PROJECT STATUS MEMORANDUM

TO: Pamela Tames, USEPA

FROM: Mark M. Goldberg, P.E.
Tunde H. Komuves-Sandor, PG, CPG

SUBJECT: Rowe Industries Superfund Site
NYS Site ID No. 152106
Groundwater Recovery and Treatment System
DRAFT August and September 2018 Status Report

DATE: December 7, 2018

WSP USA (WSP) commenced operation of the Full-Scale Pump and Treat (FSP&T) groundwater remediation system at the above-referenced site on December 17, 2002. Starting in September 2008, the groundwater recovered by the Focus Pump and Treat (FP&T) system was routed to the FSP&T system for treatment. As of 2014, the FSP&T system only treats water extracted from RW-2 and FRW-1, 2, 3 and 4; the other FSP&T recovery wells (RW-1, 3, 4, 5, 6, 7, 8, and 9) have been shut down with USEPA approval after achieving remediation standards. This status report presents a summary of performance, operation and maintenance for both systems and monitoring activities for the site from August 1, 2018 through September 30, 2018. The report includes a summary of system performance parameters, system operation parameters, and analytical results for groundwater, system effluent samples, and air quality results.

SUMMARY OF SYSTEM PERFORMANCE AND OPERATION

(August 1, 2018 through September 30, 2018)

1. Hours of operation during the reporting period:	216 hours (14.8%)
2. Alarm conditions during the reporting period:	See Table 1
3. Were the SPDES VOC discharge permit criteria achieved:	Yes, (see Table 2)
4. Total volume of water pumped during the reporting period:	481,097 gal.
5. Was the system effluent flow below the SPDES limit of 1,023,000 gpd:	Yes, (see Graph 1)
6. Mass of VOCs recovered during the reporting period:	<0.01 pound (see Graph 2)
7. Cumulative mass of VOCs recovered since startup on 12/17/02: (calculations can be provided upon request)	229.4 pounds
8. Effluent VOC vapor concentration for the reporting period:	0.01 mg/m^3 (see Table 8)
9. Was the effluent VOC vapor emission rate below 0.022 lbs./hr.: (calculations can be provided upon request)	yes (0.00014 lbs./hr.)

WSP USA
Formerly
Leggette, Brashears & Graham
6 Executive Drive, Suite 109
Farmington, CT 06032

T +1-860-678-0404
wsp.com

PUMP AND TREAT SYSTEM STATUS SUMMARY

The following table summarizes recovery well parameters for the operating recovery wells. Note, the FSP&T system was not operational from July 2 to September 21 because of an EQ tank leak and a malfunctioning uninterruptable power supply.

Well	Volume pumped (gal)	Total VOC Concentration (ug/L) [3/]
RW-2 [1/]	377,999	0.6
FRW-1 [2/]	10,153	23.9
FRW-2 [2]	560	29.2
FRW-3 [2/]	4,685	46.5
FRW-4 [2/]	149,203	6.6

[1/] The above table summarizes the parameters for RW-2 from August 1 to September 30, 2018.

[2/] The above table summarizes the parameters for the FRWs from August 1 to October 5, 2018.

[3/] The Total VOC concentrations are based on the September 21, 2018 sampling event.

On August 28, 2018, a crack in the EQ tank was repaired. A backup battery for the UPS was installed; however, the UPS unit was unresponsive. On September 21, 2018, a new UPS unit was installed, and the FSP&T and FP&T systems were reset and restarted without issue. The action of replacing the UPS and then resetting/ restarting the FSP&T system appears to have corrected the RW-2 flow meter connection problem that was identified in late June 2018. Additional details about system maintenance work are included in Table 1. The fire/security monitoring company is not receiving a remote signal from the FSP&T system security/fire monitoring panel; therefore, a new cell unit for the security and fire monitoring system is scheduled to be installed in October 2018.

SUMMARY OF SAMPLING ACTIVITIES

August and September 2018 groundwater quality sampling were completed for the following wells:

- Monthly groundwater samples were collected from RW-2, FRW-1, FRW-2, FRW-3 and FRW-4 on August 28 and September 21, 2018;

- Semi-annual/annual groundwater quality samples were collected from recovery and monitor wells RW-3, RW-4, RW-6, MW98-01A, 04, 04B, 05AR, 05BR, 45A, 45B, 28A, 28B, 44A, 44B, 44C, 47A, 47B, 58A, 58B, 59A, 59B, 42B, 43A, 43B, 43C, 53, 54, B1, B4, N-32 and N-32B. The collection of the semi-annual/annual groundwater quality samples was completed on September 17, 18 and19, 2018. The semi-annual/annual groundwater quality sampling results will be summarized and reported under a separate cover. The next semi-annual groundwater quality sampling event is currently scheduled for March 2019.

Tables 3 to 7 and present a summary of the quality results for water samples collected from downgradient recovery well RW-2 and FRW-1, 2, 3, and 4. Graphs 3 to 7 present PCE concentrations for

samples from RW-2 and FRW-1, 2, 3, and 4 for the last 24 months. Laboratory analytical reports for the water samples collected from the RWs are included as Appendix II.

The PCE, TCE, cis-DCE, VC and TCA concentrations in the groundwater sample collected from RW-2 were below the respective ARARs; concentrations at RW-2 have been below the ARARs for over 8 years.

The PCE concentrations in the groundwater samples collected at FRW-1and 3 were above the ARAR in the groundwater samples collected in August. The PCE concentrations in FRW-1, 2, and 3 were above the ARAR in the groundwater samples collected in September. The PCE and cis-DCE concentrations in FRW-4 were below associated ARARs for August and September. The cis-DCE concentrations in FRW-1, 2, and 3 were above the ARAR in the groundwater samples collected in August. The cis-DCE concentrations in FRW-2 and 3 were above the ARAR in the groundwater samples collected in September. The TCE and TCA concentrations in FRW-1, 2, 3 and 4 were below associated ARARs for August and September.

Groundwater samples from RW-2 and the FRWs will continue to be collected and analyzed monthly for quality trends.

FUTURE O&M ACTIVITIES

O&M activities scheduled for October 2018 include:

- install a new security/fire monitoring system cell unit; and,
- normal bi-weekly/monthly O&M activities.

MMG:nv
Attachments
cc: Brian Shuttleworth - Kraft Heinz Foods Company (as successor to Kraft Foods Group, Inc.)-.pdf
Kevin Kyrias-Gann, Ramboll.pdf
Renee (Petersen) DeBaene, Ramboll.pdf
Payson Long, NYSDEC-.pdf
Chief-Operation Maintenance and Support Section, NYSDEC-.pdf
Anthony Leung, RWM, R-1, NYSDEC-.pdf
Sundy Schermeyer, Town of Southampton, Town Clerk-.pdf
Mark Sergott, NYSDOH-.pdf
H:\NABIS\2018\Monthly Reports\September\Status_Aug_Sept_2018.docx

TABLES

TABLE 1

GROUNDWATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

MAINTENANCE LOG
(August 1, 2018 through September 30, 2018)

Date	Time	System Changes/Modifications	Personnel
8/28/18		The system has not operated since July 2, 2018 because of a leak in the EQ Tank. The leak in the EQ tank was repaired by Burt Process. Cisco assisted with temporarily removing the remaining water from the tank during repair work. Following repair work, the water was moved back into the EQ Tank and any remaining sediment was drummed, labeled and stored on-site. The EQ Tank was tested for leaks and was not leaking.	EF, Burt, Cisco
		A replacement battery for the UPS was installed; however, the UPS unit did not respond. The replacement battery will be stored on-site. D&D indicated that the UPS unit had failed and needed to be replaced. A new UPS unit was ordered. Systems remain off but water is still present in the EQ Tank.	EF, D&D
8/29/18		Spot check for leaks in the EQ Tank. No leaks detected in the EQ Tank. System remains off.	JF
9/17/18		Started semi-annual/annual groundwater monitoring event.	PS, DM
9/18/18		Continued semi-annual/annual groundwater monitoring event.	PS, DM
9/19/18		Finished semi-annual/annual groundwater monitoring event.	PS, DM
9/21/18		Replaced UPS unit. Tested UPS backup battery for proper function. Tested FSP&T System for proper function. No issues reported.	EF, D&D
	11:35 AM	Reset and restarted the FSP&T System; monitored operation for several cycles; no issues observed.	EF
	11:40 AM	Restarted the FP&T System	EF
9/25/18		Spot check for leaks in the EQ Tank and system operation. No issues reported.	JF

Notes:

EF	Evan Foster, WSP USA
PS	Patrick Staub, WSP USA
DM	Dennis Mostowy, WSP USA
JF	Jamie Forrester, WSP USA
Burt	Burt Process, LLC
Cisco	Cisco Geotechnical, LLC
D&D	D&D Electric

H:\NABIS\2018\Monthly Reports\September\Table 1 Maintenance Record Sept 2018.docx

TABLE 2

GROUNDWATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

Effluent Water Quality Results

Date Sampled [2/]	pH [1/]	TDS [4/] (mg/l)	PCE (ug/l)	1,1,1-TCA (ug/l)	TCE (ug/l)	1,1-DCA (ug/l)	1,1-DCE (ug/l)	cis-1,2-DCE (ug/l)	trans-1,2-DCE (ug/l)	Xylene (ug/l)	Toluene (ug/l)	Ethyl-benzene (ug/l)	Methylene Chloride (ug/l)	Freon 113 (ug/l)	Naphthalene (ug/l)	Chloroform (ug/l)	Total Iron (mg/l)	Dissolved Iron (mg/l)
SPDES Limits	**6.5 to 8.5**	**---**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**---**	**10**	**7**	**---**	**---**
3-Jan-18	6.9	114	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	0.02	0.025
1-Feb-18	6.8	157	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	4.43	0.032
1-Mar-18	6.8	147	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	3.15	0.057
2-Apr-18	6.8	136	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	2.99	0.034
2-May-18	6.8	151	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	8.05	0.049
5-Jun-18	6.8	138	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	0.25	ND<0.02
2-Jul-18	6.8	114	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	2.50	0.127
28-Aug-18	6.9	NA	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	0.124	0.125
21-Sep-18	6.8	155	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	7.48	0.037

SPDES: State Pollutant Discharge Elimination System
mg/l: Milligrams per liter
ug/l: Micrograms per liter
----: Not established
NM: Not Measured
TDS: Total dissolved solids
PCE: Tetrachloroethylene
1,1,1-TCA: 1,1,1-Trichloroethane
TCE: Trichloroethene
1,1-DCA: 1,1-Dichlorothane
1,1-DCE: 1,1-Dichloroethene
cis-1,2-DCE: cis-1,2-Dichloroethene
trans-1,2,-DCE: trans-1,2-Dichloroethene
J: Analyte detected below quantitation limits, value shown is a laboratory estimate.
B: Analyte was found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.
ND: Not detected

Notes:
1. Based on the SPDES criteria from an NYSDEC letter dated on May 6, 2016, the allowable pH range for the Rowe Site is between 6.5 and 8.5.
2. "Effluent" samples were collected from sample port labeled NP2-10 unless otherwise noted.
3. Starting in October 2016, FSP&T system samples are collected monthly instead of once every two weeks. The pH of the effluent water is measured two times per month in accordance with the SPDES requirements.
4. The laboratory mistakenly forgot to analyze the system effluent sample collected on August 28, 2018 for total dissolved solids (TDS).

TABLE 3

GROUNDWATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

Recovery Well Water Quality Results

Recovery Well [1/]	Date Sampled	PCE (ug/L)	TCE (ug/L)	TCA (ug/L)	Chloroform (ug/L)	MTBE (ug/L)	1,1-Dichloro-ethane (ug/L)	cis-1,2-Dichloro-ethene (ug/L)	1,1-Dichloro-ethene (ug/L)	Methylene Chloride (ug/L)	Toluene (ug/L)	Benzene (ug/L)	m,p-Xylene (ug/L)	o-Xylene (ug/L)
	ARAR's	**5**	**5**	**5**	**7**	**NE**	**5**	**5**	**5**	**5**	**NE**	**NE**	**5**	**5**
RW-2	23-Jun-16	0.26 J	0.34 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	19-Jul-16	0.23 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	2-Aug-16	0.24 J	0.37 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	16-Sep-16	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	17-Oct-16	0.45 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	1-Nov-16	0.42 J	0.44 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	1-Dec-16	0.52	0.39 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	9-Jan-17	0.30 J	0.43 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	2-Feb-17	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	1-Mar-17	0.28 J	0.47 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	7-Apr-17	0.53	0.55	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	11-May-17	0.54	0.37 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.28 J	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	1-Jun-17	0.29	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	6-Jul-17	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	1-Aug-17	0.23 J	0.26 J	ND<0.5	0.24 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	5-Sep-17	0.23 J	0.32 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	4-Oct-17	0.24 J	0.34 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	1-Nov-17	0.31 J	0.39 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	5-Dec-17	0.27 J	0.42 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	3-Jan-18	0.28 J	0.70	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	1-Feb-18	0.33 J	0.59	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	1-Mar-18	0.41 J	0.67	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	2-Apr-18	0.28 J	0.36 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	2-May-18	0.32 J	0.22 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	5-Jun-18	0.21 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	2-Jul-18	0.22 J	ND<0.5	ND<0.5	0.28 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	28-Aug-18	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	21-Sep-18	0.37 J	0.26 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5

PCE: Tetrachloroethylene
TCE: Trichloroethylene
TCA: 1,1,1-Trichloroethane
MTBE: Methyl-tertiary-butyl-ether
NS: Not sampled

ND: Not detected
<#: Less than method detection limit
ug/L: Micrograms per liter
-: Not analyzed
J: Analyte detected below quantitation limits, value shown is a laboratory estimate.
B: Analyte was found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.
ARAR's are chemical specific aquifer restoration goals for ground water at the Former Rowe Industries Superfund Site.
NE indicates that the ARAR goal was not established for this compound by the EPA.
Bold values indicate an exceedence of the ARAR standard established for the site.
[1/] In September 2016, the EPA granted approval to discontinue groundwater sampling at RW-1, RW-5, RW-7, RW-8 and RW-9.

TABLE 4

GROUNDWATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

Recovery Well FRW-1 VOC Concentrations, micrograms per liter

FRW-1										
Date	**PCE**	**TCE**	**cis12DCE**	**VC**	**TCA**	**11DCA**	**124TCB**	**Toluene**	**Bromomethane**	**Acetone**
ARARs	**5**	**5**	**5**	**2** [1/]	**5**	**5**	**5** [1/]	**5**	**5** [1/]	**NE**
2-Aug-16	**22**	0.75	1.4	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	1.2 J
The FRWs were shut down between August 10 and August 13, 2016.										
1-Sep-16	**25**	0.81	1.6	ND<0.5	0.20 J	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<2
FRW-1 was shut down between September 15 and 16, 2016 and again between September 21 and October 4, 2016										
17-Oct-16	**29**	2.60	**8.5**	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	0.56 J	ND<2
The FRWs were off between October 17 and November 14, 2016										
14-Nov-16	**64**	**5.4**	**38**	0.41 J	0.84	0.28 J	ND<2	ND<0.5	ND<0.5	ND<2
The FRWs were off between November 16 and December 1, 2016										
16-Dec-16	**58**	0.54	1.9	ND<0.5	0.51	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRWs were off from December 28 to January 3, 2017 and January 5 to January 9, 2017										
9-Jan-17	**120**	1.9	1.7	ND<0.5	1.1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRWs were off between January 23 and February 2, 2017										
2-Feb-17	**460**	**8.5**	**20**	ND<0.5	3.5	0.59 J	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRWs were off between February 20 and February 22, 2017										
1-Mar-17	**110**	3.9	**6.3**	ND<0.5	0.82	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRWs were off between March 24 and March 29, 2017										
7-Apr-17	**240**	3.8	2.2	ND<0.5	2.6	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.3 J
The FRWs were off from April 17 to April 26, 2017 and April 27 to May 1, 2017										
3-May-17	**200**	2.0	2.3	ND<0.5	2.1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.0
1-Jun-17	**94**	2.5	4.5	ND<0.5	0.55	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRWs were off from June 7 to June 9 and from June 21 to 23, 2017										
6-Jul-17	3.6	ND<0.5	1.1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRWs were off from July 31 to August 28, 2017										
1-Aug-17 [2/]	**16**	0.41 J	0.44 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
5-Sep-17	**34**	0.93	2.9	ND<0.5	0.22 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRWs were off from September 13 to 19 and from September 27 to October 4, 2017										
4-Oct-17	**56**	1.7	**7.8**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRWs were off from October 11 to October 16, 2017 and October 29 to 31, 2017										
1-Nov-17	**72**	1.3	1.7	ND<0.5	0.37 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRWs were off from November 12 to December 5, 2017										
5-Dec-17	**55**	1.5	3.4	ND<0.5	0.4 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
FRW-1 was off from December 6 to 12 and December 24, 2017 to February 9, 2018										
1-Feb-18	**63**	**7.4**	**28**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
1-Mar-18	**110**	**2.7**	1.8	ND<0.5	1.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRWs were off between March 15 and 26, 2018 and March 27 and 29, 2018										
2-Apr-18	**83**	0.31 J	ND<0.5	ND<0.5	0.25 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.2 J
The FRWs were off between April 17 and 23, 2018 and April 26 and May 2, 2018										
2-May-18	**97**	0.86	0.46 J	ND<0.5	0.75	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRWs were off from May 20 to June 5, 2018 and June 18 to 20, 2018										
20-Jun-18	**25**	0.76	0.68	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
2-Jul-18	**22**	0.66	0.60	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRWs were off from July 2 to September 21, 2018										
28-Aug-18 [3/4/]	**7.26**	4.16	**9.05**	0.22	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	11.1
21-Sep-18	**20.2**	1.25	2.43	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2

ARARs - Applicable Relevant and Appropriate Requirements for aquifer restoration established for the Site.

1. NYSDEC ambient water quality standards for these compounds are presented because site-specific ARARs for these compounds were not established.

2. The FP&T system was not operating because of a malfunctioning transfer pump. The FRWs were turned on manually to collect a groundwater sample.

3. Tetrahydrofuran, a common industrial solvent for polyvinyl chloride (PVC) and a component in varnishes, and a popular solvent used in laboratories was detected in the groundwater sample at 278 ug/L. However it was not detected in the laboratory blank or the laboratory duplicates. This is not a compound typically detected in groundwater samples from the site. Turned wells on only long enough to collect sample.

4. Other non-target COCs (tert-butyl alcohol, 2-butanone and/or acetone) were detected in the August 28, 2018 sample. For the case of acetone, this is a common laboratory artifact. The detections of the remaining non-target COCs is most likely attributed to collecting the sample that remained in close contact with PVC pipes for an extended time (i.e. from July 2 to August 28, 2018). Other than acetone, non-target COCs were not detected to any significant degree in the groundwater sample collected on September 21, 2018.

J : Analyte detected below quantitation limits, value shown is a laboratory estimate.

B: Method blank contamination, the associated method blank contains the target analyte at a reportable level.

ND: Not detected

Comments:

As of September 1, 2011 the water samples are analyzed by York Analytical Laboratories, Inc. The laboratory typically uses a reporting limit

PCE: Tetracholoethylene
TCE: Trichloroethene
cis12DCE: cis-1,2-Dichloroethene
VC: Vinyl Chloride
TCA: 1,1,1-Trichloroethane
11DCA: 1,1-Dichloroethane
124TCB: 1,2,4-Trimethylbenzene

TABLE 5

GROUNDWATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

Recovery Well FRW-2 VOC Concentrations, micrograms per liter

FRW-2								
Date	**PCE**	**TCE**	**cis12DCE**	**VC**	**TCA**	**Toluene**	**2-Hexanone**	**Acetone**
ARARs	**5**	**5**	**5**	**2** [1/]	**5**	**5**	**NE**	**NE**
2-Aug-16	**22**	1.0	0.55	ND<0.5	ND<0.5	ND<0.5	1.1	1.6 J
The FRWs were shut down between August 10 and August 13, 2016.								
1-Sep-16	**26**	1.2	0.39 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
FRW-2 was shut down between September 1 and 16, 2016 and again between September 21 and October 4, 2016.								
17-Oct-16	3.1	2.7	**41**	4.1	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRWs were off between October 17 and November 14, 2016								
14-Nov-16	**19**	**6.5**	**19**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.0 J
The FRWs were off between November 16 and December 1, 2016								
16-Dec-16	**32**	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<20	ND<20
The FRWs were off between December 28 to January 3, 2017 and January 5 to January 9, 2017								
9-Jan-17	**27**	**6.4**	**7.3**	ND<5.0	ND<5.0	ND<5.0	ND<0.5	ND<2
The FRWs were off between January 23 to February 2, 2017								
2-Feb-17	**100**	**10**	**39**	1.4	0.63	ND<5.0	ND<0.5	2.2
The FRWs were off between February 20 to February 22, 2017								
1-Mar-17	**40**	1.0	0.52	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRWs were off between March 24 and March 29, 2017								
7-Apr-17	**93**	2.6	1.6	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3.1
The FRWs were off from April 17 to April 26, 2017 and April 27 to May 1, 2017								
3-May-17	**68**	**11**	**9.3**	ND<0.5	0.35 J	ND<0.5	ND<0.5	2.4
1-Jun-17	**16**	1.0	0.92	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRW-2 was off from June 7 to June 9 and from June 21 to 29, 2017								
6-Jul-17	0.57	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.8
The FRWs were off from July 31 to August 28, 2017								
1-Aug-17 [2/]	**7.0**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.1
5-Sep-17	**33**	0.85	0.59	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRWs were off from September 13 to 19 and from September 27 to October 4, 2017								
4-Oct-17	**50**	2.7	0.91	ND<0.5	ND<0.5	ND<0.5	ND<0.5	5.0
The FRWs were off from October 11 to October 16, 2017 and October 29 to 31, 2017								
1-Nov-17	**45**	0.76	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRWs were off from November 12 to 16, 2017 and November 26 to 27, 2017								
5-Dec-17	**38**	3.4	1.6	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRWs were off from December 24, 2017 to February 9, 2018								
1-Feb-18	**37**	3.2	1.4	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.8
1-Mar-18	**48**	0.7	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRWs were off between March 15 and 26, 2018 and March 27 and 29, 2018								
2-Apr-18	**140**	1.2	0.36 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRWs were off between April 17 and 23, 2018 and April 26 and May 2, 2018								
2-May-18	**29**	0.92	0.29 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	4.6
The FRWs were off from May 20 to June 5, 2018 and June 18 to 20, 2018								
20-Jun-18	3.8	1.4	0.44 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
2-Jul-18	3.8	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRWs were off from July 2 to September 21, 2018								
28-Aug-18 [3/4/]	ND<0.5	0.30	**29**	**2.48**	ND<0.5	0.51	ND<0.5	ND<2
21-Sep-18	**11.9**	1.83	**14.5**	0.73	ND<0.5	ND<0.5	ND<0.5	2.1

ARARs - Applicable Relevant and Appropriate Requirements for aquifer restoration established for the Site.

