



CASTLETON

ENVIRONMENTAL

54 George Street, Babylon Village, NY 11702
817 Broadway 2nd Floor, New York, NY 10003
631-482-1818 OFFICE
631-482-9042 FAX
www.castletonenv.com

Phase II Environmental Site Assessment 291 Richardson Avenue Brooklyn, New York

January 2019



Prepared for: Marshall Kesten
CR 17 LLC
1036 Manhattan Avenue
Brooklyn, NY 11222
pmauto123@aol.com



**PHASE II ENVIRONMENTAL SITE ASSESSMENT
291 RICHARDSON STREET
BROOKLYN, NEW YORK
JANUARY 2019
CASTLETON PROJECT NUMBER: CRL1801**

Table of Contents

1.0	INTRODUCTION	1
2.0	SITE BACKGROUND	1
3.0	PHASE II ESA FIELD INVESTIGATION.....	1
3.1	Geophysical Survey	2
3.2	Soil Investigation	2
4.0	ANALYTICAL RESULTS AND DATA DISCUSSION.....	3
5.0	CONCLUSIONS AND RECOMMENDATIONS.....	4
6.0	SIGNATURES OF ENVIRONMENTAL PROFESSIONALS	4

Figures

Figure 1 – Vicinity Map

Figure 2 – Site Plan

Appendices

Appendix A – Soil Boring Logs

Appendix B – Laboratory Analytical Summary and Report

1.0 INTRODUCTION

Castleton Environmental Geologic Services DPC (Castleton) has prepared the following Phase II Environmental Site Assessment (ESA) report to document the findings of the subsurface investigation performed at 291 Richardson Street, Brooklyn, New York (the site). The scope of work performed was based upon the findings and recommendations contained in the Phase I ESA prepared by Middleton Environmental Inc. (MEI) dated September 30, 2018.

The objective of this investigation was to determine if contamination from past usage as drum storage has impacted the subsurface.

This objective was met through the performance of a subsurface quality assessment which consisted of a geophysical survey and the collection and laboratory analysis of soil samples.

2.0 SITE BACKGROUND

The site is located at 291 Richardson Street, Brooklyn, New York (Figure 1). The site consists of a rectangular-shaped parcel with an estimated area of 0.082 acres. The site is improved with a 1-story commercial building with no basement. This 2,375 square foot building is occupied by one (1) commercial tenant (Windmill Studios). A review of the New York City Building Department property profile overview indicated that the building was constructed circa 1970. The building occupies the majority of the parcel with minimal areas of exposed grounds or landscaped areas bordered by municipal walkways and right-of-ways.

The Phase I ESA identified the following Recognized Environmental Conditions (RECs):

- Historic Sanborn Fire Insurance Maps indicate the site was used for drum storage between at least 1977 and 2007. This use is presumed to be associated with the north adjoining cooperage, at 18 Division Place, site which is listed as a State Hazardous Waste site based on known significant contamination.

Based on the historic use of the site as drum storage, MEI recommended that a Phase II ESA be conducted to determine if the historic use has had an adverse impact on the subsurface.

3.0 PHASE II ESA FIELD INVESTIGATION

The following scope of work was completed to assess subsurface conditions in relation to the suspect UST and site operations.

Task	Objective
Geophysical Survey	Identify subsurface anomalies indicative of underground storage tanks or drums.
Soil Sampling	Characterize site soil quality related to historic usage of the site.

On-site work was completed on December 27, 2018. Sample collection locations are depicted on Figure 2.

3.1 Geophysical Survey

A geophysical survey was performed to identify evidence of subsurface anomalies indicative of underground storage tanks or drums, trace drainage piping, and to clear utilities and other subsurface obstructions prior to intrusive activities commencing. The survey was performed using a variety of remote sensing equipment/methods including a magnetometer to identify ferrous metallic objects, ground penetrating radar (GPR) to identify changes in soil density and a pipe locating device to trace piping runs. The geophysical survey was performed by Delta Geophysics, Inc. of Catasauqua, Pennsylvania.

A utility hatch located in the driveway of the site was traced to connect to the on-site sewer lines which ran east to west.

No other anomalies of concern were identified during the geophysical survey.

3.2 Soil Investigation

Soil borings were advanced to assess soil conditions at the site related to the historic use of the site. Soil borings were advanced with direct push technology (Geoprobe®) by Coastal Environmental Solutions, Inc of Medford, New York.

Six soil borings were advanced throughout the site to obtain representative coverage. Soil borings SB01 and SB03 through SB06 were installed to twenty feet below grade. SB02 was installed to fifteen feet below grade where refusal was encountered. Additionally, one soil sample, UH01, was collected from within the utility hatch.

Soil samples were collected continuously from each boring location, logged and field screened with a photoionization detector (PID) for the presence of volatile organic compounds (VOCs). PID readings ranged from 0.0 parts per million (ppm) in SB03, SB05 and SB06 to 1,045 ppm in SB01. Soil was observed to consist of silty sand and clayey sand. Groundwater was not encountered during this investigation.

Soil boring logs are provided as Appendix A.

Two soil samples were retained for laboratory analysis from boring SB01, and one soil sample was retained from SB04 and within the utility hatch (UH01):

Boring	Soil Sample Interval
SB01	0-2 feet
SB01	18-20 feet
SB04	2-4 feet
UH01	0-1 feet

Soil samples were placed into laboratory supplied glassware and submitted under chain of custody to York Analytical Laboratories of Stratford, Connecticut a New York State Department of Health (NYSDOH) ELAP certified laboratory. The soil samples were analyzed for:

- Volatile organic compounds (VOCs) by EPA Method 8260
- Semi-Volatile organic compounds (SVOCs) by EPA Method 8270
- TAL Metals by EPA Method 6010/8483

4.0 ANALYTICAL RESULTS AND DATA DISCUSSION

Soil quality analytical results were compared to NYSDEC Part 375 Soil Cleanup Objectives (SCOs).

Soil analytical results reported concentrations of VOCs including 1,1-dichloroethane, 1,2,4-trimethylbenzene, acetone, cis-1,2-dichloroethylene, ethyl benzene, methylene chloride, toluene, trichloroethylene, vinyl chloride, and xylenes above Unrestricted Use SCOs, but below Restricted Residential Use SCOs. One VOC, tetrachloroethylene (PCE), was reported above Restricted Residential SCOs, but below Commercial SCOs in one of the four samples. All other VOCs were reported as non-detect or below Unrestricted Use SCOs.

Soil analytical results reported concentrations of SVOCs including 1,2-dichlorobenzene, chrysene, indeno(1,2,3-cd)pyrene, and phenol above Unrestricted Use SCOs, but below Restricted Residential SCOs. All other VOCs were reported as non-detect or below Unrestricted Use SCOs.

Soil analytical results reported concentrations of metals including barium, chromium, copper, nickel, and zinc above Unrestricted Use SCOs, but below Restricted Residential SCOs. Cadmium and lead were reported above Restricted Use SCOs. Mercury was reported above Commercial Use SCOs, but below Industrial Use SCOs in one of the four samples analyzed. All other metals were reported as non-detect or below Unrestricted Use SCOs.

A summary table and the complete analytical report from the laboratory is included in Appendix B.

5.0 CONCLUSIONS AND RECOMMENDATIONS

Castleton has prepared this Phase II ESA report to document the findings of the subsurface investigation performed at 291 Richardson Street, Brooklyn, New York. The scope of work performed was based upon the findings and recommendations contained in the Phase I ESA prepared by MEI dated September 30, 2018.

The objective of this investigation was to determine if contamination from past usage as drum storage has impacted the subsurface.

This objective was met through the performance of a subsurface quality assessment which consisted of a geophysical survey and the collection and laboratory analysis of soil samples.

Six soil borings were advanced. Four soil samples were submitted for laboratory analysis.

Soil analytical results reported VOCs and SVOCs below Commercial SCOs. One metal, mercury, was reported above Commercial SCOs, but below Industrial SCOs in one of the four soil samples. Based on the data set, the soil quality meets the industrial/manufacturing zoning of the property. However, if site use/zoning changes, additional investigation and remediation will be recommended for the intended use (i.e. – commercial/residential).

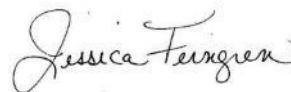
Castleton recommends that a Soil Management Plan be developed for the property to address future soil disturbance and/or site development.

6.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

We declare that to the best of our knowledge and belief, we meet the definition of Environmental Professional as defined in §312.10 of 40 CFR and, we have the specific qualifications based on education, training, and experience to perform Phase II Environmental Site Assessments.



Frank P. Castellano
Principal



Jessica Ferngren
Sr. Project Manager



FIGURES

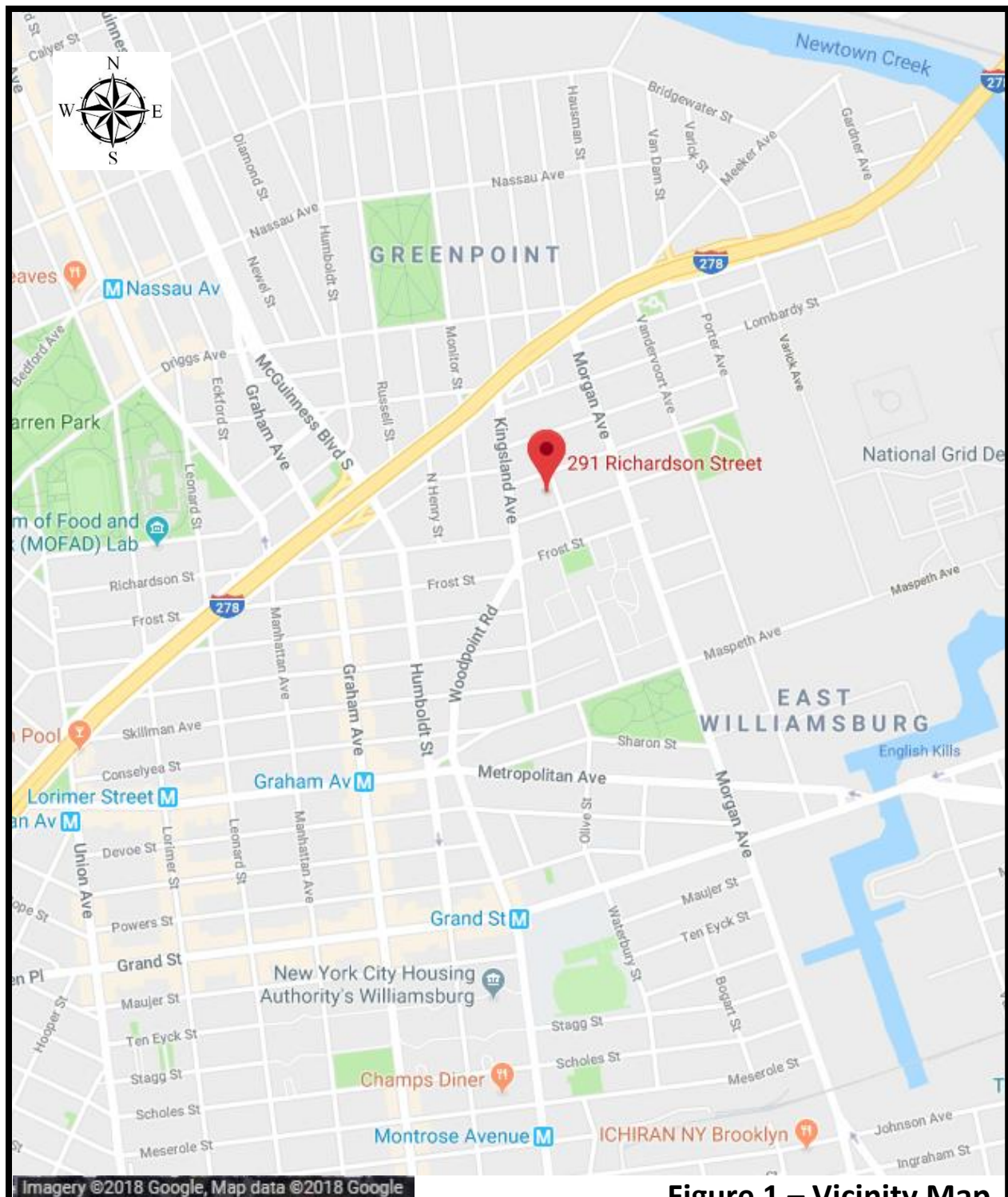
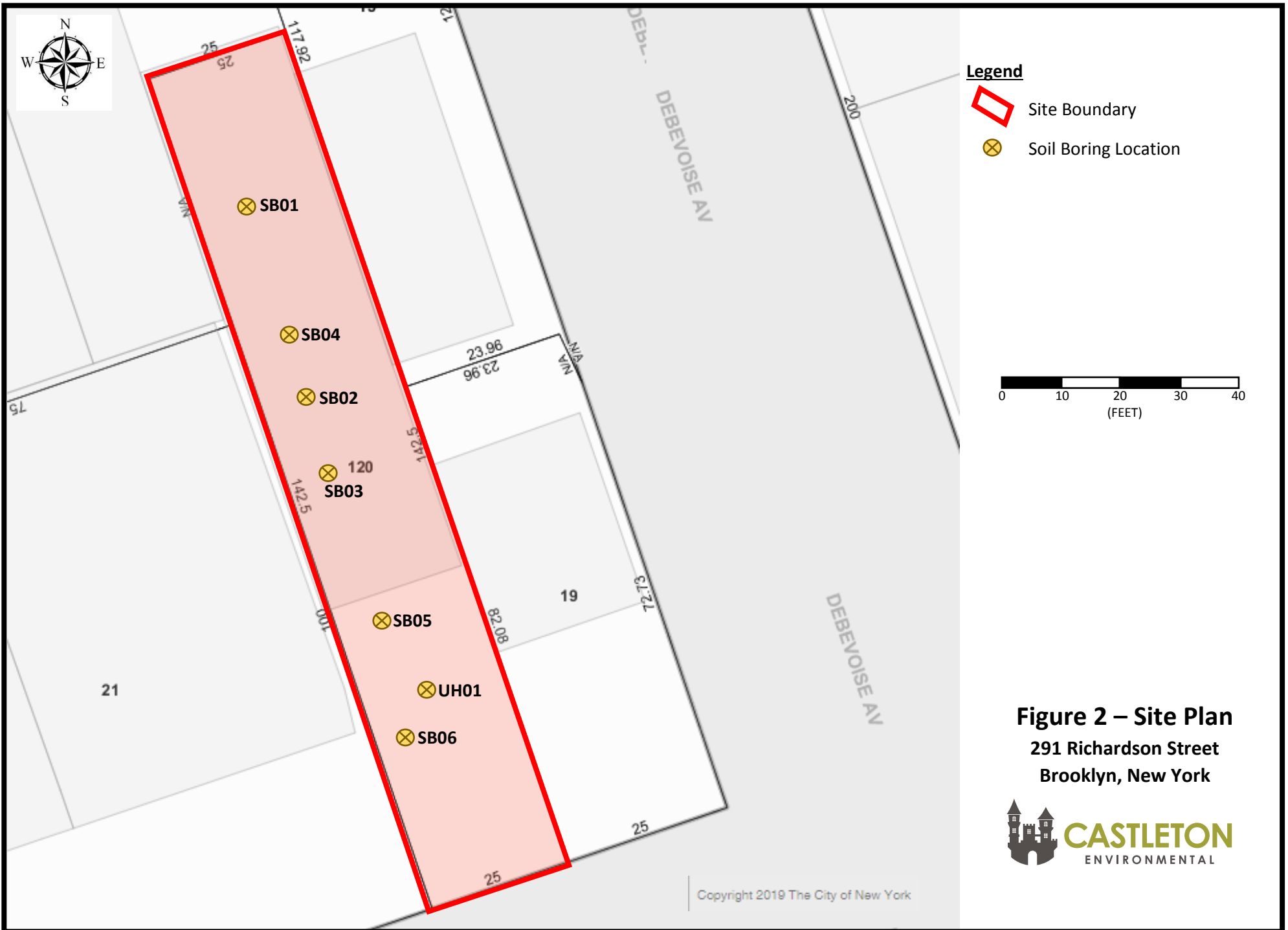


