	19.1	0.250	"	25.0		76.5	32-113		1.58	20	
N-Nitrosodimethylamine	9.23	0.500	"	25.0		36.9	10-63		13.7	20	
N-nitroso-di-n-propylamine	15.1	5.00	"	25.0		60.4	36-118		5.59	20	
N-Nitrosodiphenylamine	20.4	5.00	"	25.0		81.8	27-145		2.53	20	
Pentachlorophenol	16.1	0.250	"	25.0		64.2	19-127		1.85	20	
Phenanthrene	19.0	0.0500	"	25.0		76.1	31-112		2.80	20	
Phenol	9.71	5.00	"	25.0		38.8	10-37	High Bias	0.411	20	
Pyrene	20.6	0.0500	"	25.0		82.3	42-125		5.49	20	
<i>Surrogate: 2-Fluorophenol</i>	<i>37.8</i>		<i>"</i>	<i>75.7</i>		<i>50.0</i>	<i>12-64</i>				
<i>Surrogate: Phenol-d5</i>	<i>28.3</i>		<i>"</i>	<i>75.7</i>		<i>37.4</i>	<i>10-82</i>				
<i>Surrogate: Nitrobenzene-d5</i>	<i>41.7</i>		<i>"</i>	<i>53.2</i>		<i>78.4</i>	<i>12-96</i>				
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>32.9</i>		<i>"</i>	<i>51.5</i>		<i>63.9</i>	<i>16-84</i>				
<i>Surrogate: 2,4,6-Tribromophenol</i>	<i>74.1</i>		<i>"</i>	<i>75.5</i>		<i>98.1</i>	<i>15-104</i>				
<i>Surrogate: Terphenyl-d14</i>	<i>32.3</i>		<i>"</i>	<i>50.0</i>		<i>64.7</i>	<i>15-106</i>				



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

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

Batch BJ71117 - EPA 3015A

Blank (BJ71117-BLK1)

Prepared & Analyzed: 10/20/2017

Arsenic	ND	0.004	mg/L									
Barium	ND	0.011	"									
Beryllium	ND	0.001	"									
Cadmium	ND	0.003	"									
Chromium	ND	0.006	"									
Copper	0.014	0.003	"									
Lead	ND	0.006	"									
Manganese	ND	0.006	"									
Nickel	ND	0.006	"									
Selenium	ND	0.011	"									
Silver	ND	0.006	"									
Zinc	ND	0.017	"									

Reference (BJ71117-SRM1)

Prepared & Analyzed: 10/20/2017

Arsenic	0.738		ug/mL	0.740	99.8	84.3-114.3
Barium	0.515		"	0.500	103	85-115
Beryllium	0.453		"	0.460	98.5	85-115
Cadmium	0.227		"	0.240	94.8	84.9-115
Chromium	0.864		"	0.860	101	85-115
Copper	0.348		"	0.320	109	85-115
Lead	0.615		"	0.640	96.0	85-115
Manganese	1.08		"	1.02	106	84.9-115
Nickel	1.78		"	1.78	99.8	87-113.7
Selenium	0.658		"	0.680	96.8	85.1-115.1
Silver	0.593		"	0.600	98.9	85-115
Zinc	1.52		"	1.62	93.7	84.9-115



Mercury by EPA 7000/200 Series Methods - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Flag	RPD	RPD	Flag
		Limit		Level	Result	Limits	Limit				
Batch BJ71129 - EPA 7473 water											
Blank (BJ71129-BLK1)										Prepared & Analyzed: 10/20/2017	
Mercury	ND	0.00020	mg/L								
Duplicate (BJ71129-DUP1)										*Source sample: 17J0667-01 (MW-1) Prepared & Analyzed: 10/20/2017	
Mercury	ND	0.00020	mg/L		ND						20
Matrix Spike (BJ71129-MS1)										*Source sample: 17J0667-01 (MW-1) Prepared & Analyzed: 10/20/2017	
Mercury	0.00180		mg/L	0.00200	ND	90.0	75-125				
Reference (BJ71129-SRM1)										Prepared & Analyzed: 10/20/2017	
Mercury	0.00630		mg/L	0.00740		85.1	70-130				



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ70831 - Analysis Preparation											
Blank (BJ70831-BLK1)										Prepared & Analyzed: 10/16/2017	
Chromium, Hexavalent	ND	0.0100	mg/L								
LCS (BJ70831-BS1)										Prepared & Analyzed: 10/16/2017	
Chromium, Hexavalent	0.517	0.0100	mg/L	0.500		103	80-120				
Duplicate (BJ70831-DUP1)										Prepared & Analyzed: 10/16/2017	
*Source sample: 17J0667-03 (2017.10.16-DUPW1)											
Chromium, Hexavalent	ND	0.0100	mg/L		ND						20
Matrix Spike (BJ70831-MS1)										Prepared & Analyzed: 10/16/2017	
*Source sample: 17J0667-03 (2017.10.16-DUPW1)											
Chromium, Hexavalent	0.520	0.0100	mg/L	0.500	ND	104	75-125				
Batch BJ71180 - Analysis Preparation											
Blank (BJ71180-BLK1)										Prepared & Analyzed: 10/23/2017	
Cyanide, total	ND	0.0100	mg/L								
LCS (BJ71180-BS1)										Prepared & Analyzed: 10/23/2017	
Cyanide, total	0.192	0.0100	mg/L	0.200		96.0	76.2-107				
Duplicate (BJ71180-DUP1)										Prepared & Analyzed: 10/23/2017	
*Source sample: 17J0667-01 (MW-1)											
Cyanide, total	ND	0.0100	mg/L		ND						15
Matrix Spike (BJ71180-MS1)										Prepared & Analyzed: 10/23/2017	
*Source sample: 17J0667-01 (MW-1)											
Cyanide, total	0.177	0.0100	mg/L	0.200	ND	88.5	79-105				



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
17J0667-01	MW-1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
17J0667-02	MW-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
17J0667-03	2017.10.16-DUPW1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
17J0667-04	2017.10.16-TB02	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

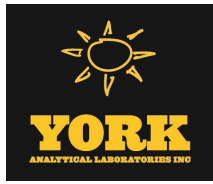
S-08	The recovery of this surrogate was outside of QC limits.
QR-04	The RPD exceeded control limits for the LCS/LCSD QC.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

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

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

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



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

Certification for pH is no longer offered by NYDOH ELAP.

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

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