1. NYSDEC ambient water quality standards for these compounds are presented because site-specific ARARs for these compounds were not established.

2. The FP&T system was not operating because of a malfunctioning transfer pump. The FRWs were turned on manually to collect a groundwater sample.

3. Tetrahydrofuran, a common industrial solvent for polyvinyl chloride (PVC) and a component in varnishes, and a popular solvent used in laboratories was detected in the groundwater sample at 204 ug/L. However it was not detected in the laboratory blank or the laboratory duplicates. This is not a compound typically detected in groundwater samples from the site. Turned wells on only emporarily to collect groundwater sample.

4. Other non-target COCs (tert-butyl alcohol, 2-butanone and/or acetone) were detected in the August 28, 2018 sample. For the case of acetone, this is a common laboratory artifact. The detections of the remaining non-target COCs is most likely attributed to collecting the sample that remained in close contact with PVC pipes for an extended time (i.e. from July 2 to August 28, 2018). Other than acetone, non-target COCs were not detected to any significant degree in the groundwater sample collected on September 21, 2018.

J : Analyte detected below quantitation limits, value shown is a laboratory estimate.
B: Method blank contamination, the associated method blank contains the target analyte at a reportable level.
ND: Not detected

Comments:
As of September 1, 2011 the water samples are analyzed by York Analytical Laboratories, Inc. The laboratory typically uses a reporting limit (RL) for water of 5 ug/l for VOC. York reports detections below 0.5 ug/l as an estimated value; these values are below the RL but greater than or equal to the method detection limit (MDL). A value reported below the RL but above the MDL is considered an estimated value and flagged with a "J". The calibration curve was adjusted to a reporting limit of 0.5 ug/l during October 2011.

PCE: Tetrachloroethylene
cis12DCE: cis-1,2-Dichloroethene
TCA: 1,1,1-Trichloroethane
TCE: Trichloroethene
VC: Vinyl chloride

TABLE 6

GROUNDWATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

Recovery Well FRW-3 VOC Concentrations, micrograms per liter

FRW-3												
Date	**PCE**	**TCE**	**cis12DCE**	**VC**	**11DCA**	**TCA**	**135TMB**	**IPB**	**NPB**	**Toluene**	**2-Hexanone**	**Acetone**
ARARs	**5**	**5**	**5**	**2** [1/]	**5**	**5**	**5** [1/]	**5** [1/]	**5** [1/]	**5**	**NE**	**NE**
2-Aug-16	**8.1**	0.7	1.4	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.71	0.43 J	ND<0.5	ND<0.5	2.3
The FRWs were shut down between August 10 and August 13, 2016.												
1-Sep-16	**17**	1.4	2.2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.83	0.58	ND<0.5	ND<0.5	ND<2
FRW-3 was shut down between September 15 and 16, 2016 and again between September 21 and October 4, 2016												
17-Oct-16	**9.0**	2.4	**23**	1.1	ND<0.5	ND<0.5	ND<0.5	0.36 J	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRWs were off between October 17 and November 14, 2016												
14-Nov-16	**79**	**5.6**	**14**	0.48 J	ND<0.5	0.67	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.0
The FRWs were off between November 16 and December 1, 2016												
16-Dec-16	**24**	4.1	**16**	0.42 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.32 J	ND<0.5	ND<0.5	ND<2
The FRWs were off between December 28 to January 3, 2017 and January 5 to January 9, 2017												
9-Jan-17	**53**	**5.1**	**17**	ND<0.5	ND<0.5	0.40 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRWs were off between January 23 to February 2, 2017												
2-Feb-17	**18**	3.7	**24**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.76	0.63	ND<0.5	ND<0.5	ND<2
The FRWs were off between February 20 to February 22, 2017												
1-Mar-17	**50**	**5.7**	**20**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.99	0.64	ND<0.5	ND<0.5	ND<2
The FRWs were off between March 24 and March 29, 2017												
7-Apr-17	**65**	**5.0**	**41**	1.4	ND<0.5	ND<0.5	ND<0.5	0.71	0.49	ND<0.5	ND<0.5	ND<2
FRW-3 was off from April 17 to April 26, 2017 and April 27 to May 11, 2017												
11-May-17	**130**	**5.8**	**8.5**	0.24 J	ND<0.5	0.35 J	ND<0.5	0.35 J	0.30 J	ND<0.5	ND<0.5	ND<2
FRW-3 was off from o May 17 to June 1, 2017												
1-Jun-17	**83**	**5.8**	**12**	0.37 J	ND<0.5	ND<0.5	ND<0.5	0.38 J	0.38 J	ND<0.5	ND<0.5	1.0
The FRWs were off from June 7 to June 9 and from June 21 to 23, 2017												
6-Jul-17	3.4	0.70	1.8	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.4
The FRWs were off from July 31 to August 28, 2017												
1-Aug-17 [2/]	**35**	1.9	1.9	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.6
5-Sep-17	**15**	1.7	**6.1**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRWs were off from September 13 to 19 and from September 27 to October 4, 2017												
4-Oct-17	**21**	**6.0**	**15**	1.2	ND<0.5	ND<0.5	ND<0.5	0.48 J	0.40 J	ND<0.5	ND<0.5	2.7
The FRWs were off from October 11 to October 16, 2017 and October 29 to 31, 2017												
1-Nov-17	**17**	1.2	3.4	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.33 J	0.30 J	ND<0.5	ND<0.5	ND<2
The FRWs were off from November 12 to 16, 2017 and November 26 to 27, 2017												
5-Dec-17	**37**	1.8	2.3	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.37 J	0.33 J	ND<0.5	ND<0.5	ND<2
The FRWs were off from December 24, 2017 to February 9, 2018												
1-Feb-18	**22**	2.0	3.3	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.32 J	ND<0.5	ND<0.5	ND<0.5	ND<2
1-Mar-18	**120**	**7.9**	**18**	ND<0.5	0.26 J	0.65	ND<0.5	0.49 J	0.34 J	ND<0.5	ND<0.5	ND<2
The FRWs were off between March 15 and 26, 2018 and March 27 and 29, 2018												
2-Apr-18	**170**	4.5	0.2 J	0.25 J	ND<0.5	0.71	ND<0.5	0.20 J	ND<0.5	ND<0.5	ND<0.5	1.2 J
The FRWs were off between April 17 and 23, 2018 and April 26 and May 2, 2018												
2-May-18	**140**	**9.4**	**11**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3.2
The FRWs were off from May 20 to June 5, 2018 and June 18 to 20, 2018												
20-Jun-18	**39**	**6.8**	4.3	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.5 J
2-Jul-18	**49**	1.4	1.4	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRWs were off from July 2 to September 21, 2018												
8/28/2018 [3/]	**6.2**	0.99	**20.3**	0.84	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	6.77 J
21-Sep-18	**19.6**	2.99	**19.8**	**2.04**	ND<0.5	ND<0.5	ND<0.5	0.22 J	0.30 J	ND<0.5	ND<0.5	1.53 J

ARARs - Applicable Relevant and Appropriate Requirements for aquifer restoration established for the Site.
1. NYSDEC ambient water quality standards for these compounds are presented because site-specific ARARs for these compounds were not established.

2. The FP&T system was not operating because of a malfunctioning transfer pump. The FRWs were turned on manually to collect a groundwater sample.

3. Non-target COCs (tetrahydrofuran, tert-butyl alcohol, 2-butanone and/or acetone) were detected in the August 28, 2018 sample. For the case of acetone, this is a common laboratory artifact. The detections of the remaining non-target COCs is most likely attributed to collecting the sample that remained in close contact with PVC pipes for an extended time (i.e. from July 2 to August 28, 2018). Other than acetone, non-target COCs were not detected to any significant degree in the groundwater sample collected on September 21, 2018.

J : Analyte detected below quantitation limits, value shown is a laboratory estimate.
B: Method
ND: Not detected

Comments:
As of September 1, 2011 the water samples are analyzed by York Analytical Laboratories, Inc. The laboratory typically uses a reporting limit (RL) for water of 5 ug/l for VOC. York reports detections below 0.5 ug/l as an estimated value; these values are below the RL but greater than or equal to the method detection limit (MDL). A value reported below the RL but above the MDL is considered an estimated value and flagged with a "J". The calibration curve was adjusted to a reporting limit of 0.5 ug/l during October 2011.

PCE: Tetrachloroethylene
cis12DCE: cis-1,2-Dichloroethene
11DCA: 1,1-Dichloroethane
135TMB: 1,3,5-Trimethylbenzene
NPB: n-Propylbenzene
TCE: Trichloroethene
VC: Vinyl Chloride
TCA: 1,1,1-Trichloroethane
IPB: Isopropylbenzene

TABLE 7

GROUNDWATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

Recovery Well FRW-4 VOC Concentrations, micrograms per liter

FRW-4						
Date	**PCE**	**TCE**	**cis12DCE**	**VC**	**TCA**	**Acetone**
ARARs	**5**	**5**	**5**	**2** [1/]	**5**	**NE**
2-Aug-16	3.5	0.50	2.6	ND<0.5	ND<0.5	ND<2
The FRWs were shut down between August 10 and August 13, 2016.						
1-Sep-16	2.2	0.48 J	3.8	ND<0.5	ND<0.5	ND<2
FRW-3 was shut down between September 15 and 16, 2016 and again between September 21 and October 4, 2016						
17-Oct-16	1.6	0.47 J	4.7	ND<0.5	ND<0.5	10
The FRWs were off between October 17 and November 14, 2016						
14-Nov-16	1.9	2.1	**29**	0.33 J	ND<0.5	ND<2
The FRWs were off between November 16 and December 1, 2016						
16-Dec-16	2.0	0.50	**7.8**	ND<0.5	ND<0.5	ND<2
The FRWs were off between December 28 to January 3, 2017 and January 5 to January 9, 2017						
9-Jan-17	**16**	1.8	**6.4**	ND<0.5	0.27 J	ND<2
The FRWs were off between January 23 to February 2, 2017						
2-Feb-17	**5.1**	1.4	**17**	ND<0.5	0.27 J	ND<2
The FRWs were off between February 20 to February 22, 2017						
1-Mar-17	4.0	0.60	2.2	ND<0.5	ND<0.5	ND<2
The FRWs were off between March 24 and March 29, 2017						
7-Apr-17	**7.6**	1.2	2.9	ND<0.5	ND<0.5	1.3
The FRWs were off from April 17 to April 26, 2017 and April 27 to May 1, 2017						
3-May-17	**40**	3.5	**15**	ND<0.5	0.42 J	2.1
1-Jun-17	**8.8**	0.5	2.1	ND<0.5	ND<0.5	ND<2
The FRWs were off from June 7 to June 9 and from June 21 to 23, 2017						
6-Jul-17	0.27 J	ND<0.5	0.28 J	ND<0.5	ND<0.5	1.1
The FRWs were off from July 31 to August 28, 2017						
1-Aug-17 [2/]	0.80	ND<0.5	0.28 J	ND<0.5	ND<0.5	1.6
5-Sep-17	2.7	0.42 J	0.51	ND<0.5	ND<0.5	ND<2
The FRWs were off from September 13 to 19 and from September 27 to October 4, 2017						
4-Oct-17	**9.8**	3.9	4.1	ND<0.5	ND<0.5	ND<2
The FRWs were off from October 11 to October 16, 2017 and October 29 to 31, 2017						
1-Nov-17	3.0	0.32 J	0.78	ND<0.5	ND<0.5	ND<2
The FRWs were off from November 12 to 16, 2017 and November 26 to 27, 2017						
5-Dec-17	**5.1**	ND<0.5	1.0	ND<0.5	ND<0.5	ND<2
The FRWs were off from December 24, 2017 to February 9, 2018						
1-Feb-18	**21.0**	2.5	**7.0**	ND<0.5	0.27 J	2.5
1-Mar-18	3.0	ND<0.5	0.47 J	ND<0.5	ND<0.5	ND<2
The FRWs were off between March 15 and 26, 2018 and March 27 and 29, 2018						
2-Apr-18	3.2	ND<0.5	1.0	ND<0.5	0.32 J	ND<2
The FRWs were off between April 17 and 23, 2018 and April 26 and May 2, 2018						
2-May-18	**19**	ND<0.5	1.1	ND<0.5	ND<0.5	ND<2
The FRWs were off from May 20 to June 5, 2018 and June 18 to 20, 2018						
20-Jun-18	1.4	0.22 J	ND<0.5	ND<0.5	ND<0.5	1.5
2-Jul-18	1.7	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRWs were off from July 2 to September 21, 2018						
28-Aug-18 [3/4/]	ND<0.5	0.45 J	4.95	ND<0.5	ND<0.5	10.3
21-Sep-18	4.21	1.02	1.38	ND<0.5	ND<0.5	ND<2

ARARs - Applicable Relevant and Appropriate Requirements for aquifer restoration established for the Site.

1. NYSDEC ambient water quality standards for these compounds are presented because site-specific ARARs for these compounds were not established.

2. The FP&T system was not operating because of a malfunctioning transfer pump. The FRWs were turned on manually to collect a groundwater sample.

3. Tetrahydrofuran, a common industrial solvent for polyvinyl chloride (PVC) and a component in varnishes, and a popular solvent used in laboratories was detected in the groundwater sample at 308 ug/L. However it was not detected in the laboratory blank or the laboratory duplicates. This is not a compound typically detected in groundwater samples from the site.

4. Other non-target COCs (tert-butyl alcohol, 2-butanone and/or acetone) were detected in the August 28, 2018 sample. For the case of acetone, this is a common laboratory artifact. The detections of the remaining non-target COCs is most likely attributed to collecting the sample that remained in close contact with PVC pipes for an extended time (i.e. from July 2 to August 28, 2018). Other than acetone, non-target COCs were not detected to any significant degree in the groundwater sample collected on September 21, 2018.

J : Analyte detected below quantitation limits, value shown is a laboratory estimate.
B: Method blank contamination, the associated method blank contains the target analyte at a reportable level.
ND: Not detected

Comments:
As of September 1, 2011 the water samples are analyzed by York Analytical Laboratories, Inc. The laboratory typically uses a reporting limit (RL) for water of 5 ug/l for VOC. York reports detections below 0.5 ug/l as an estimated value; these values are below the RL but greater than or equal to the method detection limit (MDL). A value reported below the RL but above the MDL is considered an estimated value and flagged with a "J". The calibration curve was adjusted to a reporting limit of 0.5 ug/l during October 2011.

PCE: Tetrachloroethylene
cis12DCE: cis-1,2-Dichloroethene
TCA: 1,1,1-Trichloroethane
TCE: Trichloroethene
VC: Vinyl Chloride

TABLE 8

GROUNDWATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

Carbon Unit System Air Quality Results

Precarbon			Parameters (mg/m3)													TOTAL
Sample Name	**Date**	**Time**	**PCE**	**TCE**	**TCA**	**DCA**	**cis-DCE**	**trans-DCE**	**Toluene**	**m&p-Xylenes**	**o-Xylene**	**CF**	**MC**	**EB**	**Freon 113**	**VOCs**
AQ040717:1400NP4-1	4/7/2017	14:00	0.0009	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.01
AQ040717:1400NP4-1	7/19/2017	13:45	0.0067	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.01
AQ100417:945NP4-1	10/4/2017	9:45	0.0037	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.01
AQ011718:1430NP4-1	1/17/2018	14:30	0.0042	0.0032	0.0008	ND	0.0020	ND	0.0012	ND	ND	0.0010	0.0220	ND	ND	0.06
AQ040218:1405NP4-1	4/2/2018	14:05	0.0110	0.0003	ND	ND	0.0002	ND	0.0065	ND	ND	ND	ND	ND	ND	0.03
AQ082818:800NP4-1	8/28/2018	8:00	0.0055	ND	ND	ND	ND	ND	0.0034	ND	ND	ND	ND	ND	ND	0.02

Postcarbon			Parameters (mg/m3)													TOTAL
Sample Name	**Date**	**Time**	**PCE**	**TCE**	**TCA**	**DCA**	**cis-DCE**	**trans-DCE**	**Toluene**	**m&p-Xylenes**	**o-Xylene**	**CF**	**MC**	**EB**	**Freon 113**	**VOCs**
AQ040717:1405NP4-3 [1/]	4/7/2017	14:05	0.0007	ND	0.0018	ND	0.0033	ND	ND	ND	ND	ND	0.0032	ND	ND	0.02
AQ040717:1405NP4-3	7/19/2017	13:50	0.0005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.00
AQ100417:945NP4-3	10/4/2017	9:45	0.0028	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.01
AQ011718:1435:NP-3	1/17/2018	14:35	0.0011	ND	ND	ND	0.0003	ND	0.0006	ND	ND	ND	0.0460	ND	ND	0.09
AQ040218:1400NP4-3	4/2/2018	14:00	0.0015	ND	0.0009	ND	0.0027	ND	ND	ND	ND	ND	ND	ND	ND	0.01
AQ082818:205NP4-3	8/28/2018	8:05	0.0062	ND	ND	ND	0.0061	ND	ND	ND	ND	ND	ND	ND	ND	0.01

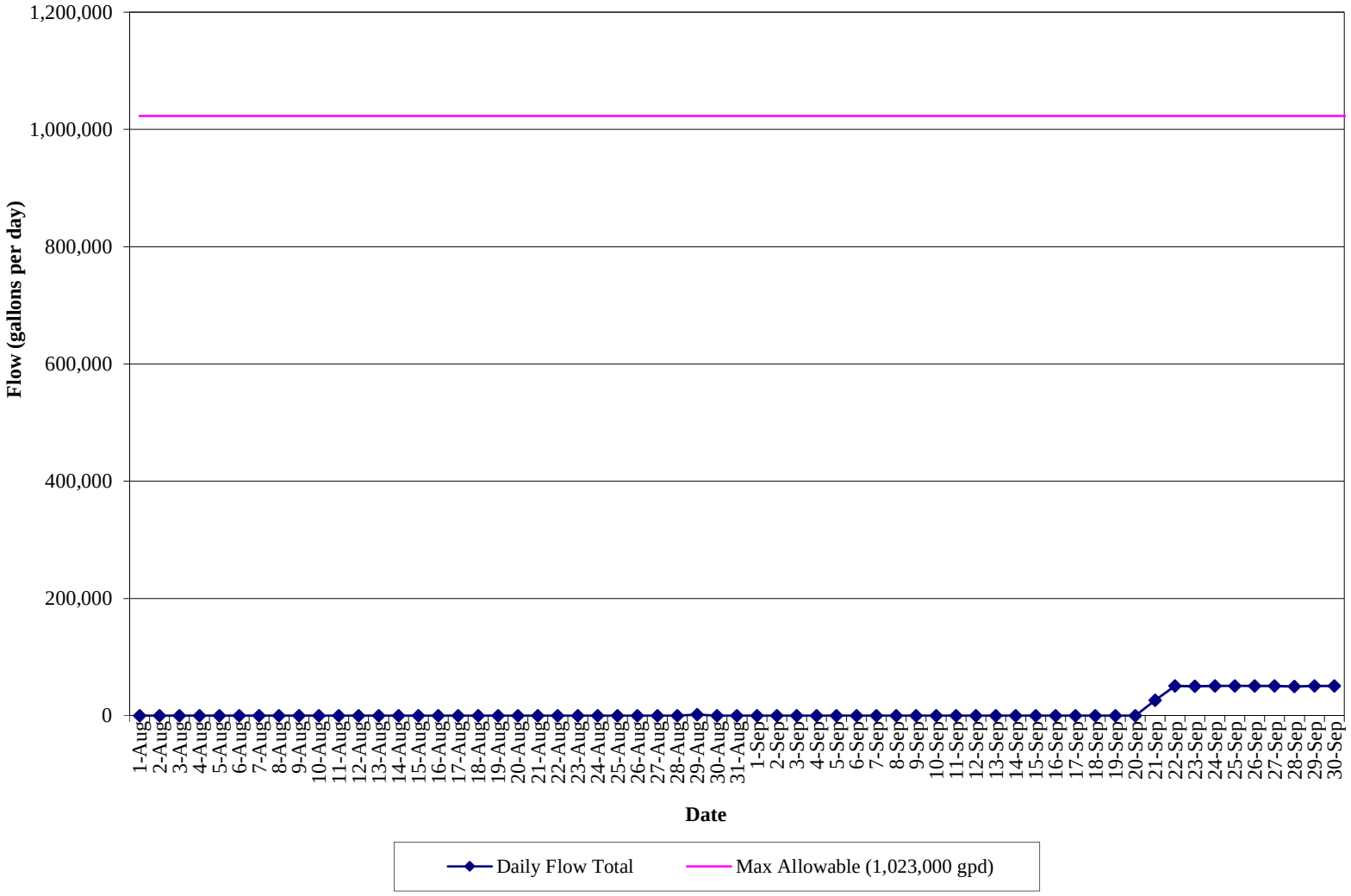
PCE: Tetrachoroethylene TCE: Trichloroethene TCA: 1,1,1-Trichloroethane DCE: 1,1-Dichloroethene
DCA: 1,1-Dichloroethane cis-DCE: cis-1,2-Dichloroethene trans-DCE: trans-1,2-Dichloroethylene CF: Chloroform
MC: Methylene Chloride EB: Ethilbenzene

Note: NA - Not Applicable. Method blank contamination. The associated method blank contains the target analyte at a reportable level.
NS - Not Sampled
ND - Not Detected
B - Method blank contamination, the associated method blank contains the target analyte at a reportable level.
The air quality results summarized above are for the compounds listed in the FSP&T groundwater discharge permit. Low concentrations of additional compounds are accounted for in the Total VOCs column, however, are not listed.
[1/] Sample was inadvertantly misslabled as NP4-2 and is listed as such in the laboratory report and on the Chain of Custody. However, the air sample was collected from the NP4-3 sample port.