Figure 1 – Vicinity Map
291 Richardson Street
Brooklyn, New York





APPENDIX A



Locations are approximate

Boring # SB01	MW#	Page 1	of 1
PROJECT: 291 Richardson Street			
JOB # CRL1801			
LOGGED BY:	CL	PRJ. MNGR.:	JF
DRILLING CONTRACTOR: Coastal Environmental Solutions			
DRILL METHOD: GeoProbe 6610DT			
DRILLER: Tom			
Borehole diameter/drill bit type:		total depth	20 ft
Macrocore (2" diameter)		elevation	NA
HAMMER WT: NA		DROP: NA	
START TIME: 9:00		DATE: 12/27/2018	
COMPLETION TIME: 9:20		DATE: 12/27/2018	
BACKFILL TIME: 11:20		DATE: 12/27/2018	

Sample Depth	Advance (ft)	Recovered (ft)	Soil Description Unified Soil Classification System	Notes	Casing depth: NA Screen depth: NA
0-5 ft	5	3	Concrete Dark brown silty fine sand SAND	PID = 1045 ppm.	
5-10 ft	5	3	Brown silty fine sand SAND Brown silty fine sand SAND (Wet from 5-9 ft) Orange clayey SAND	PID = 995.2 ppm.	
10-15 ft	5	3	Brown silty fine sand SAND	PID = 183.6 ppm.	
15-20 ft	5	3	Brown silty fine sand SAND	PID = 46.8 ppm.	



Locations are approximate

Boring # SB02	MW#	Page 1	of 1
PROJECT: 291 Richardson Street			
JOB # CRL1801			
LOGGED BY:	CL	PRJ. MNGR.:	JF
DRILLING CONTRACTOR: Coastal Environmental Solutions			
DRILL METHOD: GeoProbe 6610DT			
DRILLER: Tom			
Borehole diameter/drill bit type:		total depth	15 ft
Macrocore (2" diameter)		elevation	NA
HAMMER WT: NA		DROP: NA	
START TIME: 9:20		DATE: 12/27/2018	
COMPLETION TIME: 10:00		DATE: 12/27/2018	
BACKFILL TIME: 11:20		DATE: 12/27/2018	

Sample Depth	Advance (ft)	Recovered (ft)	Soil Description Unified Soil Classification System	Notes	Casing depth: NA Screen depth: NA
0-5 ft	5	1.5	Concrete Brown silty fine sand SAND, trace fine gravel	PID = 1.4 ppm.	
5-10 ft	5	5	Brown silty fine sand SAND, trace fine gravel Tan silty fine sand SAND, trace fine gravel	PID = 2.2 ppm.	
10-15 ft	5	5	Brown silty fine sand SAND, trace fine gravel (Wet from 10-13 ft) Red clayey SAND Refusal @ 15 ft	PID = 2.1 ppm.	



Locations are approximate

Boring # SB03	MW#	Page 1	of 1
PROJECT: 291 Richardson Street			
JOB # CRL1801			
LOGGED BY:	CL	PRJ. MNGR.:	JF
DRILLING CONTRACTOR: Coastal Environmental Solutions			
DRILL METHOD: GeoProbe 6610DT			
DRILLER: Tom			
Borehole diameter/drill bit type:		total depth	20 ft
Macrocore (2" diameter)		elevation	NA
HAMMER WT: NA		DROP: NA	
START TIME: 10:00		DATE: 12/27/2018	
COMPLETION TIME: 10:15		DATE: 12/27/2018	
BACKFILL TIME: 11:20		DATE: 12/27/2018	

Sample Depth	Advance (ft)	Recovered (ft)	Soil Description Unified Soil Classification System	Notes	Casing depth: NA Screen depth: NA
0-5 ft	5	3	Concrete Dark Brown silty fine sand SAND, trace fine gravel Brown silty fine sand SAND, trace fine gravel	PID = 0.0 ppm.	
5-10 ft	5	3	Brown silty fine sand SAND, trace fine gravel	PID = 0.0 ppm.	
10-15 ft	5	3	Brown silty fine sand SAND, trace fine gravel Red clayey SAND	PID = 0.0 ppm.	
15-20 ft	5	3	Brown silty fine sand SAND, trace fine gravel	PID = 0.0 ppm.	



Locations are approximate

Boring # SB04	MW#	Page 1	of 1
PROJECT: 291 Richardson Street			
JOB # CRL1801			
LOGGED BY:	CL	PRJ. MNGR.:	JF
DRILLING CONTRACTOR: Coastal Environmental Solutions			
DRILL METHOD: GeoProbe 6610DT			
DRILLER: Tom			
Borehole diameter/drill bit type:		total depth	20 ft
Macrocore (2" diameter)		elevation	NA
HAMMER WT: NA		DROP: NA	
START TIME: 10:15		DATE: 12/27/2018	
COMPLETION TIME: 10:40		DATE: 12/27/2018	
BACKFILL TIME: 11:20		DATE: 12/27/2018	
Sample Depth	Advance (ft)	Recovered (ft)	Soil Description Unified Soil Classification System
			Notes
0-5 ft	5	3	Concrete Dark Brown silty fine sand SAND, trace fine gravel PID = 368.0 ppm.
5-10 ft	5	2.5	Brown silty fine sand SAND, trace fine gravel PID = 260.4 ppm.
10-15 ft	5	3.5	Brown silty fine sand SAND, trace fine gravel PID = 60.7 ppm.
15-20 ft	5	3.5	Brown silty fine sand SAND, trace fine gravel PID = 31.0 ppm.



Locations are approximate

Boring # SB05	MW#	Page 1	of 1
PROJECT: 291 Richardson Street			
JOB # CRL1801			
LOGGED BY:	CL	PRJ. MNGR.:	JF
DRILLING CONTRACTOR: Coastal Environmental Solutions			
DRILL METHOD: GeoProbe 6610DT			
DRILLER: Tom			
Borehole diameter/drill bit type:		total depth	20 ft
Macrocore (2" diameter)		elevation	NA
HAMMER WT: NA		DROP: NA	
START TIME: 10:40		DATE: 12/27/2018	
COMPLETION TIME: 10:55		DATE: 12/27/2018	
BACKFILL TIME: 11:20		DATE: 12/27/2018	

Sample Depth	Advance (ft)	Recovered (ft)	Soil Description Unified Soil Classification System	Notes	Casing depth: NA Screen depth: NA
0-5 ft	5	3	Concrete Dark Brown silty fine sand SAND, trace fine gravel Brown silty fine sand SAND, trace fine gravel	PID = 0.0 ppm.	
5-10 ft	5	2.5	Brown silty fine sand SAND, trace fine gravel	PID = 0.0 ppm.	
10-15 ft	5	3.5	Brown silty fine sand SAND, trace fine gravel	PID = 0.0 ppm.	
15-20 ft	5	3.5	Brown silty fine sand SAND, trace fine gravel	PID = 0.0 ppm.	



Locations are approximate

Boring # SB06	MW#	Page 1	of 1
PROJECT: 291 Richardson Street			
JOB # CRL1801			
LOGGED BY:	CL	PRJ. MNGR.:	JF
DRILLING CONTRACTOR: Coastal Environmental Solutions			
DRILL METHOD: GeoProbe 6610DT			
DRILLER: Tom			
Borehole diameter/drill bit type:		total depth	20 ft
Macrocore (2" diameter)		elevation	NA
HAMMER WT: NA		DROP: NA	
START TIME: 10:55		DATE: 12/27/2018	
COMPLETION TIME: 1:10		DATE: 12/27/2018	
BACKFILL TIME: 11:20		DATE: 12/27/2018	

Sample Depth	Advance (ft)	Recovered (ft)	Soil Description Unified Soil Classification System	Notes	Casing depth: NA Screen depth: NA
0-5 ft	5	3	Concrete Dark Brown silty fine sand SAND, trace fine gravel Brown silty fine sand SAND, trace fine gravel	PID = 0.0 ppm.	
5-10 ft	5	2.5	Brown silty fine sand SAND, trace fine gravel	PID = 0.0 ppm.	
10-15 ft	5	3.5	Brown silty fine sand SAND, trace fine gravel	PID = 0.0 ppm.	
15-20 ft	5	3.5	Brown silty fine sand SAND, trace fine gravel	PID = 0.0 ppm.	



APPENDIX B

TABLE
SOIL ANALYTICAL SUMMARY - VOLATILE ORGANIC COMPOUNDS

291 RICHARDSON STREET, BROOKLYN, NEW YORK
DECEMBER 2018

Sample ID		NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives - Restricted Residential	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Commercial	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Industrial	S801 (0-2)	S801 (18-20)	S804	UH01
York ID						18L1143-01 12/27/2018 9:20:00 AM Soil	18L1143-02 12/27/2018 9:25:00 AM Soil	18L1143-03 12/27/2018 10:40:00 AM Soil	18L1143-04 12/27/2018 11:00:00 AM Soil
Sampling Date	Compound	CAS Number	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Client Matrix									
	Volatile Organics, B260 - Comprehensive								
	Dilution Factor								
	1,1,1,2-Tetrachloroethane	630-20-6	~	~	~	1000	100	100	100
	1,1,1-Trichloroethane	71-55-6	0.68	100	500	0.00220	U	0.00250	U
	1,1,2-Trichloroethane	79-34-5	~	~	~	0.130	0.00430	U	0.0240
	1,1,2,2-Tetrachloroethane	79-34-5	~	~	~	0.00220	U	0.00250	U
	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	76-13-1	~	~	~	0.110	0.00590	0.0130	0.0470
	1,1,2-Trichloroethane	79-00-5	~	~	~	0.00220	U	0.00250	U
	1,1-Dichloroethane	75-34-3	0.27	26	240	0.130	0.00250	U	0.0220
	1,1-Dichloroethylene	75-35-4	0.33	100	500	0.0210	0.00250	U	0.00260
	1,2,3-Trichlorobenzene	87-61-6	~	~	~	0.00220	U	0.0310	U
	1,2,3-Trichloropropane	96-18-4	~	~	~	0.00220	U	0.00250	U
	1,2,4-Trichlorobenzene	120-82-1	~	~	~	0.0180	D	0.0320	U
	1,2,4-Trimethylbenzene	95-63-6	3.6	52	190	2.300	0.00250	8.600	5.300
	1,2-Dibromo-3-chloropropane	96-12-8	~	~	~	0.00220	U	0.00250	U
	1,2-Dibromoethane	106-93-4	~	~	~	0.00220	U	0.00250	U
	1,2-Dichlorobenzene	95-50-1	1.1	100	500	0.950	D	0.0630	U
	1,2-Dichloroethane	107-06-2	0.02	3.1	30	0.00220	U	0.00250	U
	1,2-Dichloropropane	78-87-5	~	~	~	0.00220	U	0.00250	U
	1,3,5-Trimethylbenzene	108-67-8	8.4	52	190	0.860	D	1.120	4.500
	1,3-Dichlorobenzene	541-73-1	2.4	49	280	0.220	U	0.00250	U
	1,4-Dichlorobenzene	106-46-7	1.8	13	110	0.220	U	0.00250	U
	1,4-Dioxane	123-91-1	0.1	13	130	0.0440	U	0.0500	U
	2-Butanone	78-93-3	0.12	100	500	0.00220	U	0.00250	U
	2-Hexanone	591-78-6	~	~	~	0.00220	U	0.00250	U
	4-Methyl-2-pentanone	108-10-1	~	~	~	0.00220	U	0.00250	U
	Acetone	67-64-1	0.05	100	500	0.440	U	0.100	0.590
	Acrolein	107-02-8	~	~	~	0.00440	U	0.00500	U
	Acrylonitrile	107-13-1	~	~	~	0.00220	U	0.00250	U
	Benzene	71-43-2	0.06	4.8	44	0.0600	U	0.0120	0.0170
	Bromochloromethane	74-97-5	~	~	~	0.00220	U	0.00250	U
	Bromodichloromethane	75-27-4	~	~	~	0.00220	U	0.00250	U
	Bromofom	75-25-2	~	~	~	0.00220	U	0.00250	U
	Bromomethane	74-83-9	~	~	~	0.00220	U	0.00250	U
	Carbon disulfide	75-15-0	~	~	~	0.00220	U	0.00250	U
	Carbon tetrachloride	56-23-5	0.76	2.4	22	0.00220	U	0.00250	U
	Chlorobenzene	108-90-7	1.1	100	500	0.290	U	0.0450	0.800
	Chloroethane	75-00-3	~	~	~	0.00220	U	0.00250	U
	Chloroform	67-66-3	0.37	49	350	0.0110	U	0.00250	U
	Chloromethane	74-87-3	~	~	~	0.00220	U	0.00250	U
	cis-1,2-Dichloroethylene	156-59-2	0.25	100	500	0.930	D	0.0940	2.700
	cis-1,3-Dichloropropylene	10061-01-5	~	~	~	0.00220	U	0.00250	U
	Cyclohexane	110-82-7	~	~	~	0.0620	U	0.00250	0.0370
	Dibromochloromethane	124-48-1	~	~	~	0.00220	U	0.00250	U
	Dibromomethane	74-95-3	~	~	~	0.00220	U	0.00250	U
	Dichlorodifluoromethane	75-71-8	~	~	~	0.00220	U	0.00250	U
	Ethyl Benzene	100-41-4	1	41	390	0.440	JD	0.0580	1.400
	Hexachlorobutadiene	87-68-3	~	~	~	0.00220	U	0.00250	U
	Isopropylbenzene	98-82-8	2.3	~	~	0.220	U	0.0150	0.670
	Methyl acetate	79-20-9	~	~	~	0.00220	U	0.00250	U
	Methyl tert-butyl ether (MTBE)	1634-04-4	0.93	100	500	0.00220	U	0.00250	U
	Methylcyclohexane	108-87-2	~	~	~	0.160	U	0.00270	0.0690
	Methylene chloride	75-09-2	0.05	100	500	0.440	U	0.00500	0.0590
	n-Butylbenzene	104-51-8	12	100	500	0.220	U	0.00920	0.260
	n-Propylbenzene	103-65-1	3.9	100	500	0.330	JD	0.0390	1.400
	o-Xylene	95-47-6	~	~	~	0.780	D	0.120	4.100
	p- & m- Xylenes	178601-23-1	~	~	~	2.500	U	0.290	6.200
	p-Isopropyltoluene	99-87-6	10	~	~	0.300	JD	0.0710	2.800
	sec-Butylbenzene	135-98-8	11	100	500	0.220	U	0.00910	0.550
	Styrene	100-42-5	~	~	~	0.220	U	0.00250	U
	tert-Butyl alcohol (TBA)	75-65-0	~	~	~	0.00220	U	0.00250	U
	tert-Butylbenzene	98-06-6	5.9	100	500	0.0730	U	0.00250	0.0670
	Tetrachloroethylene	127-18-4	1.3	19	150	94	D	5.600	0.510
	Toluene	108-88-3	0.7	100	500	0.980	U	2.100	1.700
	trans-1,2-Dichloroethylene	156-60-5	0.19	100	500	0.0320	U	0.0100	0.170
	trans-1,3-Dichloropropylene	10061-02-6	~	~	~	0.00220	U	0.00250	U
	trans-1,4-dichloro-2-butene	110-57-6	~	~	~	0.00220	U	0.00250	U
	Trichloroethylene	79-01-6	0.47	21	200	0.700	U	0.0670	2.100
	Trichlorofluoromethane	75-69-4	~	~	~	0.00220	U	0.00250	U
	Vinyl Chloride	75-01-4	0.02	0.9	13	0.220	U	0.00320	7.900
	Xylenes, Total	1330-20-7	0.26	100	500	1.300	D	0.410	10

NOTES:

Any Regulatory Exceedences are color coded by Regulation

Q is the Qualifier Column with definitions as follows:

D=Result is from an analysis that required a dilution

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

U=analyte not detected at or above the level indicated

B=analyte found in the analysis batch blank

E=Result is estimated and cannot be accurately reported due to levels encountered or interferences

P=This flag is used for pesticide and PCB (Aroclor) target compounds when there is a % difference for detected concentrations that exceed method dictated limits between the two GC columns used for analysis

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

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

TABLE
SOIL ANALYTICAL SUMMARY - SEMI-VOLATILE ORGANIC COMPOUNDS

291 RICHARDSON STREET, BROOKLYN, NEW YORK
DECEMBER 2018

Sample ID		NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives - Restricted Residential	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Commercial	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Industrial	S801 (0-2)		S801 (18-20)		S804		UH01	
York ID						18L1143-01		18L1143-02		18L1143-03		18L1143-04	
Sampling Date						12/27/2018 9:20:00 AM		12/27/2018 9:25:00 AM		12/27/2018 10:40:00 AM		12/27/2018 11:00:00 AM	
Client Matrix						Soil		Soil		Soil		Soil	
Compound	CAS Number	mg/Kg	mg/Kg	mg/Kg	mg/Kg	Result	Q	Result	Q	Result	Q	Result	Q
Semi-Volatiles, 8270 - Comprehensive						mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Dilution Factor						20		2		2		2	
1,1-Biphenyl	92-52-4	-	-	-	-	0.209	D	0.0455	U	0.141	D	0.0706	JD
1,2,4,5-Tetrachlorobenzene	95-94-3	-	-	-	-	0.0948	U	0.0908	U	0.0931	U	0.124	U
1,2,4-Trichlorobenzene	120-82-1	-	-	-	-	0.0475	U	0.0799	JD	0.533	JD	0.0624	U
1,2-Dichlorobenzene	95-50-1	1.1	100	500	1000	4.220	D	0.0552	JD	0.295	D	0.112	JD
1,2-Diphenylhydrazine (as Azobenzene)	122-66-7	-	-	-	-	0.0475	U	0.0455	U	0.0466	U	0.0624	U
1,3-Dichlorobenzene	541-73-1	2.4	49	280	560	0.140	D	0.0455	U	0.0466	U	0.0624	U
1,4-Dichlorobenzene	106-46-7	1.8	13	130	250	0.219	D	0.0455	U	0.0466	U	0.0624	U
2,3,4,6-Tetrachlorophenol	58-90-2	-	-	-	-	0.0948	U	0.0908	U	0.0931	U	0.124	U
2,4,5-Trichlorophenol	95-95-4	-	-	-	-	0.0475	U	0.0455	U	0.0466	U	0.0624	U
2,4,6-Trichlorophenol	88-06-2	-	-	-	-	0.0475	U	0.0455	U	0.0466	U	0.0624	U
2,4-Dichlorophenol	120-83-2	-	-	-	-	0.0475	U	0.0455	U	0.0466	U	0.0624	U
2,4-Dimethylphenol	105-67-9	-	-	-	-	0.0475	U	0.0455	U	0.0466	U	0.0624	U
2,4-Dinitrophenol	51-28-5	-	-	-	-	0.0948	U	0.0908	U	0.0931	U	0.124	U
2,4-Dinitrotoluene	121-14-2	-	-	-	-	0.0475	U	0.0455	U	0.0466	U	0.0624	U
2,6-Dinitrotoluene	606-20-2	-	-	-	-	0.0475	U	0.0455	U	0.0466	U	0.0624	U
2-Chloronaphthalene	91-58-7	-	-	-	-	0.0475	U	0.0455	U	0.0466	U	0.0624	U
2-Chlorophenol	95-57-8	-	-	-	-	0.0475	U	0.0455	U	0.0466	U	0.0624	U
2-Methylphenylthale	91-57-6	-	-	-	-	5.160	D	0.117	D	0.921	D	0.516	D
2-Methylphenol	95-48-7	0.33	100	500	1000	0.0475	U	0.0455	U	0.0466	U	0.0624	U
2-Nitroaniline	88-74-4	-	-	-	-	0.0948	U	0.0908	U	0.0931	U	0.124	U
2-Nitrophenol	88-75-5	-	-	-	-	0.0475	U	0.0455	U	0.0466	U	0.0624	U
3- & 4-Methylphenols	65794-96-9	-	-	-	-	0.0475	U	0.0455	U	0.515	D	0.0624	U
3,3-Dichlorobenzidine	91-84-1	-	-	-	-	0.0475	U	0.0455	U	0.0466	U	0.0624	U
3-Nitroaniline	99-09-2	-	-	-	-	0.0948	U	0.0908	U	0.0931	U	0.124	U
4,6-Dinitro-2-methylphenol	534-52-1	-	-	-	-	0.0948	U	0.0908	U	0.0931	U	0.124	U
4-Bromophenyl phenyl ether	101-55-3	-	-	-	-	0.0475	U	0.0455	U	0.0466	U	0.0624	U
4-Chloro-3-methylphenol	59-50-7	-	-	-	-	0.0475	U	0.0455	U	0.0466	U	0.0624	U
4-Chloroaniline	106-47-8	-	-	-	-	0.0475	U	0.0455	U	0.0466	U	0.0624	U
4-Chlorophenyl phenyl ether	7005-72-3	-	-	-	-	0.0475	U	0.0455	U	0.0466	U	0.0624	U
4-Nitroaniline	100-01-6	-	-	-	-	0.0948	U	0.0908	U	0.0931	U	0.124	U
4-Nitrophenol	100-02-7	-	-	-	-	0.0948	U	0.0908	U	0.0931	U	0.124	U
Acenaphthene	83-32-9	20	100	500	1000	0.0475	U	0.0455	U	0.104	D	0.0624	U
Acenaphthylene	208-96-8	100	100	500	1000	0.0475	U	0.0455	U	0.0466	U	0.0624	U
Acetophenone	98-86-2	-	-	-	-	0.0475	U	0.0455	U	0.0466	U	0.0624	U
Aniline	62-53-3	-	100	500	1000	0.182	D	0.182	D	0.186	D	0.249	U
Anthracene	120-12-7	100	100	500	1000	0.0833	JD	0.0455	U	0.235	D	0.104	JD
Atrazine	1912-24-9	-	-	-	-	0.0475	U	0.0455	U	0.0466	U	0.0624	U
Benzaldehyde	100-52-7	-	-	-	-	0.0475	U	0.0455	U	0.0466	U	0.0624	U
Benzidine	92-87-5	-	-	-	-	0.190	U	0.182	U	0.186	U	0.249	U
Benzo(a)anthracene	56-55-3	1	1	5.6	11	0.202	D	0.0574	JD	0.894	D	0.252	D
Benzo(a)pyrene	50-32-8	1	1	1	1.1	0.112	D	0.0588	JD	0.827	D	0.285	D
Benzo(b)fluoranthene	205-99-2	-	1	5.6	11	0.126	D	0.0494	JD	0.992	D	0.286	D
Benzo(g,h,i)perylene	191-24-2	100	100	500	1000	0.0485	JD	0.0472	JD	0.623	D	0.237	D
Benzo(k)fluoranthene	207-08-9	0.8	3.9	56	110	0.0811	JD	0.0455	U	0.720	D	0.231	D
Benzoic acid	65-85-0	-	-	-	-	37	D	0.0455	U	0.0466	U	0.0624	U
Benzyl alcohol	100-51-6	-	-	-	-	0.0475	U	0.0455	U	0.0466	U	0.0624	U
Benzyl butyl phthalate	85-68-7	-	-	-	-	0.0475	U	0.269	D	7.030	D	0.0624	U
Bis(2-chloroethoxy)methane	111-91-1	-	-	-	-	0.0475	U	0.0455	U	0.0466	U	0.0624	U
Bis(2-chloroethyl)ether	111-44-4	-	-	-	-	0.0475	U	0.0455	U	0.0466	U	0.0624	U
Bis(2-chloroisopropyl)ether	108-60-1	-	-	-	-	0.0475	U	0.0455	U	0.0466	U	0.0624	U
Bis(2-ethylhexyl)phthalate	117-81-7	-	-	-	-	5.050	D	0.831	D	13.100	D	3.610	D
Caprolactam	105-60-2	-	-	-	-	0.0948	U	0.0908	U	0.0931	U	0.124	U
Carbazole	86-74-8	-	-	-	-	0.0475	U	0.0455	U	0.472	D	0.129	D
Chrysene	218-01-9	1	3.9	56	110	0.208	D	0.0726	JD	1.000	D	0.292	D
Dibenz(a,h)anthracene	53-70-3	0.33	0.33	0.56	1.1	0.0475	U	0.0455	U	0.150	D	0.0624	U
Dibenzofuran	132-64-9	7	59	350	1000	0.0475	U	0.0455	U	0.0848	JD	0.0624	U
Diethyl phthalate	84-66-2	-	-	-	-	0.153	D	0.0455	U	0.554	D	0.0624	U
Dimethyl phthalate	131-11-3	-	-	-	-	0.0475	U	0.136	D	0.0466	U	0.0624	U
Di-n-butyl phthalate	84-74-2	-	-	-	-	0.301	D	0.0784	JD	1.570	D	0.224	D
Di-n-octyl phthalate	117-84-0	-	-	-	-	0.0475	U	0.0455	U	0.0466	U	0.0624	U
Fluoranthene	206-44-0	100	100	500	1000	0.526	D	0.0973	D	1.680	D	0.492	D
Fluorene	86-73-7	30	100	500	1000	0.0475	U	0.0455	U	0.118	D	0.0624	U
Hexachlorobenzene	118-74-1	0.33	1.2	6	12	0.0475	U	0.0455	U	0.0466	U	0.0624	U
Hexachlorobutadiene	87-68-3	-	-	-	-	0.0475	U	0.0455	U	0.0466	U	0.0624	U
Hexachlorocyclopentadiene	77-47-4	-	-	-	-	0.0475	U	0.0455	U	0.0466	U	0.0624	U
Hexachloroethane	67-72-1	-	-	-	-	0.0475	U	0.0455	U	0.0466	U	0.0624	U
Indeno(1,2,3-cd)pyrene	193-39-5	0.5	0.5	5.6	11	0.0475	U	0.0487	JD	0.679	D	0.245	D
Isothorone	78-59-1	-	-	-	-	0.0475	U	0.0455	U	0.0466	U	0.0624	U
Naphthalene	91-20-3	12	100	500	1000	6.240	D	0.123	D	0.742	D	0.241	D
Nitrobenzene	98-95-3	-	15	69	140	0.0475	U	0.0455	U	0.0466	U	0.0624	U
N-Nitrosodimethylamine	62-75-9	-	-	-	-	0.111	D	0.0455	U	0.0466	U	0.0624	U
N-nitroso-di-n-propylamine	621-64-7	-	-	-	-	0.0475	U	0.0455	U	0.0466	U	0.0624	U
N-Nitrosodiphenylamine	86-30-6	-	-	-	-	0.0475	U	0.0455	U	0.0466	U	0.0624	U
Pentachlorophenol	87-86-5	0.8	6.7	6.7	55	0.0475	U	0.0455	U	0.0466	U	0.0624	U
Phenanthrene	85-01-8	100	100	500	1000	1	D	0.117	D	1.830	D	0.453	D
Phenol	108-95-2	0.33	100	500	1000	1.220	D	0.0455	U	1.810	D	0.0624	U
Pyrene	129-00-0	100	100	500	1000	0.568	D	0.153	D	2.040	D	0.787	D