GRAPHS

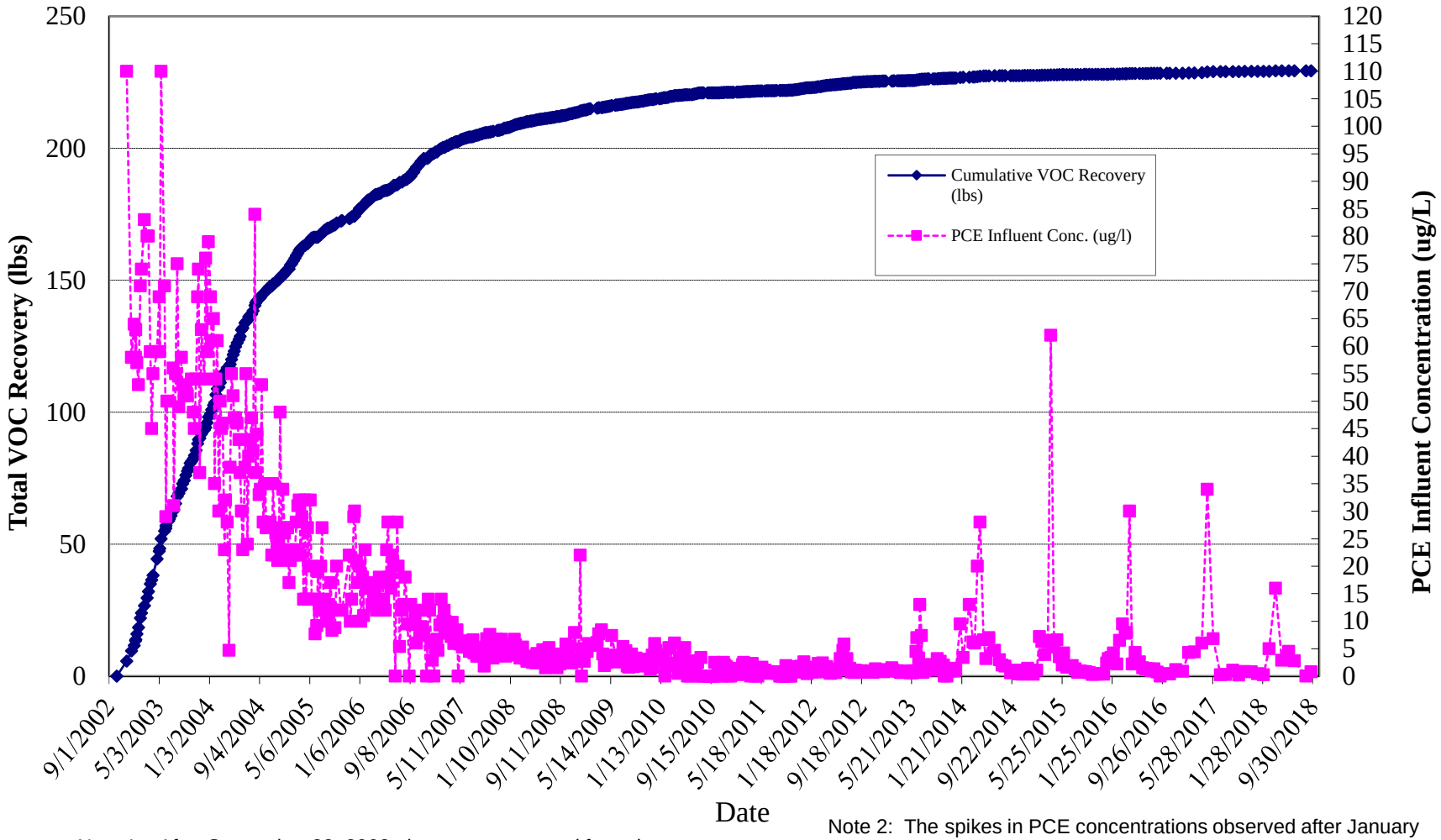
GRAPH 1
GROUNDWATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

Effluent Flow Data
(August 1, 2018 to September 30, 2018)



GRAPH 2
GROUNDWATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

FSP&T System Cumulative VOC Recovery and Influent PCE Concentraions vs. Time



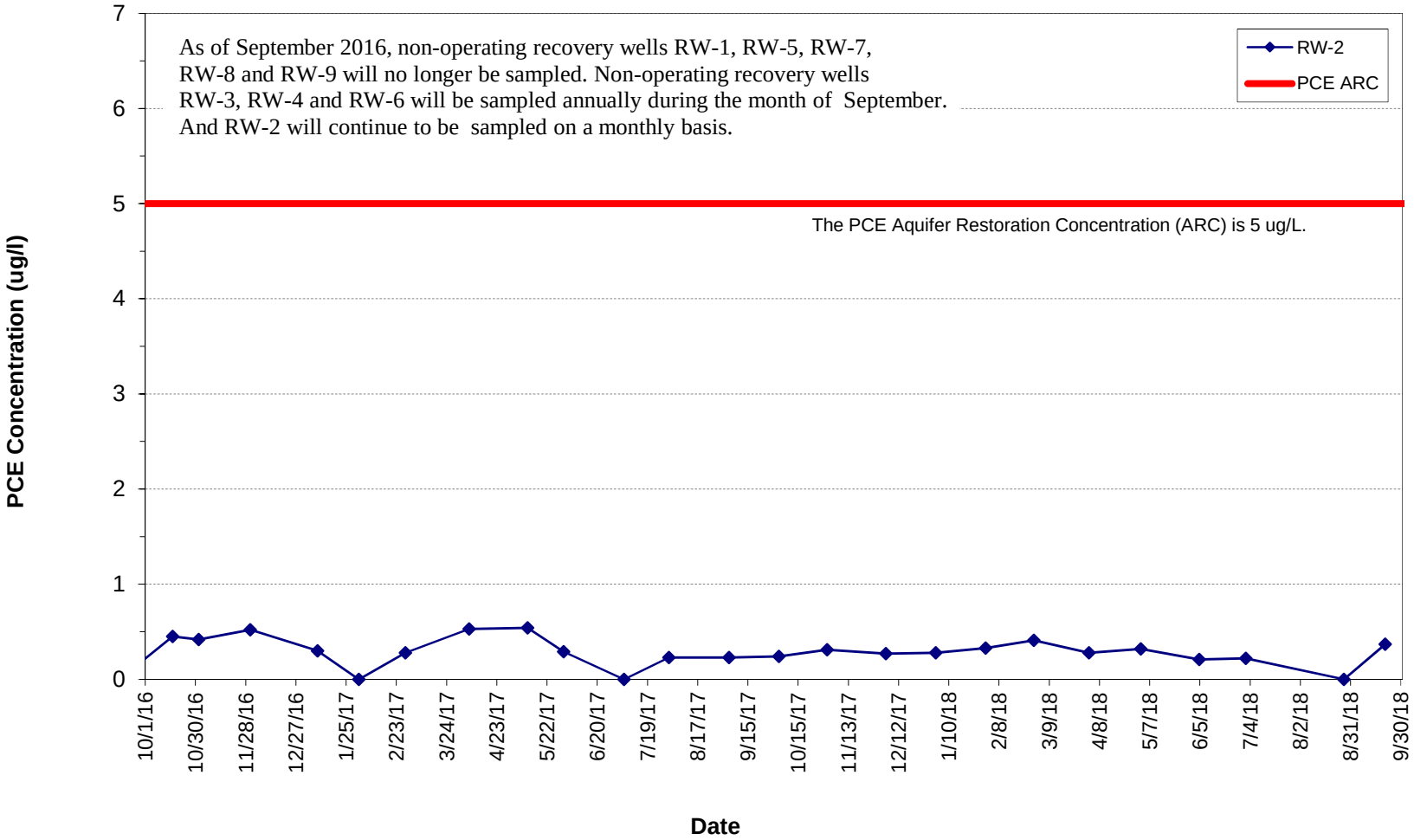
Note 1 : After September 22, 2008, the water recovered from the FP&T System is included in the results shown in this graph.

Note 2: The spikes in PCE concentrations observed after January 2014 coincide with well rehabilitation and annual maintenance events. During well rehabilitation and annual maintenance work, FSP&T system samples are collected when water from the FP&T system is not diluted with water extracted from RW-2.

GRAPH 3

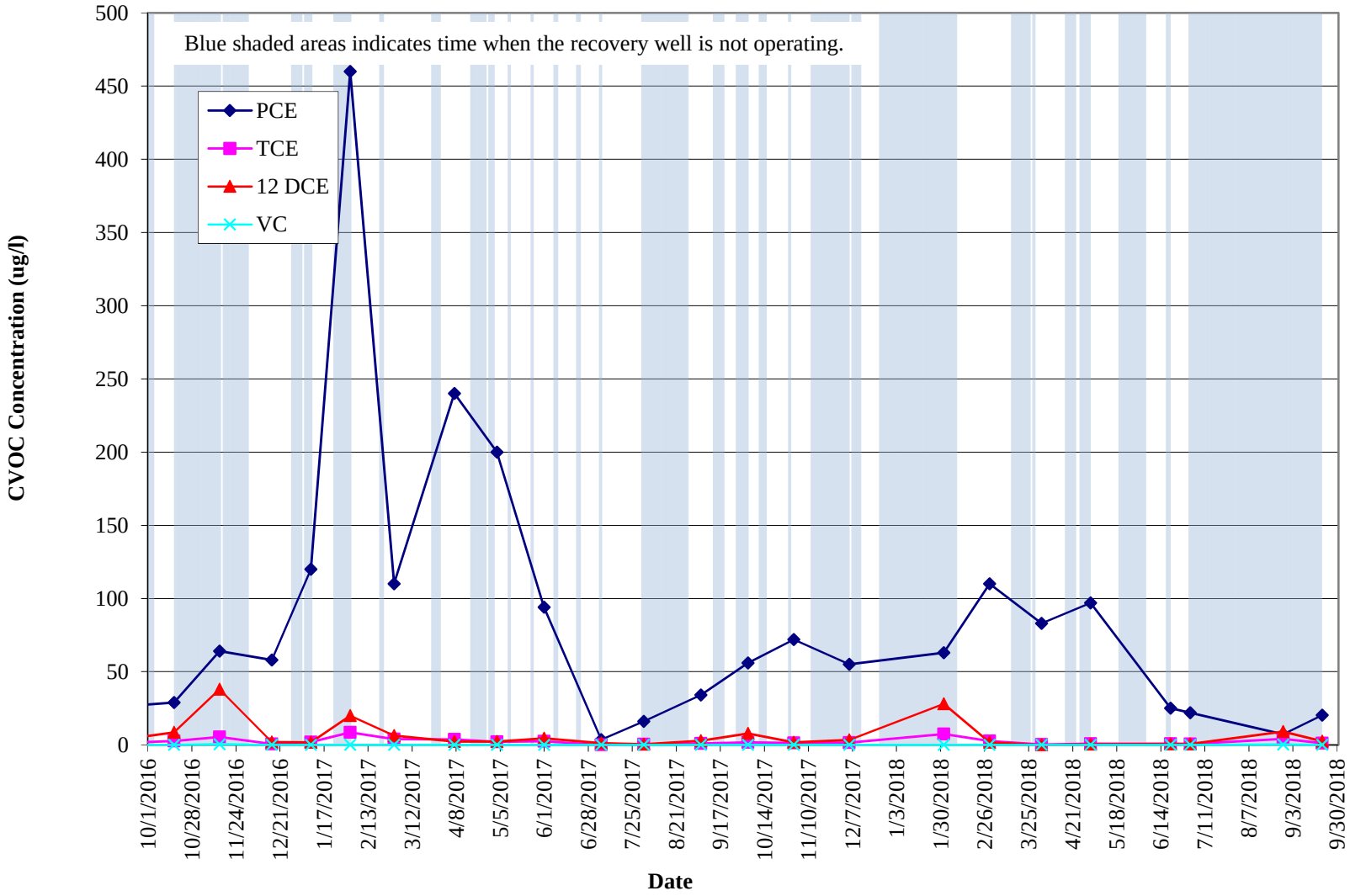
GROUNDWATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

FSP&T Recovery Well PCE Concentration

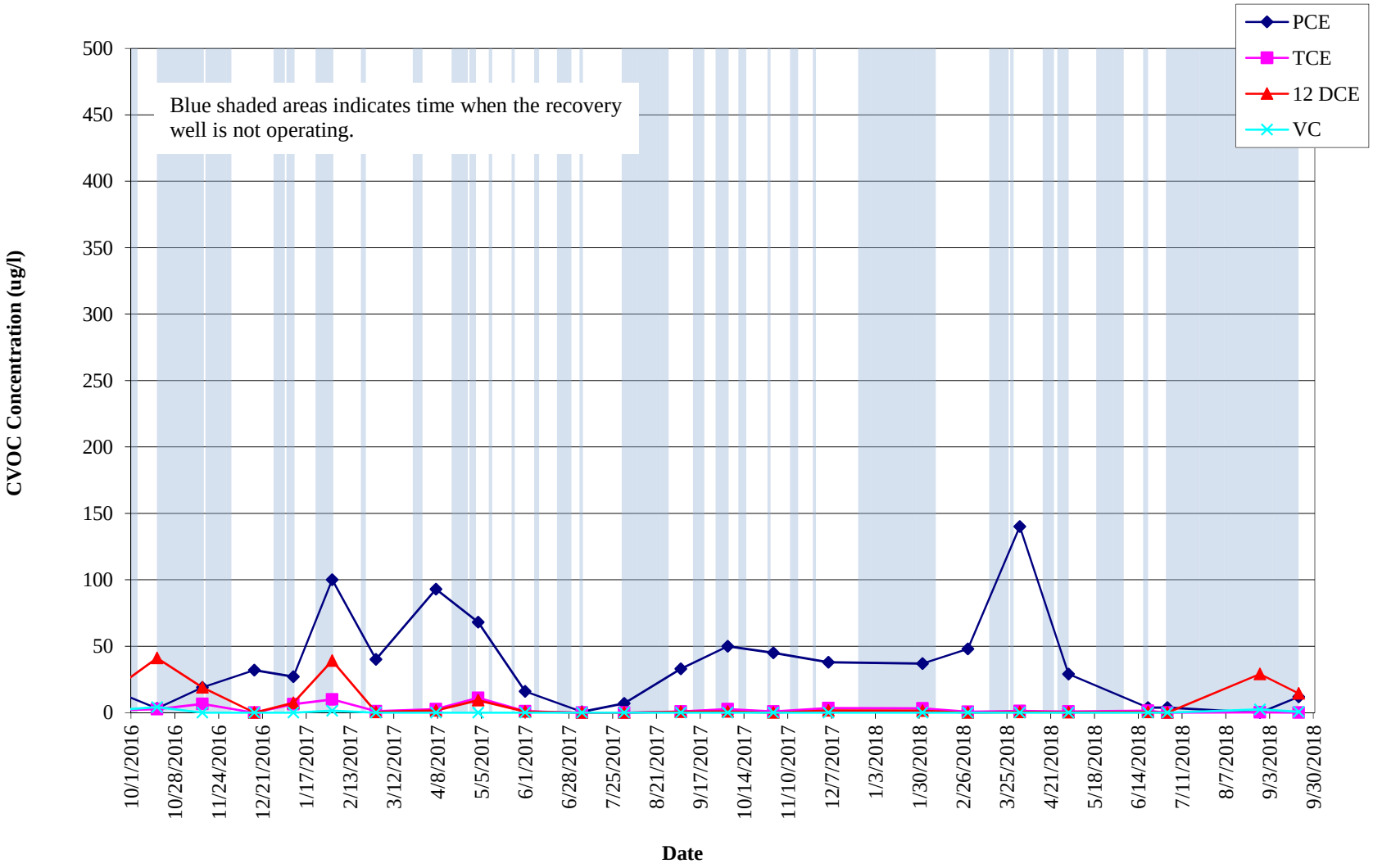


GRAPH 4
GROUNDWATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

FP&T Recovery Well VOC Concentrations for FRW-1

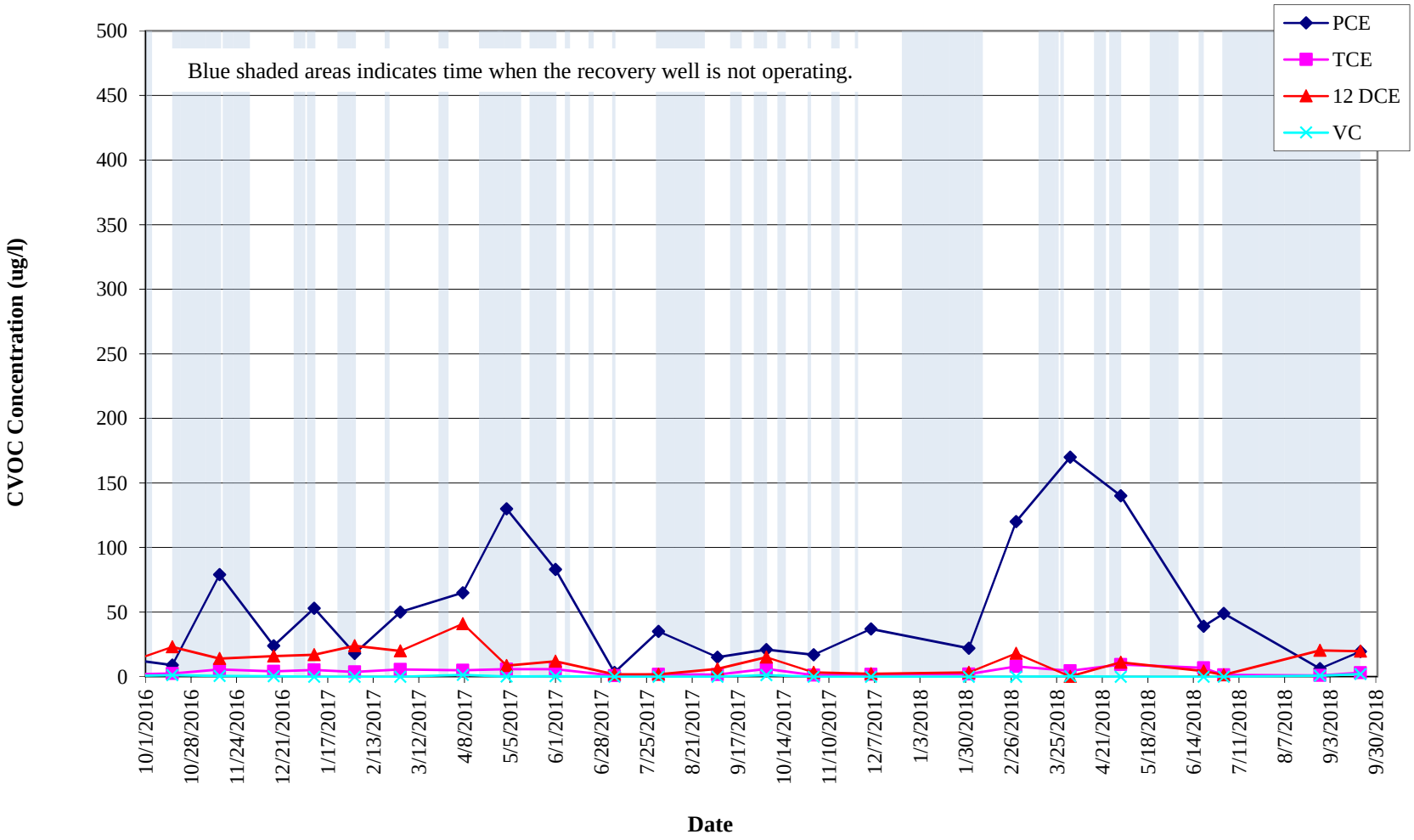


GRAPH 5
GROUNDWATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

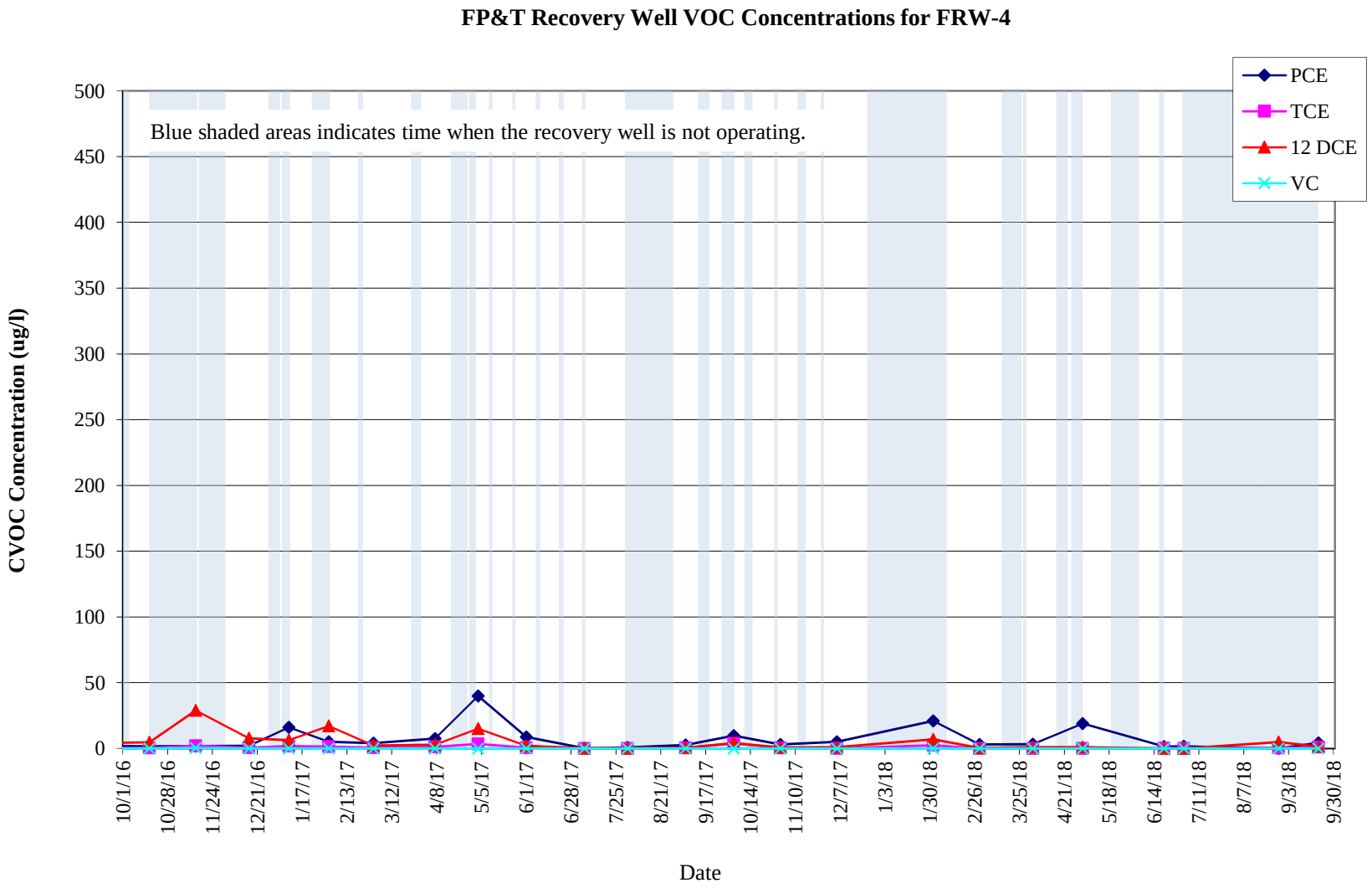


GRAPH 6
GROUNDWATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

FP&T Recovery Well VOC Concentrations for FRW-3



GRAPH 7
GROUNDWATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK



APPENDIX I

AUGUST AND SEPTEMBER 2018 LABORATORY ANALYTICAL REPORTS FOR FSP&T SYSTEM

Technical Report

prepared for:

WSP USA, Inc. (Shelton)
4 Research Drive, Suite 204
Shelton CT, 06484
Attention: Tunde Komuves-Sandor

Report Date: 10/03/2018
Client Project ID: 31401451.000 task 01.00
York Project (SDG) No.: 18I1032

Report Date: 10/03/2018
Client Project ID: 31401451.000 task 01.00
York Project (SDG) No.: 18I1032

WSP USA, Inc. (Shelton)
4 Research Drive, Suite 204
Shelton CT, 06484
Attention: Tunde Komuves-Sandor

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 September 25, 2018 and listed below. The project was identified as your project: **31401451.000 task 01.00**.