NOTES:

Any Regulatory Exceedences are color coded by Regulation

Q is the Qualifier Column with definitions as follows:

D= result is from an analysis that required a dilution

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

U= analyte not detected at or above the level indicated

B= analyte found in the analysis batch blank

E= result is estimated and cannot be accurately reported due to levels encountered or interferences

P= this flag is used for pesticide and PCB (Aroclor) target compounds when there is a % difference for detected concentrations that exceed method dictated limits between the two GC columns used for analysis

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

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

TABLE
SOIL ANALYTICAL SUMMARY - METALS
291 RICHARDSON STREET, BROOKLYN, NEW YORK
DECEMBER 2018

Sample ID		NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives - Restricted Residential	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Commercial	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Industrial	SB01 (0-2) 18L1143-01 12/27/2018 9:20:00 AM Soil	SB01 (18-20) 18L1143-02 12/27/2018 9:25:00 AM Soil	SB04 18L1143-03 12/27/2018 10:40:00 AM Soil	UH01 18L1143-04 12/27/2018 11:00:00 AM Soil
York ID	Sampling Date								
Client Matrix									
Compound	CAS Number					Result	Q	Result	Q
Metals, Target Analyte		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg		mg/Kg	
Dilution Factor		1	1	1	1	1		1	
Aluminum	7429-90-5	~	~	~	~	11,000		8,000	6,840
Antimony	7440-36-0	~	~	~	~	2,850	U	2,730	3,730
Arsenic	7440-38-2	13	16	16	16	1,710	U	1,950	5,760
Barium	7440-39-3	350	400	400	10000	19,500		62,700	168
Beryllium	7440-41-7	7.2	72	590	2700	0.0570	U	0.0550	0.0750
Cadmium	7440-43-9	2.5	4.3	9.3	60	0.342	U	0.816	6,530
Calcium	7440-70-2	~	~	~	~	198		6,620	28,200
Chromium	7440-47-3	1/30	110/180	400/1500	800/6800	35,400		17,400	46,700
Cobalt	7440-48-4	~	~	~	~	5,670		6,200	12,100
Copper	7440-50-8	50	270	270	10000	37,900		26,400	113
Iron	7439-89-6	~	~	~	~	28,300		17,800	27,400
Lead	7439-92-1	63	400	1000	3900	60,300		68,800	263
Magnesium	7439-95-4	~	~	~	~	2,000		2,040	3,800
Manganese	7439-96-5	1600	2000	10000	10000	105		370	389
Nickel	7440-02-0	30	310	310	10000	15,600		14,800	37,700
Potassium	7440-09-7	~	~	~	~	551	B	695	719
Selenium	7782-49-2	3.9	180	1500	6800	2,850	U	2,730	3,730
Silver	7440-22-4	2	180	1500	6800	0.570	U	0.546	0.746
Sodium	7440-23-5	~	~	~	~	884		258	227
Thallium	7440-28-0	~	~	~	~	2,850	U	2,730	3,730
Vanadium	7440-62-2	~	~	~	~	44,300		20,200	19,100
Zinc	7440-66-6	109	10000	10000	10000	63,100		117	748
Mercury by 7473		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg		mg/Kg	
Dilution Factor		1	1	1	1	1		1	
Mercury	7439-97-6	0.18	0.81	2.8	5.7	0.355		0.183	1.220
Total Solids		%	%	%	%	%		%	%
Dilution Factor		1	1	1	1	1		1	1
% Solids	solids	~	~	~	~	87.700		91.600	89.200

NOTES:

Any Regulatory Exceedences are color coded by Regulation

Q is the Qualifier Column with definitions as follows:

D=result is from an analysis that required a dilution

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

U=analyte not detected at or above the level indicated

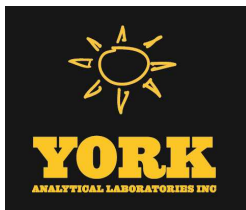
B=analyte found in the analysis batch blank

E=result is estimated and cannot be accurately reported due to levels encountered or interferences

P=this flag is used for pesticide and PCB (Aroclor) target compounds when there is a % difference for detected concentrations that exceed method dictated limits between the two GC columns used for analysis

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

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



Technical Report

prepared for:

Castleton Environmental

54 George Street

Babylon NY, 11702

Attention: Jessica Ferngren

Report Date: 01/07/2019

Client Project ID: CRLL1801

York Project (SDG) No.: 18L1143

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

120 RESEARCH DRIVE
www.YORKLAB.com

STRATFORD, CT 06615
(203) 325-1371

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

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 01/07/2019
Client Project ID: CRLL1801
York Project (SDG) No.: 18L1143

Castleton Environmental
54 George Street
Babylon NY, 11702
Attention: Jessica Ferngren

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 December 27, 2018 and listed below. The project was identified as your project: **CRLL1801**.

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>
18L1143-01	SB01 (0-2)	Soil	12/27/2018	12/27/2018
18L1143-02	SB01 (18-20)	Soil	12/27/2018	12/27/2018
18L1143-03	SB04	Soil	12/27/2018	12/27/2018
18L1143-04	UH01	Soil	12/27/2018	12/27/2018

General Notes for York Project (SDG) No.: 18L1143

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.

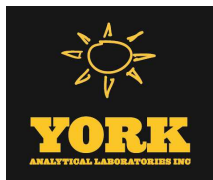
Approved By:



Benjamin Gulizia
Laboratory Director

Date: 01/07/2019





Sample Information

Client Sample ID: SB01 (0-2)

York Sample ID: 18L1143-01

York Project (SDG) No.

18L1143

Client Project ID

CRL1801

Matrix

Soil

Collection Date/Time

December 27, 2018 9:20 am

Date Received

12/27/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 14:57	LLJ
71-55-6	1,1,1-Trichloroethane	130		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 14:57	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 14:57	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	110		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 14:57	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 14:57	LLJ
75-34-3	1,1-Dichloroethane	130		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 14:57	LLJ
75-35-4	1,1-Dichloroethylene	21		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 14:57	LLJ
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	12/31/2018 10:28	12/31/2018 14:57	LLJ
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	12/31/2018 10:28	12/31/2018 14:57	LLJ
120-82-1	1,2,4-Trichlorobenzene	18		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	12/31/2018 10:28	12/31/2018 14:57	LLJ
95-63-6	1,2,4-Trimethylbenzene	2300		ug/kg dry	220	440	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 12:39	01/02/2019 17:11	LLJ
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 14:57	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 14:57	LLJ
95-50-1	1,2-Dichlorobenzene	950		ug/kg dry	220	440	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 12:39	01/02/2019 17:11	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 14:57	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 14:57	LLJ
108-67-8	1,3,5-Trimethylbenzene	860		ug/kg dry	220	440	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 12:39	01/02/2019 17:11	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	220	440	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 12:39	01/02/2019 17:11	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	220	440	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 12:39	01/02/2019 17:11	LLJ
123-91-1	1,4-Dioxane	ND		ug/kg dry	44	88	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	12/31/2018 10:28	12/31/2018 14:57	LLJ
78-93-3	2-Butanone	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 14:57	LLJ



Sample Information

Client Sample ID: SB01 (0-2)

York Sample ID: 18L1143-01

York Project (SDG) No.

18L1143

Client Project ID

CRL1801

Matrix

Soil

Collection Date/Time

December 27, 2018 9:20 am

Date Received

12/27/2018

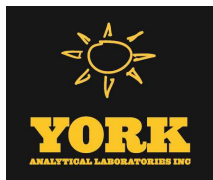
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 14:57	LLJ
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 14:57	LLJ
67-64-1	Acetone	ND		ug/kg dry	440	880	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 12:39	01/02/2019 17:11	LLJ
107-02-8	Acrolein	ND		ug/kg dry	4.4	8.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 14:57	LLJ
107-13-1	Acrylonitrile	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 14:57	LLJ
71-43-2	Benzene	60		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 14:57	LLJ
74-97-5	Bromochloromethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	12/31/2018 10:28	12/31/2018 14:57	LLJ
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 14:57	LLJ
75-25-2	Bromoform	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 14:57	LLJ
74-83-9	Bromomethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 14:57	LLJ
75-15-0	Carbon disulfide	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 14:57	LLJ
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 14:57	LLJ
108-90-7	Chlorobenzene	290	QL-02, J	ug/kg dry	220	440	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 12:39	01/02/2019 17:11	LLJ
75-00-3	Chloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 14:57	LLJ
67-66-3	Chloroform	11		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 14:57	LLJ
74-87-3	Chloromethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 14:57	LLJ
156-59-2	cis-1,2-Dichloroethylene	930		ug/kg dry	220	440	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 12:39	01/02/2019 17:11	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 14:57	LLJ
110-82-7	Cyclohexane	62		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	12/31/2018 10:28	12/31/2018 14:57	LLJ
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	12/31/2018 10:28	12/31/2018 14:57	LLJ
74-95-3	Dibromomethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	12/31/2018 10:28	12/31/2018 14:57	LLJ
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	12/31/2018 10:28	12/31/2018 14:57	LLJ



Sample Information

Client Sample ID: SB01 (0-2)

York Sample ID: 18L1143-01

York Project (SDG) No.

18L1143

Client Project ID

CRL11801

Matrix

Soil

Collection Date/Time

December 27, 2018 9:20 am

Date Received

12/27/2018

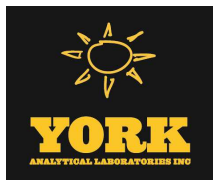
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	440	QL-02, J	ug/kg dry	220	440	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 12:39	01/02/2019 17:11	LLJ
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAE	12/31/2018 10:28	12/31/2018 14:57	LLJ
98-82-8	Isopropylbenzene	ND		ug/kg dry	220	440	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 12:39	01/02/2019 17:11	LLJ
79-20-9	Methyl acetate	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAE	12/31/2018 10:28	12/31/2018 14:57	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 14:57	LLJ
108-87-2	Methylcyclohexane	160		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAE	12/31/2018 10:28	12/31/2018 14:57	LLJ
75-09-2	Methylene chloride	ND		ug/kg dry	440	880	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 12:39	01/02/2019 17:11	LLJ
104-51-8	n-Butylbenzene	ND		ug/kg dry	220	440	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 12:39	01/02/2019 17:11	LLJ
103-65-1	n-Propylbenzene	330	J	ug/kg dry	220	440	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 12:39	01/02/2019 17:11	LLJ
95-47-6	o-Xylene	780		ug/kg dry	220	440	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	12/31/2018 12:39	01/02/2019 17:11	LLJ
179601-23-1	p- & m- Xylenes	2500		ug/kg dry	440	880	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	12/31/2018 12:39	01/02/2019 17:11	LLJ
99-87-6	p-Isopropyltoluene	300	QL-02, J	ug/kg dry	220	440	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 12:39	01/02/2019 17:11	LLJ
135-98-8	sec-Butylbenzene	ND		ug/kg dry	220	440	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 12:39	01/02/2019 17:11	LLJ
100-42-5	Styrene	ND		ug/kg dry	220	440	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 12:39	01/02/2019 17:11	LLJ
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAE	12/31/2018 10:28	12/31/2018 14:57	LLJ
98-06-6	tert-Butylbenzene	73		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 14:57	LLJ
127-18-4	Tetrachloroethylene	94000	QL-02	ug/kg dry	2200	4400	1000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 12:39	01/02/2019 17:37	LLJ
108-88-3	Toluene	980		ug/kg dry	220	440	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 12:39	01/02/2019 17:11	LLJ
156-60-5	trans-1,2-Dichloroethylene	32		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 14:57	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 14:57	LLJ
110-57-6	* trans-1,4-dichloro-2-butene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH	12/31/2018 10:28	12/31/2018 14:57	LLJ
79-01-6	Trichloroethylene	700		ug/kg dry	220	440	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 12:39	01/02/2019 17:11	LLJ



Sample Information

Client Sample ID: SB01 (0-2)

York Sample ID: 18L1143-01

York Project (SDG) No.
18L1143

Client Project ID
CRL11801

Matrix
Soil

Collection Date/Time
December 27, 2018 9:20 am

Date Received
12/27/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 14:57	LLJ
75-01-4	Vinyl Chloride	ND		ug/kg dry	220	440	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 12:39	01/02/2019 17:11	LLJ
1330-20-7	Xylenes, Total	3300		ug/kg dry	660	1300	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 12:39	01/02/2019 17:11	LLJ
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	111 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	106 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	545 %	S-03		76-130						

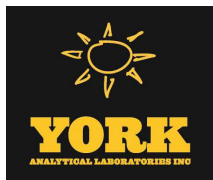
Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	209		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 19:35	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	94.8	189	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 19:35	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 19:35	KH
95-50-1	1,2-Dichlorobenzene	4120		ug/kg dry	119	237	5	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/03/2019 14:09	01/07/2019 10:25	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 19:35	KH
541-73-1	1,3-Dichlorobenzene	140		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/03/2019 14:09	01/04/2019 19:35	KH
106-46-7	1,4-Dichlorobenzene	219		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/03/2019 14:09	01/04/2019 19:35	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	94.8	189	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 19:35	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 19:35	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 19:35	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 19:35	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 19:35	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	94.8	189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 19:35	KH



Sample Information

Client Sample ID: SB01 (0-2)

York Sample ID: 18L1143-01

York Project (SDG) No.