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.

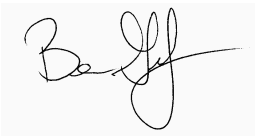
The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

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

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
18I1032-01	WQ092118:1340 NP2-6	Water	09/21/2018	09/25/2018
18I1032-02	WQ092118:1345 NP2-10	Water	09/21/2018	09/25/2018

General Notes for York Project (SDG) No.: 18I1032

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: 

Date: 10/03/2018

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: WQ092118:1340 NP2-6 **York Sample ID:** 18I1032-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18I1032	31401451.000 task 01.00	Water	September 21, 2018 1:40 pm	09/25/2018

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 13:56	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 13:56	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 13:56	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 13:56	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 13:56	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 13:56	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 13:56	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP	09/27/2018 13:56	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 13:56	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 13:56	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 13:56	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 13:56	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 13:56	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 13:56	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 13:56	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 13:56	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 13:56	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 13:56	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 13:56	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 13:56	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 13:56	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 13:56	SS

Sample Information

Client Sample ID: WQ092118:1340 NP2-6 **York Sample ID:** 18I1032-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18I1032	31401451.000 task 01.00	Water	September 21, 2018 1:40 pm	09/25/2018

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 13:56	SS
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 13:56	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 13:56	SS
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	09/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 13:56	SS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 13:56	SS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 13:56	SS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 13:56	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 13:56	SS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 13:56	SS
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 13:56	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 13:56	SS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 13:56	SS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 13:56	SS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 13:56	SS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 13:56	SS
156-59-2	**cis-1,2-Dichloroethylene**	**0.590**		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 13:56	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 13:56	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 13:56	SS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 13:56	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 13:56	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 13:56	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 13:56	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 13:56	SS

Sample Information

Client Sample ID: WQ092118:1340 NP2-6 **York Sample ID:** 18I1032-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18I1032	31401451.000 task 01.00	Water	September 21, 2018 1:40 pm	09/25/2018

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 13:56 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 13:56 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 13:56 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 13:56 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 13:56 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 13:56 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 13:56 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 13:56 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 13:56 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 13:56 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 13:56 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
127-18-4	**Tetrachloroethylene**	**0.810**		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 13:56 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 13:56 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 13:56 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 13:56 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 13:56 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 13:56 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 13:56 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 13:56 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*109 %*	*70-130*
2037-26-5	*Surrogate: Toluene-d8*	*97.2 %*	*70-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*94.7 %*	*70-130*

Sample Information

Client Sample ID: WQ092118:1345 NP2-10 **York Sample ID:** 18I1032-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18I1032	31401451.000 task 01.00	Water	September 21, 2018 1:45 pm	09/25/2018

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 14:28 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 14:28 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 14:28 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 14:28 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 14:28 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 14:28 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 14:28 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 14:28 NELAC-NY10854,NELAC-NY12058,NJDEP	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 14:28 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 14:28 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 14:28 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 14:28 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 14:28 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 14:28 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 14:28 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 14:28 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 14:28 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 14:28 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 14:28 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 14:28 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 14:28 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 14:28 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 14:28 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS

Sample Information

Client Sample ID: WQ092118:1345 NP2-10 **York Sample ID:** 18I1032-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18I1032	31401451.000 task 01.00	Water	September 21, 2018 1:45 pm	09/25/2018

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 14:28	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 14:28	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 14:28	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 14:28	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 14:28	SS NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 14:28	SS NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 14:28	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 14:28	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 14:28	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 14:28	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 14:28	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 14:28	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 14:28	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 14:28	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 14:28	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 14:28	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 14:28	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 14:28	SS NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 14:28	SS NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 14:28	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 14:28	SS NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 14:28	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 14:28	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP

Sample Information

Client Sample ID: WQ092118:1345 NP2-10 | **York Sample ID:** 18I1032-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18I1032	31401451.000 task 01.00	Water	September 21, 2018 1:45 pm	09/25/2018

Volatile Organics, 8260 List - Low Level

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 14:28	SS
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 14:28	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 14:28	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 14:28	SS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/27/2018 07:30	09/27/2018 14:28	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/27/2018 07:30	09/27/2018 14:28	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 14:28	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 14:28	SS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 14:28	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 14:28	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 14:28	SS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 14:28	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 14:28	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 14:28	SS
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 14:28	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 14:28	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 07:30	09/27/2018 14:28	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/27/2018 07:30	09/27/2018 14:28	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*107 %*	*70-130*
2037-26-5	*Surrogate: Toluene-d8*	*97.4 %*	*70-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*93.5 %*	*70-130*

Iron by EPA 200.7

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 200.7

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

Sample Information

Client Sample ID: WQ092118:1345 NP2-10 **York Sample ID:** 18I1032-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18I1032	31401451.000 task 01.00	Water	September 21, 2018 1:45 pm	09/25/2018

Iron by EPA 200.7

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 200.7

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**7.48**		mg/L	0.0200	1	EPA 200.7	09/27/2018 11:42	09/28/2018 17:37	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Iron, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**0.0369**		mg/L	0.0222	1	EPA 6010C	10/02/2018 10:01	10/03/2018 17:00	RB
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Total Dissolved 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
	Total Dissolved Solids	**155**		mg/L	10.0	1	SM 2540C	09/27/2018 21:46	09/27/2018 21:46	AA
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Analytical Batch Summary

Batch ID: BI81358 **Preparation Method:** EPA 5030B **Prepared By:** TAB

YORK Sample ID	Client Sample ID	Preparation Date
18I1032-01	WQ092118:1340 NP2-6	09/27/18
18I1032-02	WQ092118:1345 NP2-10	09/27/18
BI81358-BLK1	Blank	09/27/18
BI81358-BS1	LCS	09/27/18
BI81358-BSD1	LCS Dup	09/27/18

Batch ID: BI81374 **Preparation Method:** EPA 200.7 **Prepared By:** BML

YORK Sample ID	Client Sample ID	Preparation Date
18I1032-02	WQ092118:1345 NP2-10	09/27/18
BI81374-BLK1	Blank	09/27/18
BI81374-BS1	LCS	09/27/18

Batch ID: BI81421 **Preparation Method:** % Solids Prep **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
18I1032-02	WQ092118:1345 NP2-10	09/27/18
BI81421-BLK1	Blank	09/27/18
BI81421-DUP1	Duplicate	09/27/18

Batch ID: BJ80099 **Preparation Method:** EPA 3015A **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
18I1032-02	WQ092118:1345 NP2-10	10/02/18
BJ80099-BLK1	Blank	10/02/18
BJ80099-BS1	LCS	10/02/18

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI81358 - EPA 5030B											
Blank (BI81358-BLK1)											Prepared & Analyzed: 09/27/2018
1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,1-Trichloroethane	ND	0.500	"								
1,1,2,2-Tetrachloroethane	ND	0.500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"								
1,1,2-Trichloroethane	ND	0.500	"								
1,1-Dichloroethane	ND	0.500	"								
1,1-Dichloroethylene	ND	0.500	"								
1,1-Dichloropropylene	ND	0.500	"								
1,2,3-Trichlorobenzene	0.210	0.500	"								
1,2,3-Trichloropropane	ND	0.500	"								
1,2,4-Trichlorobenzene	ND	0.500	"								
1,2,4-Trimethylbenzene	ND	0.500	"								
1,2-Dibromo-3-chloropropane	ND	0.500	"								
1,2-Dibromoethane	ND	0.500	"								
1,2-Dichlorobenzene	ND	0.500	"								
1,2-Dichloroethane	ND	0.500	"								
1,2-Dichloropropane	ND	0.500	"								
1,3,5-Trimethylbenzene	ND	0.500	"								
1,3-Dichlorobenzene	ND	0.500	"								
1,3-Dichloropropane	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
2,2-Dichloropropane	ND	0.500	"								
2-Chlorotoluene	ND	0.500	"								
2-Hexanone	ND	0.500	"								
4-Chlorotoluene	ND	0.500	"								
Acetone	ND	2.00	"								
Benzene	ND	0.500	"								
Bromobenzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								
Bromodichloromethane	ND	0.500	"								
Bromoform	ND	0.500	"								
Bromomethane	ND	0.500	"								
Carbon tetrachloride	ND	0.500	"								
Chlorobenzene	ND	0.500	"								
Chloroethane	ND	0.500	"								
Chloroform	ND	0.500	"								
Chloromethane	ND	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
cis-1,3-Dichloropropylene	ND	0.500	"								
Dibromochloromethane	ND	0.500	"								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								
Ethyl Benzene	ND	0.500	"								
Hexachlorobutadiene	ND	0.500	"								
Isopropylbenzene	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylene chloride	ND	2.00	"								
Naphthalene	ND	2.00	"								
n-Butylbenzene	ND	0.500	"								
n-Propylbenzene	ND	0.500	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI81358 - EPA 5030B											
Blank (BI81358-BLK1)								Prepared & Analyzed: 09/27/2018			
o-Xylene	ND	0.500	ug/L								
p- & m- Xylenes	ND	1.00	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								
Surrogate: 1,2-Dichloroethane-d4	*10.5*		*"*	*10.0*		*105*	*70-130*				
Surrogate: Toluene-d8	*9.71*		*"*	*10.0*		*97.1*	*70-130*				
Surrogate: p-Bromofluorobenzene	*9.32*		*"*	*10.0*		*93.2*	*70-130*				
LCS (BI81358-BS1)								Prepared & Analyzed: 09/27/2018			
1,1,1,2-Tetrachloroethane	10.7		ug/L	10.0		107	82-126			30	
1,1,1-Trichloroethane	11.2		"	10.0		112	70-130			20	
1,1,2,2-Tetrachloroethane	9.33		"	10.0		93.3	70-130			20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.2		"	10.0		112	70-130			20	
1,1,2-Trichloroethane	9.81		"	10.0		98.1	70-130			20	
1,1-Dichloroethane	10.4		"	10.0		104	70-130			20	
1,1-Dichloroethylene	10.2		"	10.0		102	70-130			20	
1,1-Dichloropropylene	10.4		"	10.0		104	83-133			30	
1,2,3-Trichlorobenzene	9.00		"	10.0		90.0	70-130			20	
1,2,3-Trichloropropane	9.59		"	10.0		95.9	77-128			30	
1,2,4-Trichlorobenzene	9.22		"	10.0		92.2	70-130			20	
1,2,4-Trimethylbenzene	9.38		"	10.0		93.8	82-132			20	
1,2-Dibromo-3-chloropropane	8.42		"	10.0		84.2	40-160			20	
1,2-Dibromoethane	10.1		"	10.0		101	70-130			20	
1,2-Dichlorobenzene	9.81		"	10.0		98.1	70-130			20	
1,2-Dichloroethane	11.5		"	10.0		115	70-130			20	
1,2-Dichloropropane	9.13		"	10.0		91.3	70-130			20	
1,3,5-Trimethylbenzene	9.35		"	10.0		93.5	80-131			30	
1,3-Dichlorobenzene	9.76		"	10.0		97.6	70-130			20	
1,3-Dichloropropane	9.77		"	10.0		97.7	81-125			30	
1,4-Dichlorobenzene	9.75		"	10.0		97.5	70-130			20	
2,2-Dichloropropane	11.3		"	10.0		113	56-150			30	
2-Chlorotoluene	9.41		"	10.0		94.1	79-130			30	
2-Hexanone	9.37		"	10.0		93.7	40-160			20	
4-Chlorotoluene	9.29		"	10.0		92.9	79-128			30	
Acetone	10.7		"	10.0		107	40-160			20	
Benzene	11.0		"	10.0		110	70-130			20	
Bromobenzene	8.93		"	10.0		89.3	78-129			30	
Bromochloromethane	10.6		"	10.0		106	70-130			20	
Bromodichloromethane	9.95		"	10.0		99.5	70-130			20	
Bromoform	10.2		"	10.0		102	70-130			20	
Bromomethane	3.35		"	10.0		33.5	40-160	Low Bias		20	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI81358 - EPA 5030B											
LCS (BI81358-BS1)								Prepared & Analyzed: 09/27/2018			
Carbon tetrachloride	11.6		ug/L	10.0		116	70-130			20	
Chlorobenzene	10.2		"	10.0		102	70-130			20	
Chloroethane	11.3		"	10.0		113	40-160			20	
Chloroform	11.1		"	10.0		111	70-130			20	
Chloromethane	8.40		"	10.0		84.0	40-160			20	
cis-1,2-Dichloroethylene	10.6		"	10.0		106	70-130			20	
cis-1,3-Dichloropropylene	9.55		"	10.0		95.5	70-130			20	
Dibromochloromethane	10.4		"	10.0		104	70-130			20	
Dibromomethane	9.89		"	10.0		98.9	72-134			30	
Dichlorodifluoromethane	16.5		"	10.0		165	40-160	High Bias		20	
Ethyl Benzene	10.1		"	10.0		101	70-130			20	
Hexachlorobutadiene	9.75		"	10.0		97.5	67-146			30	
Isopropylbenzene	9.14		"	10.0		91.4	70-130			20	
Methyl tert-butyl ether (MTBE)	11.2		"	10.0		112	70-130			20	
Methylene chloride	9.66		"	10.0		96.6	70-130			20	
Naphthalene	8.55		"	10.0		85.5	70-147			30	
n-Butylbenzene	9.67		"	10.0		96.7	79-132			30	
n-Propylbenzene	9.23		"	10.0		92.3	78-133			30	
o-Xylene	10.2		"	10.0		102	70-130			20	
p- & m- Xylenes	17.3		"	20.0		86.4	70-130			20	
p-Isopropyltoluene	9.72		"	10.0		97.2	81-136			30	
sec-Butylbenzene	9.85		"	10.0		98.5	79-137			30	
Styrene	10.2		"	10.0		102	70-130			20	
tert-Butylbenzene	9.62		"	10.0		96.2	77-138			30	
Tetrachloroethylene	7.90		"	10.0		79.0	70-130			20	
Toluene	10.2		"	10.0		102	70-130			20	
trans-1,2-Dichloroethylene	10.2		"	10.0		102	70-130			20	
trans-1,3-Dichloropropylene	9.41		"	10.0		94.1	70-130			20	
Trichloroethylene	9.43		"	10.0		94.3	70-130			20	
Trichlorofluoromethane	13.4		"	10.0		134	40-160			20	
Vinyl Chloride	11.5		"	10.0		115	70-130			20	
Surrogate: 1,2-Dichloroethane-d4	*10.8*		*"*	*10.0*		*108*	*70-130*				
Surrogate: Toluene-d8	*9.70*		*"*	*10.0*		*97.0*	*70-130*				
Surrogate: p-Bromofluorobenzene	*9.07*		*"*	*10.0*		*90.7*	*70-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BI81358 - EPA 5030B

LCS Dup (BI81358-BSD1) Prepared & Analyzed: 09/27/2018

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1,1,2-Tetrachloroethane	10.8		ug/L	10.0		108	82-126		1.21	30	
1,1,1-Trichloroethane	11.5		"	10.0		115	70-130		2.65	20	
1,1,2,2-Tetrachloroethane	9.28		"	10.0		92.8	70-130		0.537	20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.7		"	10.0		117	70-130		4.81	20	
1,1,2-Trichloroethane	9.74		"	10.0		97.4	70-130		0.716	20	
1,1-Dichloroethane	10.6		"	10.0		106	70-130		1.99	20	
1,1-Dichloroethylene	10.5		"	10.0		105	70-130		2.81	20	
1,1-Dichloropropylene	10.7		"	10.0		107	83-133		2.93	30	
1,2,3-Trichlorobenzene	9.57		"	10.0		95.7	70-130		6.14	20	
1,2,3-Trichloropropane	9.48		"	10.0		94.8	77-128		1.15	30	
1,2,4-Trichlorobenzene	9.55		"	10.0		95.5	70-130		3.52	20	
1,2,4-Trimethylbenzene	9.48		"	10.0		94.8	82-132		1.06	20	
1,2-Dibromo-3-chloropropane	8.45		"	10.0		84.5	40-160		0.356	20	
1,2-Dibromoethane	10.0		"	10.0		100	70-130		0.398	20	
1,2-Dichlorobenzene	9.94		"	10.0		99.4	70-130		1.32	20	
1,2-Dichloroethane	11.6		"	10.0		116	70-130		0.693	20	
1,2-Dichloropropane	9.15		"	10.0		91.5	70-130		0.219	20	
1,3,5-Trimethylbenzene	9.52		"	10.0		95.2	80-131		1.80	30	
1,3-Dichlorobenzene	9.90		"	10.0		99.0	70-130		1.42	20	
1,3-Dichloropropane	9.76		"	10.0		97.6	81-125		0.102	30	
1,4-Dichlorobenzene	9.80		"	10.0		98.0	70-130		0.512	20	
2,2-Dichloropropane	11.4		"	10.0		114	56-150		1.23	30	
2-Chlorotoluene	9.54		"	10.0		95.4	79-130		1.37	30	
2-Hexanone	9.52		"	10.0		95.2	40-160		1.59	20	
4-Chlorotoluene	9.37		"	10.0		93.7	79-128		0.857	30	
Acetone	12.2		"	10.0		122	40-160		13.4	20	
Benzene	11.2		"	10.0		112	70-130		1.72	20	
Bromobenzene	8.99		"	10.0		89.9	78-129		0.670	30	
Bromochloromethane	10.6		"	10.0		106	70-130		0.849	20	
Bromodichloromethane	9.99		"	10.0		99.9	70-130		0.401	20	
Bromoform	10.1		"	10.0		101	70-130		0.981	20	
Bromomethane	3.79		"	10.0		37.9	40-160	Low Bias	12.3	20	
Carbon tetrachloride	11.9		"	10.0		119	70-130		3.23	20	
Chlorobenzene	10.3		"	10.0		103	70-130		1.07	20	
Chloroethane	11.5		"	10.0		115	40-160		1.31	20	
Chloroform	11.2		"	10.0		112	70-130		1.17	20	
Chloromethane	8.56		"	10.0		85.6	40-160		1.89	20	
cis-1,2-Dichloroethylene	10.8		"	10.0		108	70-130		1.78	20	
cis-1,3-Dichloropropylene	9.61		"	10.0		96.1	70-130		0.626	20	
Dibromochloromethane	10.4		"	10.0		104	70-130		0.00	20	
Dibromomethane	9.81		"	10.0		98.1	72-134		0.812	30	
Dichlorodifluoromethane	17.2		"	10.0		172	40-160	High Bias	4.04	20	
Ethyl Benzene	10.3		"	10.0		103	70-130		1.66	20	
Hexachlorobutadiene	9.82		"	10.0		98.2	67-146		0.715	30	
Isopropylbenzene	9.41		"	10.0		94.1	70-130		2.91	20	
Methyl tert-butyl ether (MTBE)	11.2		"	10.0		112	70-130		0.714	20	
Methylene chloride	9.75		"	10.0		97.5	70-130		0.927	20	
Naphthalene	8.99		"	10.0		89.9	70-147		5.02	30	
n-Butylbenzene	9.07		"	10.0		90.7	79-132		6.40	30	
n-Propylbenzene	9.45		"	10.0		94.5	78-133		2.36	30	
o-Xylene	10.3		"	10.0		103	70-130		1.17	20	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI81358 - EPA 5030B											
LCS Dup (BI81358-BSD1)								Prepared & Analyzed: 09/27/2018			
p- & m- Xylenes	17.5		ug/L	20.0		87.5	70-130		1.32	20	
p-Isopropyltoluene	9.89		"	10.0		98.9	81-136		1.73	30	
sec-Butylbenzene	10.1		"	10.0		101	79-137		2.11	30	
Styrene	10.3		"	10.0		103	70-130		0.780	20	
tert-Butylbenzene	9.81		"	10.0		98.1	77-138		1.96	30	
Tetrachloroethylene	8.08		"	10.0		80.8	70-130		2.25	20	
Toluene	10.3		"	10.0		103	70-130		0.974	20	
trans-1,2-Dichloroethylene	10.4		"	10.0		104	70-130		1.36	20	
trans-1,3-Dichloropropylene	9.36		"	10.0		93.6	70-130		0.533	20	
Trichloroethylene	9.66		"	10.0		96.6	70-130		2.41	20	
Trichlorofluoromethane	13.9		"	10.0		139	40-160		4.11	20	
Vinyl Chloride	11.9		"	10.0		119	70-130		3.33	20	
Surrogate: 1,2-Dichloroethane-d4	*10.7*		*"*	*10.0*		*107*	*70-130*				
Surrogate: Toluene-d8	*9.67*		*"*	*10.0*		*96.7*	*70-130*				
Surrogate: p-Bromofluorobenzene	*9.12*		*"*	*10.0*		*91.2*	*70-130*				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI81374 - EPA 200.7											
Blank (BI81374-BLK1)										Prepared: 09/27/2018 Analyzed: 09/28/2018	
Iron	ND	0.0200	mg/L								
LCS (BI81374-BS1)										Prepared: 09/27/2018 Analyzed: 09/28/2018	
Iron	0.995		ug/mL	1.00		99.5	85-115				
Batch BJ80099 - EPA 3015A											
Blank (BJ80099-BLK1)										Prepared: 10/02/2018 Analyzed: 10/03/2018	
Iron - Dissolved	ND	0.0222	mg/L								
LCS (BJ80099-BS1)										Prepared: 10/02/2018 Analyzed: 10/03/2018	
Iron - Dissolved	1.07		ug/mL	1.00		107	80-120				

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI81421 - % Solids Prep											
Blank (BI81421-BLK1)									Prepared & Analyzed: 09/27/2018		
Total Dissolved Solids	ND	10.0	mg/L								
Duplicate (BI81421-DUP1)	*Source sample: 18I1032-02 (WQ092118:1345 NP2-10)								Prepared & Analyzed: 09/27/2018		
Total Dissolved Solids	150	10.0	mg/L		155				3.28	15	

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
18I1032-01	WQ092118:1340 NP2-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18I1032-02	WQ092118:1345 NP2-10	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Sample and Data Qualifiers Relating to This Work Order

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.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

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

Field Chain-of-Custody Record

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

York Project No. 18I1032

YOUR Information	Report to:	Invoice To:	Your Project ID	Turn-Around Time	Report/Deliverable Type
Company: WSP USA	SAME [X]	SAME [X]	31401451.000 task 01.00	RUSH-Same Day	Summary Report X, PDF
Address: 4 Research Drive	Name:	Name:		RUSH-Next Day	QA Report X, PDF
Suite 301, Shelton CT 06484	Company:	Company:	Purchase Order #	RUSH-Two Day	CT RCP
Phone.: 203.929.8555	Address:	Address:	31401451.000 task 01.00	RUSH-Three Day	CT RCP DQA/DUE Pkg
Contact: Tunde Sandor				RUSH-Four Day	NY ASP A Package
E-mail: tunde.sandor@wsp.com		E-mail	Samples from CT__NY x_NJ__	Standard (5-7day) X	NY ASP B Package X, PDF
					NJDEP Reduced Deliv
					Excel X
					NYSDEC EQuIS
					NJDEP SRP HazSite
					EQuIS
					GIS/KEY (std)
					YORK Regulatory Comp Excel compared to:
					OTHER:

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

Samples Collected/Authorized By (Signature)

Evan Foster

Name (printed)

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

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.
624	Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part360-Routine
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part360-Baseline
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part360-Expanded No Dioxin/Furans
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part360-Expanded Full List
Halog.only	NJDEP list	App. IX	Chlordane	Indiv. Metals	Air TICs	NYCDEP Sewer
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM

Sample Identification	Date+Time Sampled	Matrix	Analysis Requested (List above includes common analysis)	Container Description
WQ092118:1340 NP2-6	9-21-18 1340	GW	VOCs 8260 full plus freon 113	3 voa's
↓ 1345 NP2-10	↓ 1345	GW	Fe by EPA 200.7; Fe dissolved by EPA 6010; VOCs 8260 full plus freon 113; TDS	3 voa's, 3 plastic

Comments:

(system)

Preservation (check all applicable): 4°C ___ Frozen ___ HCl ✓ MeOH ___ HNO_3 ___ H_2SO_4 ✓ NaOH ___ ZnAc ___ Ascorbic Acid ___ Other ___

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Samples Relinquished By	Date/Time 9/25/18 1210	Samples Received By	Date/Time 9/25/18 9:16
Samples Relinquished By	Date/Time	Samples Received in LAB by	Date/Time 9-25-18 1319

Temperature on Receipt 0.7 °C

Technical Report

prepared for:

WSP USA, Inc. (Shelton)
4 Research Drive, Suite 204
Shelton CT, 06484
Attention: Tunde Komuves-Sandor

Report Date: 09/10/2018
Client Project ID: 31401451.000 task 01.00
York Project (SDG) No.: 18H1387

Report Date: 09/10/2018
Client Project ID: 31401451.000 task 01.00
York Project (SDG) No.: 18H1387

WSP USA, Inc. (Shelton)
4 Research Drive, Suite 204
Shelton CT, 06484
Attention: Tunde Komuves-Sandor

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 August 30, 2018 and listed below. The project was identified as your project: **31401451.000 task 01.00**.

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.

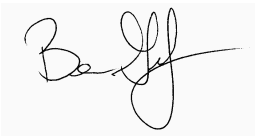
The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

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

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
18H1387-01	WQ082818:840 NP2-6	Water	08/28/2018	08/30/2018
18H1387-02	WQ082818:845 NP2-10	Water	08/28/2018	08/30/2018

General Notes for York Project (SDG) No.: 18H1387

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: 

Date: 09/10/2018

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: WQ082818:840 NP2-6 **York Sample ID:** 18H1387-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H1387	31401451.000 task 01.00	Water	August 28, 2018 8:40 am	08/30/2018

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:01	RDS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:01	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:01	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:01	RDS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:01	RDS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:01	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:01	RDS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP	09/04/2018 15:01	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:01	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:01	RDS
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:01	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:01	RDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:01	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:01	RDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:01	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:01	RDS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:01	RDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:01	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:01	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:01	RDS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:01	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:01	RDS

Sample Information

Client Sample ID: WQ082818:840 NP2-6 **York Sample ID:** 18H1387-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H1387	31401451.000 task 01.00	Water	August 28, 2018 8:40 am	08/30/2018

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications:	09/04/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:01	RDS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:01	RDS
78-93-3	**2-Butanone**	**0.210**		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:01	RDS
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:01	RDS
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:01	RDS
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:01	RDS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:01	RDS
67-64-1	**Acetone**	**2.13**	ICV-E	ug/L	1.00	2.00	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:01	RDS
107-02-8	Acrolein	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:01	RDS
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:01	RDS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:01	RDS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:01	RDS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:01	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:01	RDS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:01	RDS
74-83-9	Bromomethane	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:01	RDS
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:01	RDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:01	RDS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:01	RDS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:01	RDS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:01	RDS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:01	RDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:01	RDS

Sample Information

Client Sample ID: WQ082818:840 NP2-6 **York Sample ID:** 18H1387-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H1387	31401451.000 task 01.00	Water	August 28, 2018 8:40 am	08/30/2018

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:01 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:01 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:01 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
108-20-3	Diisopropyl ether (DIPE)	ND		ug/L	0.400	0.800	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:01 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
637-92-3	Ethyl tert-butyl ether (ETBE)	ND		ug/L	0.400	0.800	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:01 NELAC-NY10854,NELAC-NY12058,NJDEP	RDS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:01 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
74-88-4	* Iodomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:01	RDS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:01 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
80-62-6	Methyl Methacrylate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:01 NELAC-NY10854,NELAC-NY12058,NJDEP	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:01 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:01 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:01 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:01 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	RDS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:01 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	RDS
105-05-5	* p-Diethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:01	RDS
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:01	RDS

Sample Information

Client Sample ID: WQ082818:840 NP2-6 **York Sample ID:** 18H1387-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H1387	31401451.000 task 01.00	Water	August 28, 2018 8:40 am	08/30/2018

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:01	RDS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:01	RDS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:01	RDS
75-85-4	tert-Amyl alcohol (TAA)	ND		ug/L	4.00	8.00	1	EPA 8260C Certifications:	09/04/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:01	RDS
994-05-8	tert-Amyl methyl ether (TAME)	ND		ug/L	0.400	0.800	1	EPA 8260C Certifications:	09/04/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:01	RDS
75-65-0	**tert-Butyl alcohol (TBA)**	**1.52**	CCV-E	ug/L	0.500	1.00	1	EPA 8260C Certifications:	09/04/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:01	RDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:01	RDS
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:01	RDS
109-99-9	*** Tetrahydrofuran**	**4.73**		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:01	RDS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:01	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:01	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:01	RDS
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:01	RDS
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:01	RDS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:01	RDS
108-05-4	Vinyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:01	RDS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:01	RDS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/04/2018 15:01	RDS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*110 %*	*70-130*
2037-26-5	*Surrogate: Toluene-d8*	*92.0 %*	*70-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*92.5 %*	*70-130*

Sample Information

Client Sample ID: WQ082818:845 NP2-10 **York Sample ID:** 18H1387-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H1387	31401451.000 task 01.00	Water	August 28, 2018 8:45 am	08/30/2018

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:30 NELAC-NY10854,NELAC-NY12058,NJDEP	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:30	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS

Sample Information

Client Sample ID: WQ082818:845 NP2-10 **York Sample ID:** 18H1387-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H1387	31401451.000 task 01.00	Water	August 28, 2018 8:45 am	08/30/2018

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:30	RDS
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:30	RDS
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:30	RDS
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:30	RDS
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:30	RDS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:30	RDS
67-64-1	**Acetone**	**1.62**	ICV-E	ug/L	1.00	2.00	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:30	RDS
107-02-8	Acrolein	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:30	RDS
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:30	RDS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:30	RDS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:30	RDS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:30	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:30	RDS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:30	RDS
74-83-9	Bromomethane	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:30	RDS
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:30	RDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:30	RDS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:30	RDS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:30	RDS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:30	RDS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:30	RDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:30	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:30	RDS

Sample Information

Client Sample ID: WQ082818:845 NP2-10 **York Sample ID:** 18H1387-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H1387	31401451.000 task 01.00	Water	August 28, 2018 8:45 am	08/30/2018

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:30	RDS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:30	RDS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:30	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:30	RDS
108-20-3	Diisopropyl ether (DIPE)	ND		ug/L	0.400	0.800	1	EPA 8260C Certifications:	09/04/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:30	RDS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:30	RDS
637-92-3	Ethyl tert-butyl ether (ETBE)	ND		ug/L	0.400	0.800	1	EPA 8260C Certifications:	09/04/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP	09/04/2018 15:30	RDS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:30	RDS
74-88-4	* Iodomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:30	RDS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:30	RDS
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:30	RDS
80-62-6	Methyl Methacrylate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP	09/04/2018 15:30	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:30	RDS
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:30	RDS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:30	RDS
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	09/04/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:30	RDS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:30	RDS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:30	RDS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/04/2018 15:30	RDS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/04/2018 15:30	RDS
105-05-5	* p-Diethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:30	RDS
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:30	RDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:30	RDS

Sample Information

Client Sample ID: WQ082818:845 NP2-10 **York Sample ID:** 18H1387-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H1387	31401451.000 task 01.00	Water	August 28, 2018 8:45 am	08/30/2018

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:30	RDS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:30	RDS
75-85-4	tert-Amyl alcohol (TAA)	ND		ug/L	4.00	8.00	1	EPA 8260C Certifications:	09/04/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:30	RDS
994-05-8	tert-Amyl methyl ether (TAME)	ND		ug/L	0.400	0.800	1	EPA 8260C Certifications:	09/04/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:30	RDS
75-65-0	**tert-Butyl alcohol (TBA)**	**1.05**	CCV-E	ug/L	0.500	1.00	1	EPA 8260C Certifications:	09/04/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:30	RDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:30	RDS
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:30	RDS
109-99-9	*** Tetrahydrofuran**	**95.4**		ug/L	1.00	2.50	5	EPA 8260C Certifications:	09/04/2018 07:30	09/05/2018 17:29	SS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:30	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:30	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:30	RDS
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:30	RDS
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:30	RDS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:30	RDS
108-05-4	Vinyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:30	RDS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:30	RDS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/04/2018 15:30	RDS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*109 %*	*70-130*
2037-26-5	*Surrogate: Toluene-d8*	*91.7 %*	*70-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*93.1 %*	*70-130*

Iron by EPA 200.7

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 200.7

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**0.124**		mg/L	0.0222	1	EPA 200.7 Certifications:	09/05/2018 11:02 CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 14:04	KML

Sample Information

Client Sample ID: WQ082818:845 NP2-10 **York Sample ID:** 18H1387-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H1387	31401451.000 task 01.00	Water	August 28, 2018 8:45 am	08/30/2018

Iron, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**0.125**	B	mg/L	0.0222	1	EPA 6010C	09/07/2018 09:47	09/07/2018 17:53	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Analytical Batch Summary

Batch ID: BI80009 **Preparation Method:** EPA 5030B **Prepared By:** RDS

YORK Sample ID	Client Sample ID	Preparation Date
18H1387-01	WQ082818:840 NP2-6	09/04/18
18H1387-02	WQ082818:845 NP2-10	09/04/18
BI80009-BLK1	Blank	09/04/18
BI80009-BS1	LCS	09/04/18
BI80009-BSD1	LCS Dup	09/04/18

Batch ID: BI80068 **Preparation Method:** EPA 5030B **Prepared By:** RDS

YORK Sample ID	Client Sample ID	Preparation Date
18H1387-02RE1	WQ082818:845 NP2-10	09/04/18
BI80068-BLK1	Blank	09/05/18
BI80068-BS1	LCS	09/05/18
BI80068-BSD1	LCS Dup	09/05/18

Batch ID: BI80094 **Preparation Method:** EPA 200.7 **Prepared By:** BML

YORK Sample ID	Client Sample ID	Preparation Date
18H1387-02	WQ082818:845 NP2-10	09/05/18
BI80094-BLK1	Blank	09/05/18
BI80094-BS1	LCS	09/05/18

Batch ID: BI80258 **Preparation Method:** EPA 3015A **Prepared By:** BML

YORK Sample ID	Client Sample ID	Preparation Date
18H1387-02	WQ082818:845 NP2-10	09/07/18
BI80258-BLK1	Blank	09/07/18
BI80258-BS1	LCS	09/07/18