18L1143

Client Project ID

CRL11801

Matrix

Soil

Collection Date/Time

December 27, 2018 9:20 am

Date Received

12/27/2018

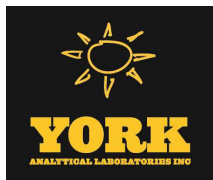
Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 19:35	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 19:35	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 19:35	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 19:35	KH
91-57-6	2-Methylnaphthalene	5160		ug/kg dry	119	237	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/07/2019 10:25	OW
95-48-7	2-Methylphenol	ND		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 19:35	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	94.8	189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 19:35	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 19:35	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 19:35	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 19:35	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	94.8	189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 19:35	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	94.8	189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 19:35	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 19:35	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 19:35	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 19:35	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 19:35	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	94.8	189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 19:35	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	94.8	189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 19:35	KH
83-32-9	Acenaphthene	ND		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 19:35	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 19:35	KH
98-86-2	Acetophenone	ND		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 19:35	KH



Sample Information

Client Sample ID: SB01 (0-2)

York Sample ID: 18L1143-01

York Project (SDG) No.

18L1143

Client Project ID

CRL11801

Matrix

Soil

Collection Date/Time

December 27, 2018 9:20 am

Date Received

12/27/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
62-53-3	Aniline	ND		ug/kg dry	190	380	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 19:35	KH
120-12-7	Anthracene	83.3	J	ug/kg dry	47.5	94.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 19:35	KH
1912-24-9	Atrazine	ND		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 19:35	KH
100-52-7	Benzaldehyde	ND		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 19:35	KH
92-87-5	Benzidine	ND		ug/kg dry	190	380	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	01/03/2019 14:09	01/04/2019 19:35	KH
56-55-3	Benzo(a)anthracene	202		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 19:35	KH
50-32-8	Benzo(a)pyrene	112		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 19:35	KH
205-99-2	Benzo(b)fluoranthene	126		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 19:35	KH
191-24-2	Benzo(g,h,i)perylene	48.5	J	ug/kg dry	47.5	94.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 19:35	KH
207-08-9	Benzo(k)fluoranthene	81.1	J	ug/kg dry	47.5	94.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 19:35	KH
65-85-0	Benzoic acid	37000		ug/kg dry	2370	4740	100	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/07/2019 14:22	SR
100-51-6	Benzyl alcohol	ND		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 19:35	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 19:35	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 19:35	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 19:35	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 19:35	KH
117-81-7	Bis(2-ethylhexyl)phthalate	5050		ug/kg dry	119	237	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/07/2019 10:25	OW
105-60-2	Caprolactam	ND		ug/kg dry	94.8	189	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 19:35	KH
86-74-8	Carbazole	ND		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 19:35	KH
218-01-9	Chrysene	208		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 19:35	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 19:35	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 19:35	KH



Sample Information

Client Sample ID: SB01 (0-2)

York Sample ID: 18L1143-01

York Project (SDG) No.

18L1143

Client Project ID

CRL11801

Matrix

Soil

Collection Date/Time

December 27, 2018 9:20 am

Date Received

12/27/2018

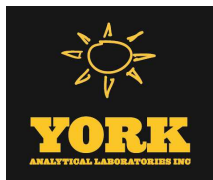
Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
84-66-2	Diethyl phthalate	153		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 19:35	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 19:35	KH
84-74-2	Di-n-butyl phthalate	301		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 19:35	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 19:35	KH
206-44-0	Fluoranthene	526		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 19:35	KH
86-73-7	Fluorene	ND		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 19:35	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 19:35	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 19:35	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 19:35	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 19:35	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 19:35	KH
78-59-1	Isophorone	ND		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 19:35	KH
91-20-3	Naphthalene	6240		ug/kg dry	119	237	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/07/2019 10:25	OW
98-95-3	Nitrobenzene	ND		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 19:35	KH
62-75-9	N-Nitrosodimethylamine	111		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 19:35	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 19:35	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 19:35	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 19:35	KH
85-01-8	Phenanthrene	1000		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 19:35	KH
108-95-2	Phenol	1220		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 19:35	KH
129-00-0	Pyrene	569		ug/kg dry	47.5	94.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 19:35	KH
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	62.2 %	20-108								



Sample Information

Client Sample ID: SB01 (0-2)

York Sample ID: 18L1143-01

York Project (SDG) No.

18L1143

Client Project ID

CRL11801

Matrix

Soil

Collection Date/Time

December 27, 2018 9:20 am

Date Received

12/27/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
4165-62-2	Surrogate: SURR: Phenol-d5	63.1 %			23-114						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	113 %	S-08		22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	55.6 %			21-113						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	77.2 %			19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	74.0 %			24-116						

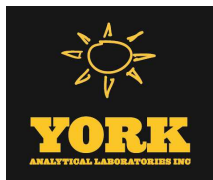
Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	11000		mg/kg dry	5.70	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2018 10:43	12/31/2018 12:49	KML
7440-36-0	Antimony	ND		mg/kg dry	2.85	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2018 10:43	12/31/2018 12:49	KML
7440-38-2	Arsenic	ND		mg/kg dry	1.71	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2018 10:43	12/31/2018 12:49	KML
7440-39-3	Barium	19.5		mg/kg dry	2.85	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2018 10:43	12/31/2018 12:49	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.057	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2018 10:43	12/31/2018 12:49	KML
7440-43-9	Cadmium	ND		mg/kg dry	0.342	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2018 10:43	12/31/2018 12:49	KML
7440-70-2	Calcium	198		mg/kg dry	5.70	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2018 10:43	12/31/2018 12:49	KML
7440-47-3	Chromium	35.4		mg/kg dry	0.570	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2018 10:43	12/31/2018 12:49	KML
7440-48-4	Cobalt	5.67		mg/kg dry	0.456	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2018 10:43	12/31/2018 12:49	KML
7440-50-8	Copper	37.9		mg/kg dry	2.28	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2018 10:43	12/31/2018 12:49	KML
7439-89-6	Iron	28300		mg/kg dry	28.5	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2018 10:43	12/31/2018 12:49	KML
7439-92-1	Lead	60.3		mg/kg dry	0.570	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2018 10:43	12/31/2018 12:49	KML
7439-95-4	Magnesium	2000		mg/kg dry	5.70	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2018 10:43	12/31/2018 12:49	KML
7439-96-5	Manganese	105		mg/kg dry	0.570	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2018 10:43	12/31/2018 12:49	KML
7440-02-0	Nickel	15.6		mg/kg dry	1.14	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2018 10:43	12/31/2018 12:49	KML
7440-09-7	Potassium	551	B	mg/kg dry	5.70	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2018 10:43	12/31/2018 12:49	KML



Sample Information

Client Sample ID: SB01 (0-2)

York Sample ID: 18L1143-01

York Project (SDG) No.
18L1143

Client Project ID
CRL1801

Matrix
Soil

Collection Date/Time
December 27, 2018 9:20 am

Date Received
12/27/2018

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7782-49-2	Selenium	ND		mg/kg dry	2.85	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2018 10:43	12/31/2018 12:49	KML
7440-22-4	Silver	ND		mg/kg dry	0.570	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2018 10:43	12/31/2018 12:49	KML
7440-23-5	Sodium	884		mg/kg dry	57.0	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2018 10:43	12/31/2018 12:49	KML
7440-28-0	Thallium	ND		mg/kg dry	2.85	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2018 10:43	12/31/2018 12:49	KML
7440-62-2	Vanadium	44.3		mg/kg dry	1.14	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2018 10:43	12/31/2018 12:49	KML
7440-66-6	Zinc	63.1		mg/kg dry	2.85	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2018 10:43	12/31/2018 12:49	KML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.355		mg/kg dry	0.0342	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	12/28/2018 09:59	12/28/2018 12:07	SY

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	87.7		%	0.100	1	SM 2540G Certifications: CTDOH	01/03/2019 12:36	01/03/2019 17:27	MAC

Sample Information

Client Sample ID: SB01 (18-20)

York Sample ID: 18L1143-02

York Project (SDG) No.
18L1143

Client Project ID
CRL1801

Matrix
Soil

Collection Date/Time
December 27, 2018 9:25 am

Date Received
12/27/2018

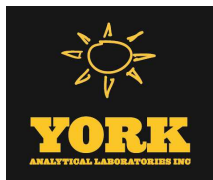
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 15:24	LLJ



Sample Information

Client Sample ID: SB01 (18-20)

York Sample ID: 18L1143-02

York Project (SDG) No.

18L1143

Client Project ID

CRL11801

Matrix

Soil

Collection Date/Time

December 27, 2018 9:25 am

Date Received

12/27/2018

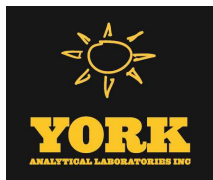
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	4.3	J	ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 15:24	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 15:24	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	6.9		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 15:24	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 15:24	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 15:24	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 15:24	LLJ
87-61-6	1,2,3-Trichlorobenzene	5.1		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	12/31/2018 10:28	12/31/2018 15:24	LLJ
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	12/31/2018 10:28	12/31/2018 15:24	LLJ
120-82-1	1,2,4-Trichlorobenzene	32		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	12/31/2018 10:28	12/31/2018 15:24	LLJ
95-63-6	1,2,4-Trimethylbenzene	1200		ug/kg dry	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 12:39	01/02/2019 18:30	LLJ
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 15:24	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 15:24	LLJ
95-50-1	1,2-Dichlorobenzene	63		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 15:24	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 15:24	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 15:24	LLJ
108-67-8	1,3,5-Trimethylbenzene	120		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 15:24	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 15:24	LLJ
106-46-7	1,4-Dichlorobenzene	3.5	J	ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 15:24	LLJ
123-91-1	1,4-Dioxane	ND		ug/kg dry	50	100	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	12/31/2018 10:28	12/31/2018 15:24	LLJ
78-93-3	2-Butanone	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 15:24	LLJ
591-78-6	2-Hexanone	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 15:24	LLJ
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 15:24	LLJ



Sample Information

Client Sample ID: SB01 (18-20)

York Sample ID: 18L1143-02

York Project (SDG) No.

18L1143

Client Project ID

CRL11801

Matrix

Soil

Collection Date/Time

December 27, 2018 9:25 am

Date Received

12/27/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	100		ug/kg dry	5.0	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 15:24	LLJ
107-02-8	Acrolein	ND		ug/kg dry	5.0	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 15:24	LLJ
107-13-1	Acrylonitrile	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 15:24	LLJ
71-43-2	Benzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 15:24	LLJ
74-97-5	Bromochloromethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	12/31/2018 10:28	12/31/2018 15:24	LLJ
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 15:24	LLJ
75-25-2	Bromoform	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 15:24	LLJ
74-83-9	Bromomethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 15:24	LLJ
75-15-0	Carbon disulfide	2.9	J	ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 15:24	LLJ
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 15:24	LLJ
108-90-7	Chlorobenzene	45		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 15:24	LLJ
75-00-3	Chloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 15:24	LLJ
67-66-3	Chloroform	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 15:24	LLJ
74-87-3	Chloromethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 15:24	LLJ
156-59-2	cis-1,2-Dichloroethylene	94		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 15:24	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 15:24	LLJ
110-82-7	Cyclohexane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	12/31/2018 10:28	12/31/2018 15:24	LLJ
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	12/31/2018 10:28	12/31/2018 15:24	LLJ
74-95-3	Dibromomethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	12/31/2018 10:28	12/31/2018 15:24	LLJ
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	12/31/2018 10:28	12/31/2018 15:24	LLJ
100-41-4	Ethyl Benzene	58		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 15:24	LLJ
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	12/31/2018 10:28	12/31/2018 15:24	LLJ



Sample Information

Client Sample ID: SB01 (18-20)

York Sample ID: 18L1143-02

York Project (SDG) No.

18L1143

Client Project ID

CRL11801

Matrix

Soil

Collection Date/Time

December 27, 2018 9:25 am

Date Received

12/27/2018

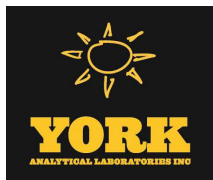
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-82-8	Isopropylbenzene	19		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 15:24	LLJ
79-20-9	Methyl acetate	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	12/31/2018 10:28	12/31/2018 15:24	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 15:24	LLJ
108-87-2	Methylcyclohexane	2.7	J	ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	12/31/2018 10:28	12/31/2018 15:24	LLJ
75-09-2	Methylene chloride	ND		ug/kg dry	5.0	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 15:24	LLJ
104-51-8	n-Butylbenzene	9.2		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 15:24	LLJ
103-65-1	n-Propylbenzene	39		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 15:24	LLJ
95-47-6	o-Xylene	120		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	12/31/2018 10:28	12/31/2018 15:24	LLJ
179601-23-1	p- & m- Xylenes	290		ug/kg dry	5.0	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	12/31/2018 10:28	12/31/2018 15:24	LLJ
99-87-6	p-Isopropyltoluene	71		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 15:24	LLJ
135-98-8	sec-Butylbenzene	9.1		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 15:24	LLJ
100-42-5	Styrene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 15:24	LLJ
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	12/31/2018 10:28	12/31/2018 15:24	LLJ
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 15:24	LLJ
127-18-4	Tetrachloroethylene	5600	QL-02	ug/kg dry	250	500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 12:39	01/02/2019 18:30	LLJ
108-88-3	Toluene	140		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 15:24	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 15:24	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 15:24	LLJ
110-57-6	* trans-1,4-dichloro-2-butene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH	12/31/2018 10:28	12/31/2018 15:24	LLJ
79-01-6	Trichloroethylene	67		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 15:24	LLJ
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 15:24	LLJ
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.5	5.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 15:24	LLJ



Sample Information

Client Sample ID: SB01 (18-20)

York Sample ID: 18L1143-02

York Project (SDG) No.