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI80009 - EPA 5030B											
Blank (BI80009-BLK1)									Prepared & Analyzed: 09/04/2018		
1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,1-Trichloroethane	ND	0.500	"								
1,1,2,2-Tetrachloroethane	ND	0.500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"								
1,1,2-Trichloroethane	ND	0.500	"								
1,1-Dichloroethane	ND	0.500	"								
1,1-Dichloroethylene	ND	0.500	"								
1,1-Dichloropropylene	ND	0.500	"								
1,2,3-Trichlorobenzene	ND	0.500	"								
1,2,3-Trichloropropane	ND	0.500	"								
1,2,4,5-Tetramethylbenzene	ND	0.500	"								
1,2,4-Trichlorobenzene	ND	0.500	"								
1,2,4-Trimethylbenzene	ND	0.500	"								
1,2-Dibromo-3-chloropropane	ND	0.500	"								
1,2-Dibromoethane	ND	0.500	"								
1,2-Dichlorobenzene	ND	0.500	"								
1,2-Dichloroethane	ND	0.500	"								
1,2-Dichloropropane	ND	0.500	"								
1,3,5-Trimethylbenzene	ND	0.500	"								
1,3-Dichlorobenzene	ND	0.500	"								
1,3-Dichloropropane	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
1,4-Dioxane	ND	80.0	"								
2,2-Dichloropropane	ND	0.500	"								
2-Butanone	ND	0.500	"								
2-Chlorotoluene	ND	0.500	"								
2-Hexanone	ND	0.500	"								
4-Chlorotoluene	ND	0.500	"								
4-Methyl-2-pentanone	ND	0.500	"								
Acetone	ND	2.00	"								
Acrolein	ND	2.00	"								
Acrylonitrile	ND	0.500	"								
Benzene	ND	0.500	"								
Bromobenzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								
Bromodichloromethane	ND	0.500	"								
Bromoform	ND	0.500	"								
Bromomethane	ND	2.00	"								
Carbon disulfide	ND	0.500	"								
Carbon tetrachloride	ND	0.500	"								
Chlorobenzene	ND	0.500	"								
Chloroethane	ND	0.500	"								
Chloroform	ND	0.500	"								
Chloromethane	ND	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
cis-1,3-Dichloropropylene	ND	0.500	"								
Cyclohexane	ND	0.500	"								
Dibromochloromethane	ND	0.500	"								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI80009 - EPA 5030B											
Blank (BI80009-BLK1)											
Prepared & Analyzed: 09/04/2018											
Diisopropyl ether (DIPE)	ND	0.800	ug/L								
Ethyl Benzene	ND	0.500	"								
Ethyl tert-butyl ether (ETBE)	ND	0.800	"								
Hexachlorobutadiene	ND	0.500	"								
Iodomethane	ND	0.500	"								
Isopropylbenzene	ND	0.500	"								
Methyl acetate	ND	0.500	"								
Methyl Methacrylate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylcyclohexane	ND	0.500	"								
Methylene chloride	ND	2.00	"								
Naphthalene	ND	2.00	"								
n-Butylbenzene	ND	0.500	"								
n-Propylbenzene	ND	0.500	"								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Diethylbenzene	ND	0.500	"								
p-Ethyltoluene	ND	0.500	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Amyl alcohol (TAA)	ND	8.00	"								
tert-Amyl methyl ether (TAME)	ND	0.800	"								
tert-Butyl alcohol (TBA)	ND	1.00	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Tetrahydrofuran	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
trans-1,4-dichloro-2-butene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl acetate	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								
Surrogate: 1,2-Dichloroethane-d4	*10.8*		*"*	*10.0*		*108*	*70-130*				
Surrogate: Toluene-d8	*9.16*		*"*	*10.0*		*91.6*	*70-130*				
Surrogate: p-Bromofluorobenzene	*9.34*		*"*	*10.0*		*93.4*	*70-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI80009 - EPA 5030B											
LCS (BI80009-BS1)								Prepared & Analyzed: 09/04/2018			
1,1,1,2-Tetrachloroethane	10.7		ug/L	10.0		107	82-126			30	
1,1,1-Trichloroethane	11.4		"	10.0		114	70-130			20	
1,1,2,2-Tetrachloroethane	9.38		"	10.0		93.8	70-130			20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	14.7		"	10.0		147	70-130	High Bias		20	
1,1,2-Trichloroethane	9.32		"	10.0		93.2	70-130			20	
1,1-Dichloroethane	11.6		"	10.0		116	70-130			20	
1,1-Dichloroethylene	13.9		"	10.0		139	70-130	High Bias		20	
1,1-Dichloropropylene	11.6		"	10.0		116	83-133			30	
1,2,3-Trichlorobenzene	8.28		"	10.0		82.8	70-130			20	
1,2,3-Trichloropropane	9.28		"	10.0		92.8	77-128			30	
1,2,4,5-Tetramethylbenzene	10.3		"	10.0		103	85-140			30	
1,2,4-Trichlorobenzene	9.00		"	10.0		90.0	70-130			20	
1,2,4-Trimethylbenzene	10.6		"	10.0		106	82-132			20	
1,2-Dibromo-3-chloropropane	7.94		"	10.0		79.4	40-160			20	
1,2-Dibromoethane	9.54		"	10.0		95.4	70-130			20	
1,2-Dichlorobenzene	9.90		"	10.0		99.0	70-130			20	
1,2-Dichloroethane	10.5		"	10.0		105	70-130			20	
1,2-Dichloropropane	9.88		"	10.0		98.8	70-130			20	
1,3,5-Trimethylbenzene	10.6		"	10.0		106	80-131			30	
1,3-Dichlorobenzene	10.6		"	10.0		106	70-130			20	
1,3-Dichloropropane	9.42		"	10.0		94.2	81-125			30	
1,4-Dichlorobenzene	9.78		"	10.0		97.8	70-130			20	
1,4-Dioxane	229		"	210		109	40-160			20	
2,2-Dichloropropane	11.0		"	10.0		110	56-150			30	
2-Butanone	9.07		"	10.0		90.7	40-160			20	
2-Chlorotoluene	10.7		"	10.0		107	79-130			30	
2-Hexanone	7.69		"	10.0		76.9	40-160			20	
4-Chlorotoluene	10.2		"	10.0		102	79-128			30	
4-Methyl-2-pentanone	8.19		"	10.0		81.9	40-160			20	
Acetone	8.57		"	10.0		85.7	40-160			20	
Acrolein	7.30		"	10.0		73.0	10-153			30	
Acrylonitrile	9.75		"	10.0		97.5	51-150			30	
Benzene	11.8		"	10.0		118	70-130			20	
Bromobenzene	9.60		"	10.0		96.0	78-129			30	
Bromochloromethane	10.9		"	10.0		109	70-130			20	
Bromodichloromethane	9.55		"	10.0		95.5	70-130			20	
Bromoform	9.27		"	10.0		92.7	70-130			20	
Bromomethane	11.3		"	10.0		113	40-160			20	
Carbon disulfide	13.2		"	10.0		132	40-160			20	
Carbon tetrachloride	11.5		"	10.0		115	70-130			20	
Chlorobenzene	10.8		"	10.0		108	70-130			20	
Chloroethane	11.7		"	10.0		117	40-160			20	
Chloroform	11.4		"	10.0		114	70-130			20	
Chloromethane	11.4		"	10.0		114	40-160			20	
cis-1,2-Dichloroethylene	11.4		"	10.0		114	70-130			20	
cis-1,3-Dichloropropylene	9.62		"	10.0		96.2	70-130			20	
Cyclohexane	11.6		"	10.0		116	70-130			20	
Dibromochloromethane	9.78		"	10.0		97.8	70-130			20	
Dibromomethane	9.31		"	10.0		93.1	72-134			30	
Dichlorodifluoromethane	13.2		"	10.0		132	40-160			20	
Diisopropyl ether (DIPE)	10.8		"	10.0		108	70-130			30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI80009 - EPA 5030B											
LCS (BI80009-BS1)							Prepared & Analyzed: 09/04/2018				
Ethyl Benzene	11.0		ug/L	10.0		110	70-130			20	
Ethyl tert-butyl ether (ETBE)	10.2		"	10.0		102	70-130			30	
Hexachlorobutadiene	11.4		"	10.0		114	67-146			30	
Iodomethane	12.4		"	10.0		124	70-130			20	
Isopropylbenzene	10.5		"	10.0		105	70-130			20	
Methyl acetate	9.56		"	10.0		95.6	70-130			20	
Methyl Methacrylate	8.44		"	10.0		84.4	72-132			30	
Methyl tert-butyl ether (MTBE)	10.0		"	10.0		100	70-130			20	
Methylcyclohexane	10.3		"	10.0		103	70-130			20	
Methylene chloride	11.4		"	10.0		114	70-130			20	
Naphthalene	8.29		"	10.0		82.9	70-147			30	
n-Butylbenzene	10.7		"	10.0		107	79-132			30	
n-Propylbenzene	10.8		"	10.0		108	78-133			30	
o-Xylene	10.7		"	10.0		107	70-130			20	
p- & m- Xylenes	22.5		"	20.0		112	70-130			20	
p-Diethylbenzene	12.0		"	10.0		120	84-134			30	
p-Ethyltoluene	11.5		"	10.0		115	88-129			30	
p-Isopropyltoluene	11.3		"	10.0		113	81-136			30	
sec-Butylbenzene	11.4		"	10.0		114	79-137			30	
Styrene	10.3		"	10.0		103	70-130			20	
tert-Amyl alcohol (TAA)	93.7		"	100		93.7	70-130			30	
tert-Amyl methyl ether (TAME)	10.2		"	10.0		102	70-130			30	
tert-Butyl alcohol (TBA)	47.7		"	50.0		95.3	25-162			30	
tert-Butylbenzene	10.6		"	10.0		106	77-138			30	
Tetrachloroethylene	9.88		"	10.0		98.8	70-130			20	
Tetrahydrofuran	9.14		"	10.0		91.4	36-166			30	
Toluene	10.7		"	10.0		107	70-130			20	
trans-1,2-Dichloroethylene	11.4		"	10.0		114	70-130			20	
trans-1,3-Dichloropropylene	9.00		"	10.0		90.0	70-130			20	
trans-1,4-dichloro-2-butene	9.34		"	10.0		93.4	63-141			30	
Trichloroethylene	10.4		"	10.0		104	70-130			20	
Trichlorofluoromethane	11.4		"	10.0		114	40-160			20	
Vinyl acetate	11.0		"	10.0		110	21-90	High Bias		30	
Vinyl Chloride	12.2		"	10.0		122	70-130			20	
Surrogate: 1,2-Dichloroethane-d4	*9.68*		*"*	*10.0*		*96.8*	*70-130*				
Surrogate: Toluene-d8	*9.48*		*"*	*10.0*		*94.8*	*70-130*				
Surrogate: p-Bromofluorobenzene	*9.59*		*"*	*10.0*		*95.9*	*70-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI80009 - EPA 5030B											
LCS Dup (BI80009-BSD1)								Prepared & Analyzed: 09/04/2018			
1,1,1,2-Tetrachloroethane	11.3		ug/L	10.0		113	82-126		5.44	30	
1,1,1-Trichloroethane	11.5		"	10.0		115	70-130		1.05	20	
1,1,2,2-Tetrachloroethane	10.6		"	10.0		106	70-130		11.7	20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	13.1		"	10.0		131	70-130	High Bias	11.2	20	
1,1,2-Trichloroethane	10.5		"	10.0		105	70-130		12.0	20	
1,1-Dichloroethane	12.0		"	10.0		120	70-130		2.63	20	
1,1-Dichloroethylene	11.0		"	10.0		110	70-130		23.2	20	Non-dir.
1,1-Dichloropropylene	11.7		"	10.0		117	83-133		0.772	30	
1,2,3-Trichlorobenzene	9.21		"	10.0		92.1	70-130		10.6	20	
1,2,3-Trichloropropane	10.3		"	10.0		103	77-128		10.7	30	
1,2,4,5-Tetramethylbenzene	10.4		"	10.0		104	85-140		0.580	30	
1,2,4-Trichlorobenzene	9.62		"	10.0		96.2	70-130		6.66	20	
1,2,4-Trimethylbenzene	10.3		"	10.0		103	82-132		3.15	20	
1,2-Dibromo-3-chloropropane	9.19		"	10.0		91.9	40-160		14.6	20	
1,2-Dibromoethane	10.8		"	10.0		108	70-130		12.7	20	
1,2-Dichlorobenzene	10.2		"	10.0		102	70-130		3.47	20	
1,2-Dichloroethane	11.9		"	10.0		119	70-130		12.4	20	
1,2-Dichloropropane	10.3		"	10.0		103	70-130		3.87	20	
1,3,5-Trimethylbenzene	10.1		"	10.0		101	80-131		4.83	30	
1,3-Dichlorobenzene	10.6		"	10.0		106	70-130		0.283	20	
1,3-Dichloropropane	10.5		"	10.0		105	81-125		11.1	30	
1,4-Dichlorobenzene	9.83		"	10.0		98.3	70-130		0.510	20	
1,4-Dioxane	514		"	210		245	40-160	High Bias	76.8	20	Non-dir.
2,2-Dichloropropane	11.0		"	10.0		110	56-150		0.545	30	
2-Butanone	11.7		"	10.0		117	40-160		25.3	20	Non-dir.
2-Chlorotoluene	10.3		"	10.0		103	79-130		3.62	30	
2-Hexanone	10.1		"	10.0		101	40-160		27.3	20	Non-dir.
4-Chlorotoluene	9.92		"	10.0		99.2	79-128		2.49	30	
4-Methyl-2-pentanone	10.2		"	10.0		102	40-160		22.0	20	Non-dir.
Acetone	11.4		"	10.0		114	40-160		28.1	20	Non-dir.
Acrolein	7.23		"	10.0		72.3	10-153		0.964	30	
Acrylonitrile	11.9		"	10.0		119	51-150		20.1	30	
Benzene	12.1		"	10.0		121	70-130		2.51	20	
Bromobenzene	9.81		"	10.0		98.1	78-129		2.16	30	
Bromochloromethane	12.0		"	10.0		120	70-130		9.49	20	
Bromodichloromethane	10.1		"	10.0		101	70-130		5.40	20	
Bromoform	10.8		"	10.0		108	70-130		15.2	20	
Bromomethane	10.6		"	10.0		106	40-160		6.75	20	
Carbon disulfide	13.1		"	10.0		131	40-160		0.986	20	
Carbon tetrachloride	11.7		"	10.0		117	70-130		1.64	20	
Chlorobenzene	11.1		"	10.0		111	70-130		2.56	20	
Chloroethane	11.4		"	10.0		114	40-160		2.69	20	
Chloroform	11.9		"	10.0		119	70-130		3.78	20	
Chloromethane	11.6		"	10.0		116	40-160		1.22	20	
cis-1,2-Dichloroethylene	11.7		"	10.0		117	70-130		2.85	20	
cis-1,3-Dichloropropylene	10.3		"	10.0		103	70-130		6.83	20	
Cyclohexane	12.2		"	10.0		122	70-130		4.96	20	
Dibromochloromethane	11.0		"	10.0		110	70-130		11.8	20	
Dibromomethane	10.5		"	10.0		105	72-134		11.7	30	
Dichlorodifluoromethane	13.8		"	10.0		138	40-160		4.73	20	
Diisopropyl ether (DIPE)	12.0		"	10.0		120	70-130		10.4	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI80009 - EPA 5030B											
LCS Dup (BI80009-BSD1)								Prepared & Analyzed: 09/04/2018			
Ethyl Benzene	11.0		ug/L	10.0		110	70-130		0.0911	20	
Ethyl tert-butyl ether (ETBE)	11.8		"	10.0		118	70-130		14.6	30	
Hexachlorobutadiene	10.8		"	10.0		108	67-146		5.67	30	
Iodomethane	12.5		"	10.0		125	70-130		0.482	20	
Isopropylbenzene	9.94		"	10.0		99.4	70-130		5.38	20	
Methyl acetate	11.9		"	10.0		119	70-130		22.1	20	Non-dir.
Methyl Methacrylate	10.1		"	10.0		101	72-132		17.6	30	
Methyl tert-butyl ether (MTBE)	12.2		"	10.0		122	70-130		19.0	20	
Methylcyclohexane	10.6		"	10.0		106	70-130		2.30	20	
Methylene chloride	12.1		"	10.0		121	70-130		5.62	20	
Naphthalene	9.47		"	10.0		94.7	70-147		13.3	30	
n-Butylbenzene	9.88		"	10.0		98.8	79-132		7.59	30	
n-Propylbenzene	10.2		"	10.0		102	78-133		5.83	30	
o-Xylene	10.9		"	10.0		109	70-130		1.85	20	
p- & m- Xylenes	22.4		"	20.0		112	70-130		0.491	20	
p-Diethylbenzene	11.5		"	10.0		115	84-134		4.18	30	
p-Ethyltoluene	11.0		"	10.0		110	88-129		4.55	30	
p-Isopropyltoluene	10.8		"	10.0		108	81-136		4.89	30	
sec-Butylbenzene	10.7		"	10.0		107	79-137		6.06	30	
Styrene	10.7		"	10.0		107	70-130		4.29	20	
tert-Amyl alcohol (TAA)	148		"	100		148	70-130	High Bias	45.0	30	Non-dir.
tert-Amyl methyl ether (TAME)	12.4		"	10.0		124	70-130		19.1	30	
tert-Butyl alcohol (TBA)	83.7		"	50.0		167	25-162	High Bias	54.8	30	Non-dir.
tert-Butylbenzene	10.1		"	10.0		101	77-138		5.30	30	
Tetrachloroethylene	9.86		"	10.0		98.6	70-130		0.203	20	
Tetrahydrofuran	11.9		"	10.0		119	36-166		26.0	30	
Toluene	10.7		"	10.0		107	70-130		0.0938	20	
trans-1,2-Dichloroethylene	11.4		"	10.0		114	70-130		0.0878	20	
trans-1,3-Dichloropropylene	10.0		"	10.0		100	70-130		10.5	20	
trans-1,4-dichloro-2-butene	9.46		"	10.0		94.6	63-141		1.28	30	
Trichloroethylene	10.3		"	10.0		103	70-130		0.484	20	
Trichlorofluoromethane	11.7		"	10.0		117	40-160		2.94	20	
Vinyl acetate	12.3		"	10.0		123	21-90	High Bias	11.8	30	
Vinyl Chloride	12.2		"	10.0		122	70-130		0.738	20	
Surrogate: 1,2-Dichloroethane-d4	*10.5*		*"*	*10.0*		*105*	*70-130*				
Surrogate: Toluene-d8	*9.29*		*"*	*10.0*		*92.9*	*70-130*				
Surrogate: p-Bromofluorobenzene	*9.34*		*"*	*10.0*		*93.4*	*70-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI80068 - EPA 5030B											
Blank (BI80068-BLK1)											
1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,1-Trichloroethane	ND	0.500	"								
1,1,2,2-Tetrachloroethane	ND	0.500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"								
1,1,2-Trichloroethane	ND	0.500	"								
1,1-Dichloroethane	ND	0.500	"								
1,1-Dichloroethylene	ND	0.500	"								
1,1-Dichloropropylene	ND	0.500	"								
1,2,3-Trichlorobenzene	ND	0.500	"								
1,2,3-Trichloropropane	ND	0.500	"								
1,2,4,5-Tetramethylbenzene	ND	0.500	"								
1,2,4-Trichlorobenzene	ND	0.500	"								
1,2,4-Trimethylbenzene	ND	0.500	"								
1,2-Dibromo-3-chloropropane	ND	0.500	"								
1,2-Dibromoethane	ND	0.500	"								
1,2-Dichlorobenzene	ND	0.500	"								
1,2-Dichloroethane	ND	0.500	"								
1,2-Dichloropropane	ND	0.500	"								
1,3,5-Trimethylbenzene	ND	0.500	"								
1,3-Dichlorobenzene	ND	0.500	"								
1,3-Dichloropropane	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
1,4-Dioxane	ND	80.0	"								
2,2-Dichloropropane	ND	0.500	"								
2-Butanone	ND	0.500	"								
2-Chlorotoluene	ND	0.500	"								
2-Hexanone	ND	0.500	"								
4-Chlorotoluene	ND	0.500	"								
4-Methyl-2-pentanone	ND	0.500	"								
Acetone	ND	2.00	"								
Acrolein	ND	0.500	"								
Acrylonitrile	ND	0.500	"								
Benzene	ND	0.500	"								
Bromobenzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								
Bromodichloromethane	ND	0.500	"								
Bromoform	ND	0.500	"								
Bromomethane	ND	0.500	"								
Carbon disulfide	ND	0.500	"								
Carbon tetrachloride	ND	0.500	"								
Chlorobenzene	ND	0.500	"								
Chloroethane	ND	0.500	"								
Chloroform	ND	0.500	"								
Chloromethane	ND	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
cis-1,3-Dichloropropylene	ND	0.500	"								
Cyclohexane	ND	0.500	"								
Dibromochloromethane	ND	0.500	"								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								
Diisopropyl ether (DIPE)	ND	0.800	"								

Prepared & Analyzed: 09/05/2018

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI80068 - EPA 5030B											
Blank (BI80068-BLK1)											
Prepared & Analyzed: 09/05/2018											
Ethyl Benzene	ND	0.500	ug/L								
Ethyl tert-butyl ether (ETBE)	ND	0.800	"								
Hexachlorobutadiene	ND	0.500	"								
Iodomethane	ND	0.500	"								
Isopropylbenzene	ND	0.500	"								
Methyl acetate	ND	0.500	"								
Methyl Methacrylate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylcyclohexane	ND	0.500	"								
Methylene chloride	ND	2.00	"								
Naphthalene	ND	2.00	"								
n-Butylbenzene	ND	0.500	"								
n-Propylbenzene	ND	0.500	"								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Diethylbenzene	ND	0.500	"								
p-Ethyltoluene	ND	0.500	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Amyl alcohol (TAA)	ND	8.00	"								
tert-Amyl methyl ether (TAME)	ND	0.800	"								
tert-Butyl alcohol (TBA)	ND	1.00	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Tetrahydrofuran	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
trans-1,4-dichloro-2-butene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl acetate	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								
Surrogate: 1,2-Dichloroethane-d4	*9.89*		*"*	*10.0*		*98.9*	*70-130*				
Surrogate: Toluene-d8	*9.86*		*"*	*10.0*		*98.6*	*70-130*				
Surrogate: p-Bromofluorobenzene	*10.6*		*"*	*10.0*		*106*	*70-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI80068 - EPA 5030B											
LCS (BI80068-BS1)							Prepared & Analyzed: 09/05/2018				
1,1,1,2-Tetrachloroethane	10.2		ug/L	10.0		102	82-126			30	
1,1,1-Trichloroethane	9.29		"	10.0		92.9	70-130			20	
1,1,2,2-Tetrachloroethane	10.1		"	10.0		101	70-130			20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.5		"	10.0		105	70-130			20	
1,1,2-Trichloroethane	9.67		"	10.0		96.7	70-130			20	
1,1-Dichloroethane	9.70		"	10.0		97.0	70-130			20	
1,1-Dichloroethylene	9.60		"	10.0		96.0	70-130			20	
1,1-Dichloropropylene	9.68		"	10.0		96.8	83-133			30	
1,2,3-Trichlorobenzene	10.2		"	10.0		102	70-130			20	
1,2,3-Trichloropropane	10.0		"	10.0		100	77-128			30	
1,2,4,5-Tetramethylbenzene	10.2		"	10.0		102	85-140			30	
1,2,4-Trichlorobenzene	9.91		"	10.0		99.1	70-130			20	
1,2,4-Trimethylbenzene	9.75		"	10.0		97.5	82-132			20	
1,2-Dibromo-3-chloropropane	10.0		"	10.0		100	40-160			20	
1,2-Dibromoethane	10.1		"	10.0		101	70-130			20	
1,2-Dichlorobenzene	9.74		"	10.0		97.4	70-130			20	
1,2-Dichloroethane	9.79		"	10.0		97.9	70-130			20	
1,2-Dichloropropane	9.35		"	10.0		93.5	70-130			20	
1,3,5-Trimethylbenzene	9.66		"	10.0		96.6	80-131			30	
1,3-Dichlorobenzene	9.77		"	10.0		97.7	70-130			20	
1,3-Dichloropropane	9.90		"	10.0		99.0	81-125			30	
1,4-Dichlorobenzene	9.88		"	10.0		98.8	70-130			20	
1,4-Dioxane	222		"	210		106	40-160			20	
2,2-Dichloropropane	9.69		"	10.0		96.9	56-150			30	
2-Butanone	9.78		"	10.0		97.8	40-160			20	
2-Chlorotoluene	9.68		"	10.0		96.8	79-130			30	
2-Hexanone	11.0		"	10.0		110	40-160			20	
4-Chlorotoluene	9.75		"	10.0		97.5	79-128			30	
4-Methyl-2-pentanone	9.94		"	10.0		99.4	40-160			20	
Acetone	9.01		"	10.0		90.1	40-160			20	
Acrolein	9.89		"	10.0		98.9	10-153			30	
Acrylonitrile	10.3		"	10.0		103	51-150			30	
Benzene	9.79		"	10.0		97.9	70-130			20	
Bromobenzene	9.73		"	10.0		97.3	78-129			30	
Bromochloromethane	10.1		"	10.0		101	70-130			20	
Bromodichloromethane	9.43		"	10.0		94.3	70-130			20	
Bromoform	10.2		"	10.0		102	70-130			20	
Bromomethane	9.44		"	10.0		94.4	40-160			20	
Carbon disulfide	11.0		"	10.0		110	40-160			20	
Carbon tetrachloride	9.47		"	10.0		94.7	70-130			20	
Chlorobenzene	9.90		"	10.0		99.0	70-130			20	
Chloroethane	10.5		"	10.0		105	40-160			20	
Chloroform	9.60		"	10.0		96.0	70-130			20	
Chloromethane	9.87		"	10.0		98.7	40-160			20	
cis-1,2-Dichloroethylene	9.71		"	10.0		97.1	70-130			20	
cis-1,3-Dichloropropylene	9.98		"	10.0		99.8	70-130			20	
Cyclohexane	9.87		"	10.0		98.7	70-130			20	
Dibromochloromethane	10.3		"	10.0		103	70-130			20	
Dibromomethane	9.53		"	10.0		95.3	72-134			30	
Dichlorodifluoromethane	12.1		"	10.0		121	40-160			20	
Diisopropyl ether (DIPE)	10.0		"	10.0		100	70-130			30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI80068 - EPA 5030B											
LCS (BI80068-BS1)								Prepared & Analyzed: 09/05/2018			
Ethyl Benzene	10.1		ug/L	10.0		101	70-130			20	
Ethyl tert-butyl ether (ETBE)	9.92		"	10.0		99.2	70-130			30	
Hexachlorobutadiene	10.1		"	10.0		101	67-146			30	
Iodomethane	2.40		"	10.0		24.0	70-130	Low Bias		20	
Isopropylbenzene	9.29		"	10.0		92.9	70-130			20	
Methyl acetate	10.6		"	10.0		106	70-130			20	
Methyl Methacrylate	9.47		"	10.0		94.7	72-132			30	
Methyl tert-butyl ether (MTBE)	10.2		"	10.0		102	70-130			20	
Methylcyclohexane	9.44		"	10.0		94.4	70-130			20	
Methylene chloride	10.8		"	10.0		108	70-130			20	
Naphthalene	10.3		"	10.0		103	70-147			30	
n-Butylbenzene	9.78		"	10.0		97.8	79-132			30	
n-Propylbenzene	9.62		"	10.0		96.2	78-133			30	
o-Xylene	10.3		"	10.0		103	70-130			20	
p- & m- Xylenes	17.2		"	20.0		86.1	70-130			20	
p-Diethylbenzene	10.6		"	10.0		106	84-134			30	
p-Ethyltoluene	9.98		"	10.0		99.8	88-129			30	
p-Isopropyltoluene	9.82		"	10.0		98.2	81-136			30	
sec-Butylbenzene	10.1		"	10.0		101	79-137			30	
Styrene	10.2		"	10.0		102	70-130			20	
tert-Amyl alcohol (TAA)	103		"	100		103	70-130			30	
tert-Amyl methyl ether (TAME)	10.1		"	10.0		101	70-130			30	
tert-Butyl alcohol (TBA)	45.0		"	50.0		90.0	25-162			30	
tert-Butylbenzene	9.51		"	10.0		95.1	77-138			30	
Tetrachloroethylene	7.66		"	10.0		76.6	70-130			20	
Tetrahydrofuran	9.90		"	10.0		99.0	36-166			30	
Toluene	9.68		"	10.0		96.8	70-130			20	
trans-1,2-Dichloroethylene	9.73		"	10.0		97.3	70-130			20	
trans-1,3-Dichloropropylene	9.90		"	10.0		99.0	70-130			20	
trans-1,4-dichloro-2-butene	9.81		"	10.0		98.1	63-141			30	
Trichloroethylene	9.23		"	10.0		92.3	70-130			20	
Trichlorofluoromethane	10.3		"	10.0		103	40-160			20	
Vinyl acetate	9.63		"	10.0		96.3	21-90	High Bias		30	
Vinyl Chloride	10.1		"	10.0		101	70-130			20	
Surrogate: 1,2-Dichloroethane-d4	*9.66*		*"*	*10.0*		*96.6*	*70-130*				
Surrogate: Toluene-d8	*9.89*		*"*	*10.0*		*98.9*	*70-130*				
Surrogate: p-Bromofluorobenzene	*9.76*		*"*	*10.0*		*97.6*	*70-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI80068 - EPA 5030B											
LCS Dup (BI80068-BSD1)							Prepared & Analyzed: 09/05/2018				
1,1,1,2-Tetrachloroethane	11.1		ug/L	10.0		111	82-126		8.48	30	
1,1,1-Trichloroethane	10.0		"	10.0		100	70-130		7.86	20	
1,1,2,2-Tetrachloroethane	10.5		"	10.0		105	70-130		4.07	20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.9		"	10.0		109	70-130		4.39	20	
1,1,2-Trichloroethane	10.2		"	10.0		102	70-130		5.43	20	
1,1-Dichloroethane	10.4		"	10.0		104	70-130		7.16	20	
1,1-Dichloroethylene	10.2		"	10.0		102	70-130		6.06	20	
1,1-Dichloropropylene	10.2		"	10.0		102	83-133		4.74	30	
1,2,3-Trichlorobenzene	11.1		"	10.0		111	70-130		9.10	20	
1,2,3-Trichloropropane	10.4		"	10.0		104	77-128		3.54	30	
1,2,4,5-Tetramethylbenzene	10.9		"	10.0		109	85-140		6.73	30	
1,2,4-Trichlorobenzene	10.5		"	10.0		105	70-130		5.40	20	
1,2,4-Trimethylbenzene	10.5		"	10.0		105	82-132		7.79	20	
1,2-Dibromo-3-chloropropane	10.2		"	10.0		102	40-160		2.27	20	
1,2-Dibromoethane	10.7		"	10.0		107	70-130		5.97	20	
1,2-Dichlorobenzene	10.6		"	10.0		106	70-130		7.98	20	
1,2-Dichloroethane	10.5		"	10.0		105	70-130		6.62	20	
1,2-Dichloropropane	10.0		"	10.0		100	70-130		6.92	20	
1,3,5-Trimethylbenzene	10.4		"	10.0		104	80-131		6.99	30	
1,3-Dichlorobenzene	10.5		"	10.0		105	70-130		7.30	20	
1,3-Dichloropropane	10.5		"	10.0		105	81-125		5.60	30	
1,4-Dichlorobenzene	10.6		"	10.0		106	70-130		7.50	20	
1,4-Dioxane	253		"	210		120	40-160		12.8	20	
2,2-Dichloropropane	10.3		"	10.0		103	56-150		5.71	30	
2-Butanone	10.6		"	10.0		106	40-160		8.33	20	
2-Chlorotoluene	10.4		"	10.0		104	79-130		7.08	30	
2-Hexanone	11.5		"	10.0		115	40-160		4.36	20	
4-Chlorotoluene	10.5		"	10.0		105	79-128		7.03	30	
4-Methyl-2-pentanone	10.6		"	10.0		106	40-160		6.43	20	
Acetone	10.0		"	10.0		100	40-160		10.4	20	
Acrolein	10.2		"	10.0		102	10-153		3.09	30	
Acrylonitrile	9.08		"	10.0		90.8	51-150		12.6	30	
Benzene	10.4		"	10.0		104	70-130		6.43	20	
Bromobenzene	10.4		"	10.0		104	78-129		6.94	30	
Bromochloromethane	10.9		"	10.0		109	70-130		7.60	20	
Bromodichloromethane	10.1		"	10.0		101	70-130		6.46	20	
Bromoform	10.7		"	10.0		107	70-130		5.09	20	
Bromomethane	10.6		"	10.0		106	40-160		11.6	20	
Carbon disulfide	11.7		"	10.0		117	40-160		5.88	20	
Carbon tetrachloride	9.95		"	10.0		99.5	70-130		4.94	20	
Chlorobenzene	10.5		"	10.0		105	70-130		5.79	20	
Chloroethane	11.0		"	10.0		110	40-160		4.85	20	
Chloroform	10.2		"	10.0		102	70-130		6.26	20	
Chloromethane	10.9		"	10.0		109	40-160		9.73	20	
cis-1,2-Dichloroethylene	10.4		"	10.0		104	70-130		6.96	20	
cis-1,3-Dichloropropylene	10.6		"	10.0		106	70-130		5.93	20	
Cyclohexane	10.3		"	10.0		103	70-130		4.07	20	
Dibromochloromethane	11.0		"	10.0		110	70-130		6.77	20	
Dibromomethane	10.1		"	10.0		101	72-134		5.91	30	
Dichlorodifluoromethane	11.7		"	10.0		117	40-160		3.44	20	
Diisopropyl ether (DIPE)	10.8		"	10.0		108	70-130		7.56	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI80068 - EPA 5030B											
LCS Dup (BI80068-BSD1)								Prepared & Analyzed: 09/05/2018			
Ethyl Benzene	10.8		ug/L	10.0		108	70-130		6.63	20	
Ethyl tert-butyl ether (ETBE)	10.6		"	10.0		106	70-130		7.10	30	
Hexachlorobutadiene	10.5		"	10.0		105	67-146		3.98	30	
Iodomethane	2.89		"	10.0		28.9	70-130	Low Bias	18.5	20	
Isopropylbenzene	9.90		"	10.0		99.0	70-130		6.36	20	
Methyl acetate	11.0		"	10.0		110	70-130		3.53	20	
Methyl Methacrylate	10.2		"	10.0		102	72-132		7.23	30	
Methyl tert-butyl ether (MTBE)	11.0		"	10.0		110	70-130		7.90	20	
Methylcyclohexane	9.74		"	10.0		97.4	70-130		3.13	20	
Methylene chloride	11.6		"	10.0		116	70-130		6.85	20	
Naphthalene	11.0		"	10.0		110	70-147		6.75	30	
n-Butylbenzene	10.4		"	10.0		104	79-132		5.86	30	
n-Propylbenzene	10.3		"	10.0		103	78-133		6.63	30	
o-Xylene	10.9		"	10.0		109	70-130		5.37	20	
p- & m- Xylenes	18.2		"	20.0		91.2	70-130		5.75	20	
p-Diethylbenzene	11.4		"	10.0		114	84-134		6.81	30	
p-Ethyltoluene	10.7		"	10.0		107	88-129		7.06	30	
p-Isopropyltoluene	10.4		"	10.0		104	81-136		6.02	30	
sec-Butylbenzene	10.8		"	10.0		108	79-137		6.03	30	
Styrene	10.8		"	10.0		108	70-130		6.21	20	
tert-Amyl alcohol (TAA)	112		"	100		112	70-130		8.42	30	
tert-Amyl methyl ether (TAME)	10.9		"	10.0		109	70-130		7.33	30	
tert-Butyl alcohol (TBA)	50.1		"	50.0		100	25-162		10.7	30	
tert-Butylbenzene	10.3		"	10.0		103	77-138		8.07	30	
Tetrachloroethylene	8.22		"	10.0		82.2	70-130		7.05	20	
Tetrahydrofuran	10.8		"	10.0		108	36-166		8.23	30	
Toluene	10.3		"	10.0		103	70-130		6.50	20	
trans-1,2-Dichloroethylene	10.4		"	10.0		104	70-130		6.85	20	
trans-1,3-Dichloropropylene	10.3		"	10.0		103	70-130		4.15	20	
trans-1,4-dichloro-2-butene	10.4		"	10.0		104	63-141		5.45	30	
Trichloroethylene	9.97		"	10.0		99.7	70-130		7.71	20	
Trichlorofluoromethane	10.5		"	10.0		105	40-160		2.21	20	
Vinyl acetate	10.6		"	10.0		106	21-90	High Bias	9.40	30	
Vinyl Chloride	10.3		"	10.0		103	70-130		2.15	20	
Surrogate: 1,2-Dichloroethane-d4	*9.49*		*"*	*10.0*		*94.9*	*70-130*				
Surrogate: Toluene-d8	*9.79*		*"*	*10.0*		*97.9*	*70-130*				
Surrogate: p-Bromofluorobenzene	*9.76*		*"*	*10.0*		*97.6*	*70-130*				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI80094 - EPA 200.7											
Blank (BI80094-BLK1)									Prepared: 09/05/2018 Analyzed: 09/06/2018		
Iron	ND	0.0222	mg/L								
LCS (BI80094-BS1)									Prepared: 09/05/2018 Analyzed: 09/06/2018		
Iron	1.12		ug/mL	1.00		112	85-115				
Batch BI80258 - EPA 3015A											
Blank (BI80258-BLK1)									Prepared & Analyzed: 09/07/2018		
Iron - Dissolved	0.0403	0.0222	mg/L								
LCS (BI80258-BS1)									Prepared & Analyzed: 09/07/2018		
Iron - Dissolved	1.08		ug/mL	1.00		108	80-120				