18L1143

Client Project ID

CRL11801

Matrix

Soil

Collection Date/Time

December 27, 2018 9:25 am

Date Received

12/27/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1330-20-7	Xylenes, Total	410		ug/kg dry	7.5	15	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 15:24	LLJ
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	99.0 %			77-125						
2037-26-5	Surrogate: SURRE: Toluene-d8	73.6 %	S-03		85-120						
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	90.2 %			76-130						

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:05	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	90.8	181	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:05	KH
120-82-1	1,2,4-Trichlorobenzene	79.9	J	ug/kg dry	45.5	90.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:05	KH
95-50-1	1,2-Dichlorobenzene	55.2	J	ug/kg dry	45.5	90.8	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/03/2019 14:09	01/04/2019 20:05	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:05	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/03/2019 14:09	01/04/2019 20:05	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/03/2019 14:09	01/04/2019 20:05	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	90.8	181	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:05	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:05	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:05	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:05	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:05	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	90.8	181	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:05	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:05	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:05	KH



Sample Information

Client Sample ID: SB01 (18-20)

York Sample ID: 18L1143-02

York Project (SDG) No.
18L1143

Client Project ID
CRL11801

Matrix
Soil

Collection Date/Time
December 27, 2018 9:25 am

Date Received
12/27/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:05	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:05	KH
91-57-6	2-Methylnaphthalene	117		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:05	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:05	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	90.8	181	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:05	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:05	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:05	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:05	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	90.8	181	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:05	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	90.8	181	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:05	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:05	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:05	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:05	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:05	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	90.8	181	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:05	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	90.8	181	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:05	KH
83-32-9	Acenaphthene	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:05	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:05	KH
98-86-2	Acetophenone	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:05	KH
62-53-3	Aniline	ND		ug/kg dry	182	364	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:05	KH
120-12-7	Anthracene	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:05	KH



Sample Information

Client Sample ID: SB01 (18-20)

York Sample ID: 18L1143-02

York Project (SDG) No.

18L1143

Client Project ID

CRL11801

Matrix

Soil

Collection Date/Time

December 27, 2018 9:25 am

Date Received

12/27/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1912-24-9	Atrazine	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:05	KH
100-52-7	Benzaldehyde	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:05	KH
92-87-5	Benzidine	ND		ug/kg dry	182	364	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	01/03/2019 14:09	01/04/2019 20:05	KH
56-55-3	Benzo(a)anthracene	57.4	J	ug/kg dry	45.5	90.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:05	KH
50-32-8	Benzo(a)pyrene	58.8	J	ug/kg dry	45.5	90.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:05	KH
205-99-2	Benzo(b)fluoranthene	49.4	J	ug/kg dry	45.5	90.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:05	KH
191-24-2	Benzo(g,h,i)perylene	47.2	J	ug/kg dry	45.5	90.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:05	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:05	KH
65-85-0	Benzoic acid	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:05	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:05	KH
85-68-7	Benzyl butyl phthalate	269		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:05	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:05	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:05	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:05	KH
117-81-7	Bis(2-ethylhexyl)phthalate	831	CCV-E	ug/kg dry	45.5	90.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:05	KH
105-60-2	Caprolactam	ND		ug/kg dry	90.8	181	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:05	KH
86-74-8	Carbazole	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:05	KH
218-01-9	Chrysene	72.6	J	ug/kg dry	45.5	90.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:05	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:05	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:05	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:05	KH
131-11-3	Dimethyl phthalate	136		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:05	KH



Sample Information

Client Sample ID: SB01 (18-20)

York Sample ID: 18L1143-02

York Project (SDG) No.
18L1143

Client Project ID
CRL11801

Matrix
Soil

Collection Date/Time
December 27, 2018 9:25 am

Date Received
12/27/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
84-74-2	Di-n-butyl phthalate	78.4	J	ug/kg dry	45.5	90.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:05	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:05	KH
206-44-0	Fluoranthene	97.3		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:05	KH
86-73-7	Fluorene	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:05	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:05	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:05	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:05	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:05	KH
193-39-5	Indeno(1,2,3-cd)pyrene	48.7	J	ug/kg dry	45.5	90.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:05	KH
78-59-1	Isophorone	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:05	KH
91-20-3	Naphthalene	123		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:05	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:05	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:05	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:05	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:05	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:05	KH
85-01-8	Phenanthrene	117		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:05	KH
108-95-2	Phenol	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:05	KH
129-00-0	Pyrene	153		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:05	KH
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	65.4 %	20-108								
4165-62-2	Surrogate: SURR: Phenol-d5	60.3 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	57.7 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	52.0 %	21-113								



Sample Information

Client Sample ID: SB01 (18-20)

York Sample ID: 18L1143-02

York Project (SDG) No.
18L1143

Client Project ID
CRL11801

Matrix
Soil

Collection Date/Time
December 27, 2018 9:25 am

Date Received
12/27/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	68.8 %			19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	68.6 %			24-116						

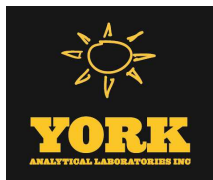
Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	5720		mg/kg dry	5.46	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2018 10:43	12/31/2018 12:56	KML
7440-36-0	Antimony	ND		mg/kg dry	2.73	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2018 10:43	12/31/2018 12:56	KML
7440-38-2	Arsenic	1.95		mg/kg dry	1.64	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2018 10:43	12/31/2018 12:56	KML
7440-39-3	Barium	62.7		mg/kg dry	2.73	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2018 10:43	12/31/2018 12:56	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.055	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2018 10:43	12/31/2018 12:56	KML
7440-43-9	Cadmium	0.816		mg/kg dry	0.328	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2018 10:43	12/31/2018 12:56	KML
7440-70-2	Calcium	6620		mg/kg dry	5.46	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2018 10:43	12/31/2018 12:56	KML
7440-47-3	Chromium	17.4		mg/kg dry	0.546	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2018 10:43	12/31/2018 12:56	KML
7440-48-4	Cobalt	6.20		mg/kg dry	0.437	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2018 10:43	12/31/2018 12:56	KML
7440-50-8	Copper	26.4		mg/kg dry	2.18	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2018 10:43	12/31/2018 12:56	KML
7439-89-6	Iron	17800		mg/kg dry	27.3	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2018 10:43	12/31/2018 12:56	KML
7439-92-1	Lead	68.8		mg/kg dry	0.546	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2018 10:43	12/31/2018 12:56	KML
7439-95-4	Magnesium	2040		mg/kg dry	5.46	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2018 10:43	12/31/2018 12:56	KML
7439-96-5	Manganese	370		mg/kg dry	0.546	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2018 10:43	12/31/2018 12:56	KML
7440-02-0	Nickel	14.8		mg/kg dry	1.09	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2018 10:43	12/31/2018 12:56	KML
7440-09-7	Potassium	695	B	mg/kg dry	5.46	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2018 10:43	12/31/2018 12:56	KML
7782-49-2	Selenium	ND		mg/kg dry	2.73	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2018 10:43	12/31/2018 12:56	KML
7440-22-4	Silver	ND		mg/kg dry	0.546	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2018 10:43	12/31/2018 12:56	KML



Sample Information

Client Sample ID: SB01 (18-20)

York Sample ID: 18L1143-02

York Project (SDG) No.

18L1143

Client Project ID

CRL1801

Matrix

Soil

Collection Date/Time

December 27, 2018 9:25 am

Date Received

12/27/2018

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	Sodium	258		mg/kg dry	54.6	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2018 10:43	12/31/2018 12:56	KML
7440-28-0	Thallium	ND		mg/kg dry	2.73	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2018 10:43	12/31/2018 12:56	KML
7440-62-2	Vanadium	20.2		mg/kg dry	1.09	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2018 10:43	12/31/2018 12:56	KML
7440-66-6	Zinc	117		mg/kg dry	2.73	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2018 10:43	12/31/2018 12:56	KML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.183		mg/kg dry	0.0328	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	12/28/2018 09:59	12/28/2018 12:15	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	91.6		%	0.100	1	SM 2540G Certifications: CTDOH	01/03/2019 12:36	01/03/2019 17:27	MAC

Sample Information

Client Sample ID: SB04

York Sample ID: 18L1143-03

York Project (SDG) No.

18L1143

Client Project ID

CRL1801

Matrix

Soil

Collection Date/Time

December 27, 2018 10:40 am

Date Received

12/27/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND	IS-LO	ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 15:51	LLJ
71-55-6	1,1,1-Trichloroethane	24		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 15:51	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND	IS-LO	ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 15:51	LLJ



Sample Information

Client Sample ID: SB04

York Sample ID: 18L1143-03

York Project (SDG) No.

18L1143

Client Project ID

CRL11801

Matrix

Soil

Collection Date/Time

December 27, 2018 10:40 am

Date Received

12/27/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	13		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 15:51	LLJ
79-00-5	1,1,2-Trichloroethane	ND	IS-LO	ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 15:51	LLJ
75-34-3	1,1-Dichloroethane	22		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 15:51	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 15:51	LLJ
87-61-6	1,2,3-Trichlorobenzene	31	IS-LO	ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAE	12/31/2018 10:28	12/31/2018 15:51	LLJ
96-18-4	1,2,3-Trichloropropane	ND	IS-LO	ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	12/31/2018 10:28	12/31/2018 15:51	LLJ
120-82-1	1,2,4-Trichlorobenzene	180	IS-LO	ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAE	12/31/2018 10:28	12/31/2018 15:51	LLJ
95-63-6	1,2,4-Trimethylbenzene	8600		ug/kg dry	260	510	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 12:39	01/02/2019 19:23	LLJ
96-12-8	1,2-Dibromo-3-chloropropane	ND	IS-LO	ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 15:51	LLJ
106-93-4	1,2-Dibromoethane	ND	IS-LO	ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 15:51	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	260	510	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 12:39	01/02/2019 19:23	LLJ
107-06-2	1,2-Dichloroethane	4.8	J	ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 15:51	LLJ
78-87-5	1,2-Dichloropropane	ND	IS-LO	ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 15:51	LLJ
108-67-8	1,3,5-Trimethylbenzene	4500		ug/kg dry	260	510	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 12:39	01/02/2019 19:23	LLJ
541-73-1	1,3-Dichlorobenzene	ND	IS-LO	ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 15:51	LLJ
106-46-7	1,4-Dichlorobenzene	ND	IS-LO	ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 15:51	LLJ
123-91-1	1,4-Dioxane	ND	IS-LO	ug/kg dry	51	100	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAE	12/31/2018 10:28	12/31/2018 15:51	LLJ
78-93-3	2-Butanone	110	QL-02	ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 15:51	LLJ
591-78-6	2-Hexanone	70	IS-LO	ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 15:51	LLJ
108-10-1	4-Methyl-2-pentanone	ND	IS-LO	ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 15:51	LLJ
67-64-1	Acetone	590	J	ug/kg dry	510	1000	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 12:39	01/02/2019 19:23	LLJ
107-02-8	Acrolein	ND		ug/kg dry	5.1	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 15:51	LLJ



Sample Information

Client Sample ID: SB04

York Sample ID: 18L1143-03

York Project (SDG) No.
18L1143

Client Project ID
CRL1801

Matrix
Soil

Collection Date/Time
December 27, 2018 10:40 am

Date Received
12/27/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-13-1	Acrylonitrile	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 15:51	LLJ
71-43-2	Benzene	12		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 15:51	LLJ
74-97-5	Bromochloromethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAE	12/31/2018 10:28	12/31/2018 15:51	LLJ
75-27-4	Bromodichloromethane	ND	IS-LO	ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 15:51	LLJ
75-25-2	Bromoform	ND	IS-LO	ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 15:51	LLJ
74-83-9	Bromomethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 15:51	LLJ
75-15-0	Carbon disulfide	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 15:51	LLJ
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 15:51	LLJ
108-90-7	Chlorobenzene	800	QL-02	ug/kg dry	260	510	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 12:39	01/02/2019 19:23	LLJ
75-00-3	Chloroethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 15:51	LLJ
67-66-3	Chloroform	4.6	J	ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 15:51	LLJ
74-87-3	Chloromethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 15:51	LLJ
156-59-2	cis-1,2-Dichloroethylene	2700		ug/kg dry	260	510	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 12:39	01/02/2019 19:23	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND	IS-LO	ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 15:51	LLJ
110-82-7	Cyclohexane	6.8		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAE	12/31/2018 10:28	12/31/2018 15:51	LLJ
124-48-1	Dibromochloromethane	ND	IS-LO	ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAE	12/31/2018 10:28	12/31/2018 15:51	LLJ
74-95-3	Dibromomethane	ND	IS-LO	ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAE	12/31/2018 10:28	12/31/2018 15:51	LLJ
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAE	12/31/2018 10:28	12/31/2018 15:51	LLJ
100-41-4	Ethyl Benzene	1400	QL-02	ug/kg dry	260	510	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 12:39	01/02/2019 19:23	LLJ
87-68-3	Hexachlorobutadiene	ND	IS-LO	ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAE	12/31/2018 10:28	12/31/2018 15:51	LLJ
98-82-8	Isopropylbenzene	670		ug/kg dry	260	510	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 12:39	01/02/2019 19:23	LLJ
79-20-9	Methyl acetate	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAE	12/31/2018 10:28	12/31/2018 15:51	LLJ



Sample Information

Client Sample ID: SB04

York Sample ID: 18L1143-03

York Project (SDG) No.

18L1143

Client Project ID

CRL11801

Matrix

Soil

Collection Date/Time

December 27, 2018 10:40 am

Date Received

12/27/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 15:51	LLJ
108-87-2	Methylcyclohexane	69	IS-LO	ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	12/31/2018 10:28	12/31/2018 15:51	LLJ
75-09-2	Methylene chloride	59		ug/kg dry	5.1	10	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 15:51	LLJ
104-51-8	n-Butylbenzene	ND		ug/kg dry	260	510	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 12:39	01/02/2019 19:23	LLJ
103-65-1	n-Propylbenzene	1400		ug/kg dry	260	510	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 12:39	01/02/2019 19:23	LLJ
95-47-6	o-Xylene	4100		ug/kg dry	260	510	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	12/31/2018 12:39	01/02/2019 19:23	LLJ
179601-23-1	p- & m- Xylenes	6200		ug/kg dry	510	1000	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	12/31/2018 12:39	01/02/2019 19:23	LLJ
99-87-6	p-Isopropyltoluene	2800	QL-02	ug/kg dry	260	510	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 12:39	01/02/2019 19:23	LLJ
135-98-8	sec-Butylbenzene	550		ug/kg dry	260	510	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 12:39	01/02/2019 19:23	LLJ
100-42-5	Styrene	ND	IS-LO	ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 15:51	LLJ
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	12/31/2018 10:28	12/31/2018 15:51	LLJ
98-06-6	tert-Butylbenzene	67	IS-LO	ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 15:51	LLJ
127-18-4	Tetrachloroethylene	ND		ug/kg dry	510	1000	200	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 12:39	01/02/2019 19:49	LLJ
108-88-3	Toluene	2100		ug/kg dry	260	510	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 12:39	01/02/2019 19:23	LLJ
156-60-5	trans-1,2-Dichloroethylene	10		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 15:51	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND	IS-LO	ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 15:51	LLJ
110-57-6	* trans-1,4-dichloro-2-butene	ND	IS-LO	ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH	12/31/2018 10:28	12/31/2018 15:51	LLJ
79-01-6	Trichloroethylene	2100		ug/kg dry	260	510	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 12:39	01/02/2019 19:23	LLJ
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 15:51	LLJ
75-01-4	Vinyl Chloride	3.2	J	ug/kg dry	2.6	5.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 15:51	LLJ
1330-20-7	Xylenes, Total	10000		ug/kg dry	770	1500	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 12:39	01/02/2019 19:23	LLJ
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	127 %	S-03	77-125							



Sample Information

Client Sample ID: SB04

York Sample ID: 18L1143-03

York Project (SDG) No.

18L1143

Client Project ID

CRL11801

Matrix

Soil

Collection Date/Time

December 27, 2018 10:40 am

Date Received

12/27/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2037-26-5	Surrogate: SURRE: Toluene-d8	114 %	IS-LO		85-120						
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	269 %	S-03, IS-LO		76-130						

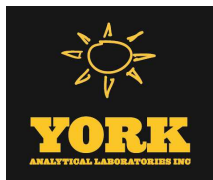
Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	141		ug/kg dry	46.6	93.1	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:35	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	93.1	186	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:35	KH
120-82-1	1,2,4-Trichlorobenzene	533		ug/kg dry	46.6	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:35	KH
95-50-1	1,2-Dichlorobenzene	295		ug/kg dry	46.6	93.1	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/03/2019 14:09	01/04/2019 20:35	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	46.6	93.1	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:35	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	46.6	93.1	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/03/2019 14:09	01/04/2019 20:35	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	46.6	93.1	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/03/2019 14:09	01/04/2019 20:35	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	93.1	186	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:35	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	46.6	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:35	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	46.6	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:35	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	46.6	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:35	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	46.6	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:35	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	93.1	186	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:35	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	46.6	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:35	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	46.6	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:35	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	46.6	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:35	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	46.6	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:35	KH



Sample Information

Client Sample ID: SB04

York Sample ID: 18L1143-03

York Project (SDG) No.
18L1143

Client Project ID
CRL11801

Matrix
Soil

Collection Date/Time
December 27, 2018 10:40 am

Date Received
12/27/2018

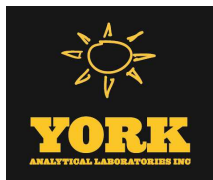
Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-57-6	2-Methylnaphthalene	921		ug/kg dry	46.6	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:35	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	46.6	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:35	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	93.1	186	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:35	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	46.6	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:35	KH
65794-96-9	3- & 4-Methylphenols	515		ug/kg dry	46.6	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:35	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/kg dry	46.6	93.1	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:35	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	93.1	186	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:35	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	93.1	186	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:35	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	46.6	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:35	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	46.6	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:35	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	46.6	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:35	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	46.6	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:35	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	93.1	186	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:35	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	93.1	186	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:35	KH
83-32-9	Acenaphthene	104		ug/kg dry	46.6	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:35	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	46.6	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:35	KH
98-86-2	Acetophenone	ND		ug/kg dry	46.6	93.1	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:35	KH
62-53-3	Aniline	ND		ug/kg dry	186	373	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:35	KH
120-12-7	Anthracene	235		ug/kg dry	46.6	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:35	KH
1912-24-9	Atrazine	ND		ug/kg dry	46.6	93.1	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:35	KH
100-52-7	Benzaldehyde	ND		ug/kg dry	46.6	93.1	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:35	KH
92-87-5	Benzidine	ND		ug/kg dry	186	373	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	01/03/2019 14:09	01/04/2019 20:35	KH



Sample Information

Client Sample ID: SB04

York Sample ID: 18L1143-03

York Project (SDG) No.

18L1143

Client Project ID

CRL11801

Matrix

Soil

Collection Date/Time

December 27, 2018 10:40 am

Date Received

12/27/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-55-3	Benzo(a)anthracene	894		ug/kg dry	46.6	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:35	KH
50-32-8	Benzo(a)pyrene	827		ug/kg dry	46.6	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:35	KH
205-99-2	Benzo(b)fluoranthene	992		ug/kg dry	46.6	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:35	KH
191-24-2	Benzo(g,h,i)perylene	623		ug/kg dry	46.6	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:35	KH
207-08-9	Benzo(k)fluoranthene	720		ug/kg dry	46.6	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:35	KH
65-85-0	Benzoic acid	ND		ug/kg dry	46.6	93.1	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:35	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	46.6	93.1	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:35	KH
85-68-7	Benzy l butyl phthalate	7030		ug/kg dry	466	931	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/07/2019 10:56	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	46.6	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:35	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	46.6	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:35	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	46.6	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:35	KH
117-81-7	Bis(2-ethylhexyl)phthalate	13100		ug/kg dry	466	931	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/07/2019 10:56	OW
105-60-2	Caprolactam	ND		ug/kg dry	93.1	186	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:35	KH
86-74-8	Carbazole	472		ug/kg dry	46.6	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:35	KH
218-01-9	Chrysene	1010		ug/kg dry	46.6	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:35	KH
53-70-3	Dibenzo(a,h)anthracene	150		ug/kg dry	46.6	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:35	KH
132-64-9	Dibenzofuran	84.8	J	ug/kg dry	46.6	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:35	KH
84-66-2	Diethyl phthalate	554		ug/kg dry	46.6	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:35	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	46.6	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:35	KH
84-74-2	Di-n-butyl phthalate	1570		ug/kg dry	46.6	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:35	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	46.6	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:35	KH
206-44-0	Fluoranthene	1680		ug/kg dry	46.6	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:35	KH
86-73-7	Fluorene	118		ug/kg dry	46.6	93.1	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:35	KH



Sample Information

Client Sample ID: SB04

York Sample ID: 18L1143-03

York Project (SDG) No.

18L1143

Client Project ID

CRL11801

Matrix

Soil

Collection Date/Time

December 27, 2018 10:40 am

Date Received

12/27/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
118-74-1	Hexachlorobenzene	ND		ug/kg dry	46.6	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:35	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	46.6	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:35	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	46.6	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:35	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	46.6	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:35	KH
193-39-5	Indeno(1,2,3-cd)pyrene	679		ug/kg dry	46.6	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:35	KH
78-59-1	Isophorone	ND		ug/kg dry	46.6	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:35	KH
91-20-3	Naphthalene	742		ug/kg dry	46.6	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:35	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	46.6	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:35	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	46.6	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:35	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	46.6	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:35	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	46.6	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:35	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	46.6	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:35	KH
85-01-8	Phenanthrene	1830		ug/kg dry	46.6	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:35	KH
108-95-2	Phenol	1810		ug/kg dry	46.6	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:35	KH
129-00-0	Pyrene	2040		ug/kg dry	46.6	93.1	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 20:35	KH
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	67.4 %	20-108								
4165-62-2	Surrogate: SURR: Phenol-d5	66.3 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	72.2 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	62.1 %	21-113								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	76.2 %	19-110								
1718-51-0	Surrogate: SURR: Terphenyl-d14	69.0 %	24-116								

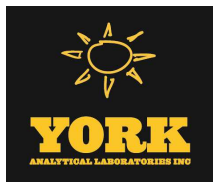
Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

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



Sample Information

Client Sample ID: SB04

York Sample ID: 18L1143-03

York Project (SDG) No.

18L1143

Client Project ID

CRL11801

Matrix

Soil

Collection Date/Time

December 27, 2018 10:40 am

Date Received

12/27/2018

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	8000		mg/kg dry	5.60	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2018 10:43	12/31/2018 12:58	KML
7440-36-0	Antimony	3.61		mg/kg dry	2.80	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2018 10:43	12/31/2018 12:58	KML
7440-38-2	Arsenic	7.80		mg/kg dry	1.68	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2018 10:43	12/31/2018 12:58	KML
7440-39-3	Barium	379		mg/kg dry	2.80	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2018 10:43	12/31/2018 12:58	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.056	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2018 10:43	12/31/2018 12:58	KML
7440-43-9	Cadmium	6.36		mg/kg dry	0.336	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2018 10:43	12/31/2018 12:58	KML
7440-70-2	Calcium	13900		mg/kg dry	5.60	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2018 10:43	12/31/2018 12:58	KML
7440-47-3	Chromium	59.8		mg/kg dry	0.560	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2018 10:43	12/31/2018 12:58	KML
7440-48-4	Cobalt	8.73		mg/kg dry	0.448	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2018 10:43	12/31/2018 12:58	KML
7440-50-8	Copper	161		mg/kg dry	2.24	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2018 10:43	12/31/2018 12:58	KML
7439-89-6	Iron	34800		mg/kg dry	28.0	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2018 10:43	12/31/2018 12:58	KML
7439-92-1	Lead	521		mg/kg dry	0.560	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2018 10:43	12/31/2018 12:58	KML
7439-95-4	Magnesium	2120		mg/kg dry	5.60	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2018 10:43	12/31/2018 12:58	KML
7439-96-5	Manganese	322		mg/kg dry	0.560	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2018 10:43	12/31/2018 12:58	KML
7440-02-0	Nickel	35.5		mg/kg dry	1.12	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2018 10:43	12/31/2018 12:58	KML
7440-09-7	Potassium	660	B	mg/kg dry	5.60	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2018 10:43	12/31/2018 12:58	KML
7782-49-2	Selenium	ND		mg/kg dry	2.80	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2018 10:43	12/31/2018 12:58	KML
7440-22-4	Silver	ND		mg/kg dry	0.560	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2018 10:43	12/31/2018 12:58	KML
7440-23-5	Sodium	4030		mg/kg dry	56.0	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2018 10:43	12/31/2018 12:58	KML
7440-28-0	Thallium	ND		mg/kg dry	2.80	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2018 10:43	12/31/2018 12:58	KML
7440-62-2	Vanadium	26.2		mg/kg dry	1.12	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2018 10:43	12/31/2018 12:58	KML
7440-66-6	Zinc	705		mg/kg dry	2.80	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2018 10:43	12/31/2018 12:58	KML



Sample Information

Client Sample ID: SB04

York Sample ID: 18L1143-03

York Project (SDG) No.
18L1143

Client Project ID
CRL11801

Matrix
Soil

Collection Date/Time
December 27, 2018 10:40 am

Date Received
12/27/2018

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	2.99		mg/kg dry	0.0336	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	12/28/2018 09:59	12/28/2018 12:24	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	89.2		%	0.100	1	SM 2540G Certifications: CTDOH	01/03/2019 12:36	01/03/2019 17:27	MAC

Sample Information

Client Sample ID: UH01

York Sample ID: 18L1143-04

York Project (SDG) No.
18L1143

Client Project ID
CRL11801

Matrix
Soil

Collection Date/Time
December 27, 2018 11:00 am

Date Received
12/27/2018

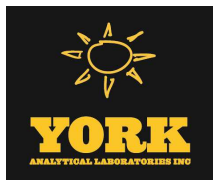
Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 16:18	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	310	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 12:39	01/02/2019 20:16	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 16:18	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	47		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 16:18	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 16:18	LLJ
75-34-3	1,1-Dichloroethane	880		ug/kg dry	310	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 12:39	01/02/2019 20:16	LLJ
75-35-4	1,1-Dichloroethylene	9.8		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 16:18	LLJ
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAE	12/31/2018 10:28	12/31/2018 16:18	LLJ
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	12/31/2018 10:28	12/31/2018 16:18	LLJ



Sample Information

Client Sample ID: UH01

York Sample ID: 18L1143-04

York Project (SDG) No.

18L1143

Client Project ID

CRL1801

Matrix

Soil

Collection Date/Time

December 27, 2018 11:00 am

Date Received

12/27/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	12/31/2018 10:28	12/31/2018 16:18	LLJ
95-63-6	1,2,4-Trimethylbenzene	5300		ug/kg dry	310	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 12:39	01/02/2019 20:16	LLJ
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 16:18	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 16:18	LLJ
95-50-1	1,2-Dichlorobenzene	54		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 16:18	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 16:18	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 16:18	LLJ
108-67-8	1,3,5-Trimethylbenzene	1800		ug/kg dry	310	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 12:39	01/02/2019 20:16	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 16:18	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 16:18	LLJ
123-91-1	1,4-Dioxane	ND		ug/kg dry	61	120	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	12/31/2018 10:28	12/31/2018 16:18	LLJ
78-93-3	2-Butanone	ND		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 16:18	LLJ
591-78-6	2-Hexanone	ND		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 16:18	LLJ
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 16:18	LLJ
67-64-1	Acetone	ND		ug/kg dry	6.1	12	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 16:18	LLJ
107-02-8	Acrolein	ND		ug/kg dry	6.1	12	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 16:18	LLJ
107-13-1	Acrylonitrile	ND		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 16:18	LLJ
71-43-2	Benzene	37		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 16:18	LLJ
74-97-5	Bromochloromethane	ND		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	12/31/2018 10:28	12/31/2018 16:18	LLJ
75-27-4	Bromodichloromethane	ND		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 16:18	LLJ
75-25-2	Bromoform	ND		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 16:18	LLJ
74-83-9	Bromomethane	ND		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 16:18	LLJ



Sample Information

Client Sample ID: UH01

York Sample ID: 18L1143-04

York Project (SDG) No.