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
18H1387-01	WQ082818:840 NP2-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18H1387-02	WQ082818:845 NP2-10	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Sample and Data Qualifiers Relating to This Work Order

QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
M-MBLk	Analyte was detected in the batch method blank above the Reporting Limit.
ICV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

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

Field Chain-of-Custody Record

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

York Project No. 18H1387

YOUR Information	Report to:	Invoice To:	Your Project ID	Turn-Around Time
Company: WSP USA	SAME [X]	SAME [X]	31401451.000 task 01.00	RUSH-Same Day
Address: 4 Research Drive	Name:	Name:		RUSH-Next Day
Suite 301, Shelton CT 06484	Company:	Company:	Purchase Order #	RUSH-Two Day
Phone.: 203.929.8555	Address:	Address:	31401451.000 task 01.00	RUSH-Three Day
Contact: Tunde Sandor				RUSH-Four Day
E-mail: tunde.sandor@wsp.com		E-mail	Samples from CT__NY x_NJ__	Standard (5-7day) X

Report/Deliverable Type	
Summary Report	X, PDF
QA Report	X, PDF
CT RCP	
CT RCP DQA/DUE Pkg	
NY ASP A Package	
NY ASP B Package	X, PDF
NJDEP Reduced Deliv	
Excel	X
NYSDEC EQuIS	
NJDEP SRP HazSite	
EQuIS	
GIS/KEY (std)	
YORK Regulatory Comp Excel compared to:	
OTHER:	

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

Samples Collected/Authorized By (Signature)

Evan Foster
Name (printed)

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

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.
624	Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part360-Routine
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part360-Baseline
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part360-Expanded No Dioxins/Furans
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part360-Expanded Full List
Halog.only	NJDEP list	App. IX	Chlordane	Indiv. Metals	Air TICs	NYCDEP Sewer
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM

Sample Identification	Date+Time Sampled	Matrix	Analysis Requested (List above includes common analysis)	Container Description
WG082818:840 NP2-6	8/28/18 840	GW	VOCs 8260 full plus freon 113	3 voa
" 845 NP2-10	" 845	GW	Fe by EPA 200.7; Fe dissolved by EPA 6010; VOCs 8260 full plus freon 113; TDS	3 voa; 3 plastic

8-30-18

Preservation (check all applicable): A°C ___ Frozen ___ HCl X ZnAc ___ MeOH ___ Ascorbic Acid ___ HNO_3 X Other ___ H_2SO_4 ___ NaOH ___

Comments:

Special Instructions
Field Filtered ☐
Lab to Filter ☐

(system)

Samples Relinquished By	8/29/18 900 Date/Time	Samples Received By WSP Fridge	8/29/18 900 Date/Time
Samples Relinquished By 8-30-18	1550 Date/Time	Samples Received in LAB by TC	8/30/18 1552 Date/Time

Temperature on Receipt 1.1 °C

APPENDIX II

AUGUST AND SEPTEMBER 2018 LABORATORY ANALYTICAL REPORTS FOR FSP&T AND FP&T RECOVERY WELLS

Technical Report

prepared for:

WSP USA, Inc. (Shelton)
4 Research Drive, Suite 204
Shelton CT, 06484
Attention: Tunde Komuves-Sandor

Report Date: 10/02/2018
Client Project ID: 31401451.000 task 01.00
York Project (SDG) No.: 18I1035

Report Date: 10/02/2018
Client Project ID: 31401451.000 task 01.00
York Project (SDG) No.: 18I1035

WSP USA, Inc. (Shelton)
4 Research Drive, Suite 204
Shelton CT, 06484
Attention: Tunde Komuves-Sandor

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 September 25, 2018 and listed below. The project was identified as your project: **31401451.000 task 01.00**.

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.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
18I1035-01	WQ092118:1300 FRW-1	Water	09/21/2018	09/25/2018
18I1035-02	WQ092118:1305 FRW-2	Water	09/21/2018	09/25/2018
18I1035-03	WQ092118:1310 FRW-3	Water	09/21/2018	09/25/2018
18I1035-04	WQ092118:1315 FRW-4	Water	09/21/2018	09/25/2018
18I1035-05	WQ092118:1350 NP1-1-2	Water	09/21/2018	09/25/2018

General Notes for York Project (SDG) No.: 18I1035

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: 

Date: 10/02/2018

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: WQ092118:1300 FRW-1 **York Sample ID:** 18I1035-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18I1035	31401451.000 task 01.00	Water	September 21, 2018 1:00 pm	09/25/2018

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30	10/01/2018 14:07 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30	10/01/2018 14:07 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30	10/01/2018 14:07 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30	10/01/2018 14:07 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30	10/01/2018 14:07 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30	10/01/2018 14:07 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30	10/01/2018 14:07 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30	10/01/2018 14:07 NELAC-NY10854,NELAC-NY12058,NJDEP	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30	10/01/2018 14:07 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30	10/01/2018 14:07 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30	10/01/2018 14:07 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30	10/01/2018 14:07 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30	10/01/2018 14:07 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30	10/01/2018 14:07 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30	10/01/2018 14:07 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30	10/01/2018 14:07 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30	10/01/2018 14:07 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30	10/01/2018 14:07 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30	10/01/2018 14:07 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30	10/01/2018 14:07 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30	10/01/2018 14:07 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30	10/01/2018 14:07 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS

Sample Information

Client Sample ID: WQ092118:1300 FRW-1 **York Sample ID:** 18I1035-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18I1035	31401451.000 task 01.00	Water	September 21, 2018 1:00 pm	09/25/2018

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 14:07	RDS
591-78-6	2-Hexanone	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications:	10/01/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 14:07	RDS
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 14:07	RDS
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	10/01/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 14:07	RDS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 14:07	RDS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 14:07	RDS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 14:07	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 14:07	RDS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 14:07	RDS
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 14:07	RDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 14:07	RDS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 14:07	RDS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 14:07	RDS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 14:07	RDS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 14:07	RDS
156-59-2	**cis-1,2-Dichloroethylene**	**2.43**		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 14:07	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 14:07	RDS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 14:07	RDS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 14:07	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 14:07	RDS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 14:07	RDS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 14:07	RDS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 14:07	RDS

Sample Information

Client Sample ID: WQ092118:1300 FRW-1 **York Sample ID:** 18I1035-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18I1035	31401451.000 task 01.00	Water	September 21, 2018 1:00 pm	09/25/2018

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30	10/01/2018 14:07 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	10/01/2018 07:30	10/01/2018 14:07 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	10/01/2018 07:30	10/01/2018 14:07 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30	10/01/2018 14:07 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30	10/01/2018 14:07 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30	10/01/2018 14:07 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	RDS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications:	10/01/2018 07:30	10/01/2018 14:07 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	RDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30	10/01/2018 14:07 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30	10/01/2018 14:07 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30	10/01/2018 14:07 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30	10/01/2018 14:07 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
127-18-4	**Tetrachloroethylene**	**20.2**		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30	10/01/2018 14:07 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30	10/01/2018 14:07 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30	10/01/2018 14:07 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30	10/01/2018 14:07 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
79-01-6	**Trichloroethylene**	**1.25**		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30	10/01/2018 14:07 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30	10/01/2018 14:07 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30	10/01/2018 14:07 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications:	10/01/2018 07:30	10/01/2018 14:07 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	RDS

Sample Information

Client Sample ID: WQ092118:1305 FRW-2 **York Sample ID:** 18I1035-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18I1035	31401451.000 task 01.00	Water	September 21, 2018 1:05 pm	09/25/2018

Sample Information

Client Sample ID: WQ092118:1305 FRW-2 **York Sample ID:** 18I1035-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18I1035	31401451.000 task 01.00	Water	September 21, 2018 1:05 pm	09/25/2018

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30	10/01/2018 14:36 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30	10/01/2018 14:36 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30	10/01/2018 14:36 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30	10/01/2018 14:36 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30	10/01/2018 14:36 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30	10/01/2018 14:36 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30	10/01/2018 14:36 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30	10/01/2018 14:36 NELAC-NY10854,NELAC-NY12058,NJDEP	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30	10/01/2018 14:36 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30	10/01/2018 14:36 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30	10/01/2018 14:36 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30	10/01/2018 14:36 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30	10/01/2018 14:36 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30	10/01/2018 14:36 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30	10/01/2018 14:36 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30	10/01/2018 14:36 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30	10/01/2018 14:36 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30	10/01/2018 14:36 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30	10/01/2018 14:36 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30	10/01/2018 14:36 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30	10/01/2018 14:36 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30	10/01/2018 14:36 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30	10/01/2018 14:36 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
591-78-6	2-Hexanone	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications:	10/01/2018 07:30	10/01/2018 14:36 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS

Sample Information

Client Sample ID: WQ092118:1305 FRW-2 **York Sample ID:** 18I1035-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18I1035	31401451.000 task 01.00	Water	September 21, 2018 1:05 pm	09/25/2018

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 14:36	RDS
67-64-1	**Acetone**	**2.06**		ug/L	1.00	2.00	1	EPA 8260C Certifications:	10/01/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 14:36	RDS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 14:36	RDS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 14:36	RDS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 14:36	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 14:36	RDS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 14:36	RDS
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 14:36	RDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 14:36	RDS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 14:36	RDS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 14:36	RDS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 14:36	RDS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 14:36	RDS
156-59-2	**cis-1,2-Dichloroethylene**	**14.5**		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 14:36	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 14:36	RDS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 14:36	RDS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 14:36	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 14:36	RDS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 14:36	RDS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 14:36	RDS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 14:36	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 14:36	RDS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	10/01/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 14:36	RDS

Sample Information

Client Sample ID: WQ092118:1305 FRW-2 **York Sample ID:** 18I1035-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18I1035	31401451.000 task 01.00	Water	September 21, 2018 1:05 pm	09/25/2018

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	10/01/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 14:36	RDS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 14:36	RDS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 14:36	RDS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	10/01/2018 14:36	RDS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications:	10/01/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	10/01/2018 14:36	RDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 14:36	RDS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 14:36	RDS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 14:36	RDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 14:36	RDS
127-18-4	**Tetrachloroethylene**	**11.9**		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 14:36	RDS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 14:36	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 14:36	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 14:36	RDS
79-01-6	**Trichloroethylene**	**1.83**		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 14:36	RDS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 14:36	RDS
75-01-4	**Vinyl Chloride**	**0.730**		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 14:36	RDS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications:	10/01/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	10/01/2018 14:36	RDS

Sample Information

Client Sample ID: WQ092118:1310 FRW-3 **York Sample ID:** 18I1035-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18I1035	31401451.000 task 01.00	Water	September 21, 2018 1:10 pm	09/25/2018

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: WQ092118:1310 FRW-3 **York Sample ID:** 18I1035-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18I1035	31401451.000 task 01.00	Water	September 21, 2018 1:10 pm	09/25/2018

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30	10/01/2018 15:05 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30	10/01/2018 15:05 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30	10/01/2018 15:05 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30	10/01/2018 15:05 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30	10/01/2018 15:05 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30	10/01/2018 15:05 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30	10/01/2018 15:05 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30	10/01/2018 15:05 NELAC-NY10854,NELAC-NY12058,NJDEP	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30	10/01/2018 15:05 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30	10/01/2018 15:05 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30	10/01/2018 15:05 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30	10/01/2018 15:05 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30	10/01/2018 15:05 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30	10/01/2018 15:05 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30	10/01/2018 15:05 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30	10/01/2018 15:05 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30	10/01/2018 15:05 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30	10/01/2018 15:05 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30	10/01/2018 15:05 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30	10/01/2018 15:05 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30	10/01/2018 15:05 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30	10/01/2018 15:05 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30	10/01/2018 15:05 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
591-78-6	2-Hexanone	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications:	10/01/2018 07:30	10/01/2018 15:05 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS

Sample Information

Client Sample ID: WQ092118:1310 FRW-3 **York Sample ID:** 18I1035-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18I1035	31401451.000 task 01.00	Water	September 21, 2018 1:10 pm	09/25/2018

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 15:05	RDS
67-64-1	**Acetone**	**1.53**		ug/L	1.00	2.00	1	EPA 8260C Certifications:	10/01/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 15:05	RDS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 15:05	RDS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 15:05	RDS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 15:05	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 15:05	RDS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 15:05	RDS
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 15:05	RDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 15:05	RDS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 15:05	RDS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 15:05	RDS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 15:05	RDS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 15:05	RDS
156-59-2	**cis-1,2-Dichloroethylene**	**19.8**		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 15:05	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 15:05	RDS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 15:05	RDS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 15:05	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 15:05	RDS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 15:05	RDS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 15:05	RDS
98-82-8	**Isopropylbenzene**	**0.220**		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 15:05	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 15:05	RDS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	10/01/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 15:05	RDS

Sample Information

Client Sample ID: WQ092118:1310 FRW-3 **York Sample ID:** 18I1035-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18I1035	31401451.000 task 01.00	Water	September 21, 2018 1:10 pm	09/25/2018

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	10/01/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 15:05	RDS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 15:05	RDS
103-65-1	**n-Propylbenzene**	**0.300**		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 15:05	RDS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	10/01/2018 15:05	RDS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications:	10/01/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	10/01/2018 15:05	RDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 15:05	RDS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 15:05	RDS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 15:05	RDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 15:05	RDS
127-18-4	**Tetrachloroethylene**	**19.6**		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 15:05	RDS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 15:05	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 15:05	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 15:05	RDS
79-01-6	**Trichloroethylene**	**2.99**		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 15:05	RDS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 15:05	RDS
75-01-4	**Vinyl Chloride**	**2.04**		ug/L	0.200	0.500	1	EPA 8260C Certifications:	10/01/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	10/01/2018 15:05	RDS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications:	10/01/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	10/01/2018 15:05	RDS

Sample Information

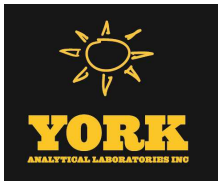
Client Sample ID: WQ092118:1315 FRW-4 **York Sample ID:** 18I1035-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18I1035	31401451.000 task 01.00	Water	September 21, 2018 1:15 pm	09/25/2018

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: **WQ092118:1315 FRW-4** **York Sample ID:** **18I1035-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18I1035	31401451.000 task 01.00	Water	September 21, 2018 1:15 pm	09/25/2018

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 18:58 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 18:58 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 18:58 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 18:58 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 18:58 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 18:58 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 18:58 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 18:58 NELAC-NY10854,NELAC-NY12058,NJDEP	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 18:58 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 18:58 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 18:58 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 18:58 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 18:58 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 18:58 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 18:58 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 18:58 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 18:58 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 18:58 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 18:58 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 18:58 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 18:58 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 18:58 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 18:58 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
591-78-6	2-Hexanone	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 18:58 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS

Sample Information

Client Sample ID: WQ092118:1315 FRW-4 **York Sample ID:** 18I1035-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18I1035	31401451.000 task 01.00	Water	September 21, 2018 1:15 pm	09/25/2018

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 18:58	RDS
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	09/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 18:58	RDS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 18:58	RDS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 18:58	RDS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 18:58	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 18:58	RDS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 18:58	RDS
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 18:58	RDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 18:58	RDS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 18:58	RDS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 18:58	RDS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 18:58	RDS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 18:58	RDS
156-59-2	**cis-1,2-Dichloroethylene**	**1.38**		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 18:58	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 18:58	RDS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 18:58	RDS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 18:58	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 18:58	RDS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 18:58	RDS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 18:58	RDS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 18:58	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 18:58	RDS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	09/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 18:58	RDS