18L1143

Client Project ID

CRL11801

Matrix

Soil

Collection Date/Time

December 27, 2018 11:00 am

Date Received

12/27/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-15-0	Carbon disulfide	ND		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 16:18	LLJ
56-23-5	Carbon tetrachloride	ND		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 16:18	LLJ
108-90-7	Chlorobenzene	110		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 16:18	LLJ
75-00-3	Chloroethane	57	CCV-E	ug/kg dry	3.1	6.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 16:18	LLJ
67-66-3	Chloroform	ND		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 16:18	LLJ
74-87-3	Chloromethane	ND		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 16:18	LLJ
156-59-2	cis-1,2-Dichloroethylene	2800		ug/kg dry	310	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 12:39	01/02/2019 20:16	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 16:18	LLJ
110-82-7	Cyclohexane	37		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	12/31/2018 10:28	12/31/2018 16:18	LLJ
124-48-1	Dibromochloromethane	ND		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	12/31/2018 10:28	12/31/2018 16:18	LLJ
74-95-3	Dibromomethane	ND		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	12/31/2018 10:28	12/31/2018 16:18	LLJ
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	12/31/2018 10:28	12/31/2018 16:18	LLJ
100-41-4	Ethyl Benzene	42		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 16:18	LLJ
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	12/31/2018 10:28	12/31/2018 16:18	LLJ
98-82-8	Isopropylbenzene	ND		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 16:18	LLJ
79-20-9	Methyl acetate	ND		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	12/31/2018 10:28	12/31/2018 16:18	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 16:18	LLJ
108-87-2	Methylcyclohexane	15		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAI	12/31/2018 10:28	12/31/2018 16:18	LLJ
75-09-2	Methylene chloride	10	J	ug/kg dry	6.1	12	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 16:18	LLJ
104-51-8	n-Butylbenzene	72		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 16:18	LLJ
103-65-1	n-Propylbenzene	25		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 16:18	LLJ
95-47-6	o-Xylene	1200		ug/kg dry	310	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	12/31/2018 12:39	01/02/2019 20:16	LLJ



Sample Information

Client Sample ID: UH01

York Sample ID: 18L1143-04

York Project (SDG) No.

18L1143

Client Project ID

CRL11801

Matrix

Soil

Collection Date/Time

December 27, 2018 11:00 am

Date Received

12/27/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
179601-23-1	p- & m- Xylenes	250		ug/kg dry	6.1	12	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PA	12/31/2018 10:28	12/31/2018 16:18	LLJ
99-87-6	p-Isopropyltoluene	170		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 16:18	LLJ
135-98-8	sec-Butylbenzene	80		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 16:18	LLJ
100-42-5	Styrene	ND		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 16:18	LLJ
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PAE	12/31/2018 10:28	12/31/2018 16:18	LLJ
98-06-6	tert-Butylbenzene	ND		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 16:18	LLJ
127-18-4	Tetrachloroethylene	32		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 16:18	LLJ
108-88-3	Toluene	1700		ug/kg dry	310	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 12:39	01/02/2019 20:16	LLJ
156-60-5	trans-1,2-Dichloroethylene	170		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 16:18	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 16:18	LLJ
110-57-6	* trans-1,4-dichloro-2-butene	ND		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications: CTDOH	12/31/2018 10:28	12/31/2018 16:18	LLJ
79-01-6	Trichloroethylene	7.9		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 16:18	LLJ
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	3.1	6.1	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 16:18	LLJ
75-01-4	Vinyl Chloride	7900		ug/kg dry	310	610	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 12:39	01/02/2019 20:16	LLJ
1330-20-7	Xylenes, Total	550		ug/kg dry	9.2	18	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJ	12/31/2018 10:28	12/31/2018 16:18	LLJ
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	102 %				77-125					
2037-26-5	Surrogate: SURR: Toluene-d8	92.9 %				85-120					
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	169 %	S-03			76-130					

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	70.6	J	ug/kg dry	62.4	124	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 21:05	KH



Sample Information

Client Sample ID: UH01

York Sample ID: 18L1143-04

York Project (SDG) No.

18L1143

Client Project ID

CRL11801

Matrix

Soil

Collection Date/Time

December 27, 2018 11:00 am

Date Received

12/27/2018

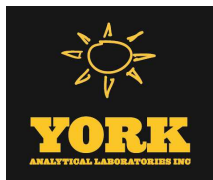
Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	124	249	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 21:05	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	62.4	124	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 21:05	KH
95-50-1	1,2-Dichlorobenzene	112	J	ug/kg dry	62.4	124	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/03/2019 14:09	01/04/2019 21:05	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	62.4	124	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 21:05	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	62.4	124	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/03/2019 14:09	01/04/2019 21:05	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	62.4	124	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	01/03/2019 14:09	01/04/2019 21:05	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	124	249	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 21:05	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	62.4	124	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 21:05	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	62.4	124	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 21:05	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	62.4	124	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 21:05	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	62.4	124	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 21:05	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	124	249	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 21:05	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	62.4	124	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 21:05	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	62.4	124	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 21:05	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	62.4	124	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 21:05	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	62.4	124	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 21:05	KH
91-57-6	2-Methylnaphthalene	516		ug/kg dry	62.4	124	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 21:05	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	62.4	124	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 21:05	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	124	249	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 21:05	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	62.4	124	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 21:05	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	62.4	124	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 21:05	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/kg dry	62.4	124	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 21:05	KH



Sample Information

Client Sample ID: UH01

York Sample ID: 18L1143-04

York Project (SDG) No.

18L1143

Client Project ID

CRL11801

Matrix

Soil

Collection Date/Time

December 27, 2018 11:00 am

Date Received

12/27/2018

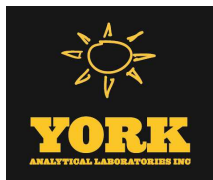
Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
99-09-2	3-Nitroaniline	ND		ug/kg dry	124	249	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 21:05	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	124	249	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 21:05	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	62.4	124	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 21:05	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	62.4	124	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 21:05	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	62.4	124	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 21:05	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	62.4	124	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 21:05	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	124	249	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 21:05	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	124	249	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 21:05	KH
83-32-9	Acenaphthene	ND		ug/kg dry	62.4	124	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 21:05	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	62.4	124	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 21:05	KH
98-86-2	Acetophenone	ND		ug/kg dry	62.4	124	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 21:05	KH
62-53-3	Aniline	ND		ug/kg dry	249	498	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 21:05	KH
120-12-7	Anthracene	104	J	ug/kg dry	62.4	124	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 21:05	KH
1912-24-9	Atrazine	ND		ug/kg dry	62.4	124	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 21:05	KH
100-52-7	Benzaldehyde	ND		ug/kg dry	62.4	124	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 21:05	KH
92-87-5	Benzidine	ND		ug/kg dry	249	498	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	01/03/2019 14:09	01/04/2019 21:05	KH
56-55-3	Benzo(a)anthracene	252		ug/kg dry	62.4	124	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 21:05	KH
50-32-8	Benzo(a)pyrene	285		ug/kg dry	62.4	124	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 21:05	KH
205-99-2	Benzo(b)fluoranthene	286		ug/kg dry	62.4	124	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 21:05	KH
191-24-2	Benzo(g,h,i)perylene	237		ug/kg dry	62.4	124	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 21:05	KH
207-08-9	Benzo(k)fluoranthene	231		ug/kg dry	62.4	124	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 21:05	KH
65-85-0	Benzoic acid	ND		ug/kg dry	62.4	124	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 21:05	KH



Sample Information

Client Sample ID: UH01

York Sample ID: 18L1143-04

York Project (SDG) No.

18L1143

Client Project ID

CRL11801

Matrix

Soil

Collection Date/Time

December 27, 2018 11:00 am

Date Received

12/27/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-51-6	Benzyl alcohol	ND		ug/kg dry	62.4	124	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 21:05	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	62.4	124	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 21:05	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	62.4	124	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 21:05	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	62.4	124	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 21:05	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	62.4	124	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 21:05	KH
117-81-7	Bis(2-ethylhexyl)phthalate	3610	CCV-E	ug/kg dry	62.4	124	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 21:05	KH
105-60-2	Caprolactam	ND		ug/kg dry	124	249	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 21:05	KH
86-74-8	Carbazole	129		ug/kg dry	62.4	124	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 21:05	KH
218-01-9	Chrysene	292		ug/kg dry	62.4	124	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 21:05	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	62.4	124	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 21:05	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	62.4	124	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 21:05	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	62.4	124	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 21:05	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	62.4	124	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 21:05	KH
84-74-2	Di-n-butyl phthalate	224		ug/kg dry	62.4	124	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 21:05	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	62.4	124	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 21:05	KH
206-44-0	Fluoranthene	492		ug/kg dry	62.4	124	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 21:05	KH
86-73-7	Fluorene	ND		ug/kg dry	62.4	124	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 21:05	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	62.4	124	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 21:05	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	62.4	124	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 21:05	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	62.4	124	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 21:05	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	62.4	124	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 21:05	KH
193-39-5	Indeno(1,2,3-cd)pyrene	245		ug/kg dry	62.4	124	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 21:05	KH



Sample Information

Client Sample ID: UH01

York Sample ID: 18L1143-04

York Project (SDG) No.
18L1143

Client Project ID
CRL11801

Matrix
Soil

Collection Date/Time
December 27, 2018 11:00 am

Date Received
12/27/2018

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-59-1	Isophorone	ND		ug/kg dry	62.4	124	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 21:05	KH
91-20-3	Naphthalene	241		ug/kg dry	62.4	124	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 21:05	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	62.4	124	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 21:05	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	62.4	124	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 21:05	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	62.4	124	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 21:05	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	62.4	124	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 21:05	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	62.4	124	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 21:05	KH
85-01-8	Phenanthrene	453		ug/kg dry	62.4	124	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 21:05	KH
108-95-2	Phenol	ND		ug/kg dry	62.4	124	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 21:05	KH
129-00-0	Pyrene	787		ug/kg dry	62.4	124	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2019 14:09	01/04/2019 21:05	KH
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	63.0 %	20-108								
4165-62-2	Surrogate: SURR: Phenol-d5	61.8 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	71.4 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	51.4 %	21-113								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	64.4 %	19-110								
1718-51-0	Surrogate: SURR: Terphenyl-d14	64.5 %	24-116								

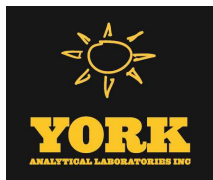
Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	6840		mg/kg dry	7.46	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2018 10:43	12/31/2018 13:00	KML
7440-36-0	Antimony	ND		mg/kg dry	3.73	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2018 10:43	12/31/2018 13:00	KML
7440-38-2	Arsenic	5.76		mg/kg dry	2.24	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2018 10:43	12/31/2018 13:00	KML
7440-39-3	Barium	168		mg/kg dry	3.73	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2018 10:43	12/31/2018 13:00	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.075	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2018 10:43	12/31/2018 13:00	KML



Sample Information

Client Sample ID: UH01

York Sample ID: 18L1143-04

York Project (SDG) No.
18L1143

Client Project ID
CRL11801

Matrix
Soil

Collection Date/Time
December 27, 2018 11:00 am

Date Received
12/27/2018

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-43-9	Cadmium	6.53		mg/kg dry	0.448	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2018 10:43	12/31/2018 13:00	KML
7440-70-2	Calcium	28200		mg/kg dry	7.46	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2018 10:43	12/31/2018 13:00	KML
7440-47-3	Chromium	46.7		mg/kg dry	0.746	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2018 10:43	12/31/2018 13:00	KML
7440-48-4	Cobalt	12.1		mg/kg dry	0.597	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2018 10:43	12/31/2018 13:00	KML
7440-50-8	Copper	113		mg/kg dry	2.99	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2018 10:43	12/31/2018 13:00	KML
7439-89-6	Iron	27400		mg/kg dry	37.3	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2018 10:43	12/31/2018 13:00	KML
7439-92-1	Lead	263		mg/kg dry	0.746	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2018 10:43	12/31/2018 13:00	KML
7439-95-4	Magnesium	3800		mg/kg dry	7.46	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2018 10:43	12/31/2018 13:00	KML
7439-96-5	Manganese	389		mg/kg dry	0.746	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2018 10:43	12/31/2018 13:00	KML
7440-02-0	Nickel	37.7		mg/kg dry	1.49	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2018 10:43	12/31/2018 13:00	KML
7440-09-7	Potassium	719	B	mg/kg dry	7.46	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2018 10:43	12/31/2018 13:00	KML
7782-49-2	Selenium	ND		mg/kg dry	3.73	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2018 10:43	12/31/2018 13:00	KML
7440-22-4	Silver	ND		mg/kg dry	0.746	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2018 10:43	12/31/2018 13:00	KML
7440-23-5	Sodium	227		mg/kg dry	74.6	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2018 10:43	12/31/2018 13:00	KML
7440-28-0	Thallium	ND		mg/kg dry	3.73	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2018 10:43	12/31/2018 13:00	KML
7440-62-2	Vanadium	19.1		mg/kg dry	1.49	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2018 10:43	12/31/2018 13:00	KML
7440-66-6	Zinc	748		mg/kg dry	3.73	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2018 10:43	12/31/2018 13:00	KML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	1.22		mg/kg dry	0.0448	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	12/28/2018 09:59	12/28/2018 12:40	SY



Sample Information

Client Sample ID: UH01

York Sample ID: 18L1143-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18L1143

CRL11801

Soil

December 27, 2018 11:00 am

12/27/2018

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	67.0		%	0.100	1	SM 2540G Certifications: CTDOH	01/03/2019 12:36	01/03/2019 17:27	MAC



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
18L1143-01	SB01 (0-2)	40mL Vial with Stir Bar-Cool 4° C
18L1143-02	SB01 (18-20)	40mL Vial with Stir Bar-Cool 4° C
18L1143-03	SB04	40mL Vial with Stir Bar-Cool 4° C
18L1143-04	UH01	40mL Vial with Stir Bar-Cool 4° C



Sample and Data Qualifiers Relating to This Work Order

S-08	The recovery of this surrogate was outside of QC limits.
S-03	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect. This effect was confirmed by reanalysis.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
M-MBLk	Analyte was detected in the batch method blank above the Reporting Limit.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
IS-LO	The internal std associated with this target compound did not meet acceptance criteria (area <50% CCV) at the stated dilution due to matrix effects. Sample was rerun to confirm matrix effects.
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.

Corrective Action: The sampling dates on the COC did not matched the container date & time of collection. The lab used the container information for sample login.



York Analytical Laboratories, Inc.

Field Chain-of-Custody Record

YORK Project No.

1861143

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

clientservices@yorklab.com
www.yorklab.com

[illegible]