Sample Information

Client Sample ID: WQ092118:1315 FRW-4 **York Sample ID:** 18I1035-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18I1035	31401451.000 task 01.00	Water	September 21, 2018 1:15 pm	09/25/2018

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	09/27/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 18:58	RDS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 18:58	RDS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 18:58	RDS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/27/2018 18:58	RDS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications:	09/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/27/2018 18:58	RDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 18:58	RDS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 18:58	RDS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 18:58	RDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 18:58	RDS
127-18-4	**Tetrachloroethylene**	**4.21**		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 18:58	RDS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 18:58	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 18:58	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 18:58	RDS
79-01-6	**Trichloroethylene**	**1.02**		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 18:58	RDS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 18:58	RDS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 18:58	RDS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications:	09/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/27/2018 18:58	RDS

Sample Information

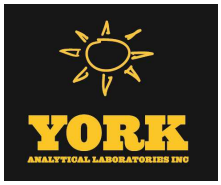
Client Sample ID: WQ092118:1350 NP1-1-2 **York Sample ID:** 18I1035-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18I1035	31401451.000 task 01.00	Water	September 21, 2018 1:50 pm	09/25/2018

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: **WQ092118:1350 NP1-1-2** **York Sample ID:** **18I1035-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18I1035	31401451.000 task 01.00	Water	September 21, 2018 1:50 pm	09/25/2018

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 19:27	RDS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 19:27	RDS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 19:27	RDS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 19:27	RDS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 19:27	RDS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 19:27	RDS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 19:27	RDS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 19:27	RDS NELAC-NY10854,NELAC-NY12058,NJDEP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 19:27	RDS NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 19:27	RDS NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 19:27	RDS NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 19:27	RDS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 19:27	RDS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 19:27	RDS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 19:27	RDS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 19:27	RDS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 19:27	RDS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 19:27	RDS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 19:27	RDS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 19:27	RDS NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 19:27	RDS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 19:27	RDS NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 19:27	RDS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
591-78-6	2-Hexanone	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications:	09/27/2018 07:30	09/27/2018 19:27	RDS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP

Sample Information

Client Sample ID: WQ092118:1350 NP1-1-2 **York Sample ID:** 18I1035-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18I1035	31401451.000 task 01.00	Water	September 21, 2018 1:50 pm	09/25/2018

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 19:27	RDS
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	09/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 19:27	RDS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 19:27	RDS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 19:27	RDS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 19:27	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 19:27	RDS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 19:27	RDS
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 19:27	RDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 19:27	RDS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 19:27	RDS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 19:27	RDS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 19:27	RDS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 19:27	RDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 19:27	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 19:27	RDS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 19:27	RDS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 19:27	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 19:27	RDS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 19:27	RDS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 19:27	RDS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 19:27	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 19:27	RDS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	09/27/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/27/2018 19:27	RDS

Sample Information

Client Sample ID: WQ092118:1350 NP1-1-2 **York Sample ID:** 18I1035-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18I1035	31401451.000 task 01.00	Water	September 21, 2018 1:50 pm	09/25/2018

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C	09/27/2018 07:30	09/27/2018 19:27	RDS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	09/27/2018 07:30	09/27/2018 19:27	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	09/27/2018 07:30	09/27/2018 19:27	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C	09/27/2018 07:30	09/27/2018 19:27	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C	09/27/2018 07:30	09/27/2018 19:27	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C	09/27/2018 07:30	09/27/2018 19:27	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	09/27/2018 07:30	09/27/2018 19:27	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C	09/27/2018 07:30	09/27/2018 19:27	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	09/27/2018 07:30	09/27/2018 19:27	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	**Tetrachloroethylene**	**0.370**		ug/L	0.200	0.500	1	EPA 8260C	09/27/2018 07:30	09/27/2018 19:27	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C	09/27/2018 07:30	09/27/2018 19:27	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	09/27/2018 07:30	09/27/2018 19:27	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	09/27/2018 07:30	09/27/2018 19:27	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	**Trichloroethylene**	**0.260**		ug/L	0.200	0.500	1	EPA 8260C	09/27/2018 07:30	09/27/2018 19:27	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	09/27/2018 07:30	09/27/2018 19:27	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C	09/27/2018 07:30	09/27/2018 19:27	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C	09/27/2018 07:30	09/27/2018 19:27	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

Analytical Batch Summary

Batch ID: BI81359 **Preparation Method:** EPA 5030B **Prepared By:** TAB

YORK Sample ID	Client Sample ID	Preparation Date
18I1035-04	WQ092118:1315 FRW-4	09/27/18
18I1035-05	WQ092118:1350 NP1-1-2	09/27/18

Batch ID: BJ80009 **Preparation Method:** EPA 5030B **Prepared By:** TAB

YORK Sample ID	Client Sample ID	Preparation Date
18I1035-01	WQ092118:1300 FRW-1	10/01/18
18I1035-02	WQ092118:1305 FRW-2	10/01/18
18I1035-03	WQ092118:1310 FRW-3	10/01/18

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

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
18I1035-01	WQ092118:1300 FRW-1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18I1035-02	WQ092118:1305 FRW-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18I1035-03	WQ092118:1310 FRW-3	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18I1035-04	WQ092118:1315 FRW-4	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18I1035-05	WQ092118:1350 NP1-1-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Sample and Data Qualifiers Relating to This Work Order

Definitions and Other Explanations

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

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

Field Chain-of-Custody Record

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

York Project No. 18I1035

YOUR Information	Report to:	Invoice To:	Your Project ID	Turn-Around Time	Report/Deliverable Type
Company: WSP USA	SAME [X]	SAME [X]	31401451.000 task 01.00	RUSH-Same Day	Summary Report X, PDF
Address: 4 Research Drive	Name:	Name:		RUSH-Next Day	QA Report X, PDF
Suite 301, Shelton CT 06484	Company:	Company:	Purchase Order #	RUSH-Two Day	CT RCP
Phone.: 203.929.8555	Address:	Address:	31401451.000 task 01.00	RUSH-Three Day	CT RCP DQA/DUE Pkg
Contact: Tunde Sandor				RUSH-Four Day	NY ASP A Package
E-mail: tunde.sandor@wsp.com		E-mail	Samples from CT__NY x_NJ__	Standard (5-7day) X	NY ASP B Package X, PDF
					NJDEP Reduced Deliv
					Excel X
					NYSDEC EQuIS
					NJDEP SRP HazSite
					EQuIS
					GIS/KEY (std)
					YORK Regulatory Comp Excel compared to:
					OTHER:

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

Samples Collected/Authorized By (Signature)

Evan Foster
Name (printed)

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

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.
624	Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part360-Routine
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part360-Baseline
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part360-Expanded No Dioxins/Furans
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part360-Expanded Full List
Halog.only	NJDEP list	App. IX	Chlordane	Indiv. Metals	Air TICs	NYCDEP Sewer
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM

Sample Identification	Date+Time Sampled	Matrix	Analysis Requested (List above includes common analysis)	Container Description
WQ092118: 1300 FRW-1	9-21-18 1300	GW	VOCs 8260 full plus freon 113	3 VOA 'S
1305 FRW-2	1305			
1310 FRW-3	1310			
1315 FRW-4	1315			
1350 MP1-1-2	1350			

Comments:

Preservation (check all applicable): 4°C ___ Frozen ___ HCl ✓ MeOH ___ HNO_3 ✓ H_2SO_4 ___ NaOH ___ ZnAc ___ Ascorbic Acid ___ Other ___

Special Instructions
Field Filtered ☐
Lab to Filter ☐

(system)

Samples Relinquished By	Date/Time	Samples Received By	Date/Time
	9/25/18 1210		9/25/18 12:10
Samples Relinquished By	Date/Time	Samples Received in LAB by	Date/Time
			9-25-18 1319

Temperature on Receipt: 0.7 °C

Technical Report

prepared for:

WSP USA, Inc. (Shelton)
4 Research Drive, Suite 204
Shelton CT, 06484
Attention: Tunde Komuves-Sandor

Report Date: 09/06/2018
Client Project ID: 31401451.000 task 01.00
York Project (SDG) No.: 18H1393

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

Report Date: 09/06/2018
Client Project ID: 31401451.000 task 01.00
York Project (SDG) No.: 18H1393

WSP USA, Inc. (Shelton)
4 Research Drive, Suite 204
Shelton CT, 06484
Attention: Tunde Komuves-Sandor

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 August 30, 2018 and listed below. The project was identified as your project: **31401451.000 task 01.00**.

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.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
18H1393-01	WQ082818:900 FRW-1	Water	08/28/2018	08/30/2018
18H1393-02	WQ082818:905 FRW-2	Water	08/28/2018	08/30/2018
18H1393-03	WQ082818:910 FRW-3	Water	08/28/2018	08/30/2018
18H1393-04	WQ082818:915 FRW-4	Water	08/28/2018	08/30/2018
18H1393-05	WQ082818:850 NP1-1-2	Water	08/28/2018	08/30/2018

General Notes for York Project (SDG) No.: 18H1393

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: 

Date: 09/06/2018

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: WQ082818:900 FRW-1 **York Sample ID:** 18H1393-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H1393	31401451.000 task 01.00	Water	August 28, 2018 9:00 am	08/30/2018

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:59 NELAC-NY10854,NELAC-NY12058,NJDEP	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:59 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:59 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:59	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:59 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:59 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS

Sample Information

Client Sample ID: WQ082818:900 FRW-1 **York Sample ID:** 18H1393-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H1393	31401451.000 task 01.00	Water	August 28, 2018 9:00 am	08/30/2018

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications:	09/04/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:59	RDS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:59	RDS
78-93-3	**2-Butanone**	**2.10**		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:59	RDS
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:59	RDS
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:59	RDS
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:59	RDS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:59	RDS
67-64-1	**Acetone**	**11.1**	ICV-E	ug/L	1.00	2.00	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:59	RDS
107-02-8	Acrolein	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:59	RDS
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:59	RDS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:59	RDS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:59	RDS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:59	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:59	RDS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:59	RDS
74-83-9	Bromomethane	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:59	RDS
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:59	RDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:59	RDS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:59	RDS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:59	RDS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:59	RDS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:59	RDS
156-59-2	**cis-1,2-Dichloroethylene**	**9.05**	CCV-E	ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:59	RDS

Sample Information

Client Sample ID: WQ082818:900 FRW-1 **York Sample ID:** 18H1393-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H1393	31401451.000 task 01.00	Water	August 28, 2018 9:00 am	08/30/2018

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:59 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:59 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:59 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
108-20-3	Diisopropyl ether (DIPE)	ND		ug/L	0.400	0.800	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:59 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
637-92-3	Ethyl tert-butyl ether (ETBE)	ND		ug/L	0.400	0.800	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:59 NELAC-NY10854,NELAC-NY12058,NJDEP	RDS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:59 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
74-88-4	* Iodomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:59	RDS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:59 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
80-62-6	Methyl Methacrylate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:59 NELAC-NY10854,NELAC-NY12058,NJDEP	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:59 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:59 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:59 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:59 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	RDS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:59 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	RDS
105-05-5	* p-Diethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:59	RDS
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 15:59	RDS

Sample Information

Client Sample ID: WQ082818:900 FRW-1 **York Sample ID:** 18H1393-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H1393	31401451.000 task 01.00	Water	August 28, 2018 9:00 am	08/30/2018

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:59	RDS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:59	RDS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:59	RDS
75-85-4	tert-Amyl alcohol (TAA)	ND		ug/L	4.00	8.00	1	EPA 8260C Certifications:	09/04/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:59	RDS
994-05-8	tert-Amyl methyl ether (TAME)	ND		ug/L	0.400	0.800	1	EPA 8260C Certifications:	09/04/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:59	RDS
75-65-0	**tert-Butyl alcohol (TBA)**	**3.69**	CCV-E	ug/L	0.500	1.00	1	EPA 8260C Certifications:	09/04/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:59	RDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:59	RDS
127-18-4	**Tetrachloroethylene**	**7.26**		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:59	RDS
109-99-9	*** Tetrahydrofuran**	**278**		ug/L	2.00	5.00	10	EPA 8260C Certifications:	09/04/2018 07:30	09/05/2018 18:01	SS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:59	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:59	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:59	RDS
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:59	RDS
79-01-6	**Trichloroethylene**	**4.16**		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:59	RDS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:59	RDS
108-05-4	Vinyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:59	RDS
75-01-4	**Vinyl Chloride**	**0.220**		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 15:59	RDS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/04/2018 15:59	RDS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*117 %*	*70-130*
2037-26-5	*Surrogate: Toluene-d8*	*91.1 %*	*70-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*88.6 %*	*70-130*

Sample Information

Client Sample ID: WQ082818:905 FRW-2 **York Sample ID:** 18H1393-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H1393	31401451.000 task 01.00	Water	August 28, 2018 9:03 am	08/30/2018

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 16:28 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 16:28 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 16:28 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 16:28 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 16:28 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 16:28 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 16:28 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 16:28 NELAC-NY10854,NELAC-NY12058,NJDEP	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 16:28 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 16:28 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 16:28	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 16:28 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 16:28 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 16:28 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 16:28 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 16:28 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 16:28 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 16:28 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 16:28 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 16:28 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 16:28 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 16:28 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 16:28 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS

Sample Information

Client Sample ID: WQ082818:905 FRW-2 **York Sample ID:** 18H1393-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H1393	31401451.000 task 01.00	Water	August 28, 2018 9:03 am	08/30/2018

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 16:28	RDS
78-93-3	**2-Butanone**	**77.7**		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 16:28	RDS
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 16:28	RDS
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 16:28	RDS
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 16:28	RDS
108-10-1	**4-Methyl-2-pentanone**	**0.270**		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 16:28	RDS
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 16:28	RDS
107-02-8	Acrolein	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 16:28	RDS
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 16:28	RDS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 16:28	RDS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 16:28	RDS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 16:28	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 16:28	RDS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 16:28	RDS
74-83-9	Bromomethane	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 16:28	RDS
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 16:28	RDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 16:28	RDS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 16:28	RDS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 16:28	RDS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 16:28	RDS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 16:28	RDS
156-59-2	**cis-1,2-Dichloroethylene**	**29.0**	CCV-E	ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 16:28	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 16:28	RDS

Sample Information

Client Sample ID: WQ082818:905 FRW-2 **York Sample ID:** 18H1393-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H1393	31401451.000 task 01.00	Water	August 28, 2018 9:03 am	08/30/2018

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 16:28	RDS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 16:28	RDS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 16:28	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 16:28	RDS
108-20-3	Diisopropyl ether (DIPE)	ND		ug/L	0.400	0.800	1	EPA 8260C Certifications:	09/04/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 16:28	RDS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 16:28	RDS
637-92-3	Ethyl tert-butyl ether (ETBE)	ND		ug/L	0.400	0.800	1	EPA 8260C Certifications:	09/04/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP	09/04/2018 16:28	RDS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 16:28	RDS
74-88-4	* Iodomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 16:28	RDS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 16:28	RDS
79-20-9	**Methyl acetate**	**1.11**		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 16:28	RDS
80-62-6	Methyl Methacrylate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP	09/04/2018 16:28	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 16:28	RDS
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 16:28	RDS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 16:28	RDS
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	09/04/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 16:28	RDS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 16:28	RDS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 16:28	RDS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/04/2018 16:28	RDS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/04/2018 16:28	RDS
105-05-5	* p-Diethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 16:28	RDS
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 16:28	RDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 16:28	RDS

Sample Information

Client Sample ID: WQ082818:905 FRW-2 **York Sample ID:** 18H1393-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H1393	31401451.000 task 01.00	Water	August 28, 2018 9:03 am	08/30/2018

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	09/04/2018 07:30	09/04/2018 16:28	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	**Styrene**	**0.240**		ug/L	0.200	0.500	1	EPA 8260C	09/04/2018 07:30	09/04/2018 16:28	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-85-4	tert-Amyl alcohol (TAA)	ND		ug/L	4.00	8.00	1	EPA 8260C	09/04/2018 07:30	09/04/2018 16:28	RDS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
994-05-8	tert-Amyl methyl ether (TAME)	ND		ug/L	0.400	0.800	1	EPA 8260C	09/04/2018 07:30	09/04/2018 16:28	RDS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C	09/04/2018 07:30	09/04/2018 16:28	RDS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	09/04/2018 07:30	09/04/2018 16:28	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	09/04/2018 07:30	09/04/2018 16:28	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
109-99-9	*** Tetrahydrofuran**	**204**		ug/L	1.00	2.50	5	EPA 8260C	09/04/2018 07:30	09/05/2018 18:33	SS
								Certifications:			
108-88-3	**Toluene**	**0.510**		ug/L	0.200	0.500	1	EPA 8260C	09/04/2018 07:30	09/04/2018 16:28	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	09/04/2018 07:30	09/04/2018 16:28	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	09/04/2018 07:30	09/04/2018 16:28	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.200	0.500	1	EPA 8260C	09/04/2018 07:30	09/04/2018 16:28	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	**Trichloroethylene**	**0.300**		ug/L	0.200	0.500	1	EPA 8260C	09/04/2018 07:30	09/04/2018 16:28	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	09/04/2018 07:30	09/04/2018 16:28	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-05-4	Vinyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C	09/04/2018 07:30	09/04/2018 16:28	RDS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-01-4	**Vinyl Chloride**	**2.48**		ug/L	0.200	0.500	1	EPA 8260C	09/04/2018 07:30	09/04/2018 16:28	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C	09/04/2018 07:30	09/04/2018 16:28	RDS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*121 %*	*70-130*
2037-26-5	*Surrogate: Toluene-d8*	*90.8 %*	*70-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*88.6 %*	*70-130*

Sample Information

Client Sample ID: WQ082818:910 FRW-3 **York Sample ID:** 18H1393-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H1393	31401451.000 task 01.00	Water	August 28, 2018 9:10 am	08/30/2018

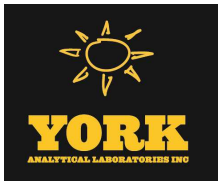
Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 16:57 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 16:57 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 16:57 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 16:57 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 16:57 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 16:57 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 16:57 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 16:57 NELAC-NY10854,NELAC-NY12058,NJDEP	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 16:57 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 16:57 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 16:57	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 16:57 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 16:57 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 16:57 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 16:57 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 16:57 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 16:57 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 16:57 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 16:57 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 16:57 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 16:57 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 16:57 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 16:57 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS



Sample Information

Client Sample ID: WQ082818:910 FRW-3 **York Sample ID:** 18H1393-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H1393	31401451.000 task 01.00	Water	August 28, 2018 9:10 am	08/30/2018

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 16:57	RDS
78-93-3	**2-Butanone**	**3.20**		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 16:57	RDS
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 16:57	RDS
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 16:57	RDS
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 16:57	RDS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 16:57	RDS
67-64-1	**Acetone**	**6.77**	ICV-E	ug/L	1.00	2.00	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 16:57	RDS
107-02-8	Acrolein	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 16:57	RDS
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 16:57	RDS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 16:57	RDS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 16:57	RDS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 16:57	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 16:57	RDS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 16:57	RDS
74-83-9	Bromomethane	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 16:57	RDS
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 16:57	RDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 16:57	RDS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 16:57	RDS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 16:57	RDS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 16:57	RDS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 16:57	RDS
156-59-2	**cis-1,2-Dichloroethylene**	**20.3**	CCV-E	ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 16:57	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 16:57	RDS

Sample Information

Client Sample ID: WQ082818:910 FRW-3 **York Sample ID:** 18H1393-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H1393	31401451.000 task 01.00	Water	August 28, 2018 9:10 am	08/30/2018

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 16:57	RDS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 16:57	RDS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 16:57	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 16:57	RDS
108-20-3	Diisopropyl ether (DIPE)	ND		ug/L	0.400	0.800	1	EPA 8260C Certifications:	09/04/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 16:57	RDS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 16:57	RDS
637-92-3	Ethyl tert-butyl ether (ETBE)	ND		ug/L	0.400	0.800	1	EPA 8260C Certifications:	09/04/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP	09/04/2018 16:57	RDS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 16:57	RDS
74-88-4	* Iodomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 16:57	RDS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 16:57	RDS
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 16:57	RDS
80-62-6	Methyl Methacrylate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP	09/04/2018 16:57	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 16:57	RDS
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 16:57	RDS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 16:57	RDS
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	09/04/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 16:57	RDS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 16:57	RDS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 16:57	RDS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/04/2018 16:57	RDS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/04/2018 16:57	RDS
105-05-5	* p-Diethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 16:57	RDS
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 16:57	RDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 16:57	RDS

Sample Information

Client Sample ID: WQ082818:910 FRW-3 **York Sample ID:** 18H1393-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H1393	31401451.000 task 01.00	Water	August 28, 2018 9:10 am	08/30/2018

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 16:57 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 16:57 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
75-85-4	tert-Amyl alcohol (TAA)	ND		ug/L	4.00	8.00	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 16:57 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
994-05-8	tert-Amyl methyl ether (TAME)	ND		ug/L	0.400	0.800	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 16:57 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 16:57 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 16:57 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
127-18-4	**Tetrachloroethylene**	**6.16**		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 16:57 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
109-99-9	*** Tetrahydrofuran**	**10.7**		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 16:57	RDS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 16:57 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 16:57 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 16:57 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 16:57 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
79-01-6	**Trichloroethylene**	**0.990**		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 16:57 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 16:57 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
108-05-4	Vinyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 16:57 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
75-01-4	**Vinyl Chloride**	**0.840**		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 16:57 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 16:57 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	RDS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*121 %*	*70-130*
2037-26-5	*Surrogate: Toluene-d8*	*90.1 %*	*70-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*86.6 %*	*70-130*

Sample Information

Client Sample ID: WQ082818:915 FRW-4 **York Sample ID:** 18H1393-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H1393	31401451.000 task 01.00	Water	August 28, 2018 9:15 am	08/30/2018

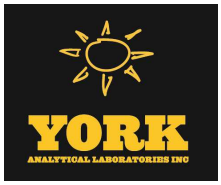
Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 17:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 17:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 17:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 17:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 17:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 17:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 17:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 17:26 NELAC-NY10854,NELAC-NY12058,NJDEP	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 17:26 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 17:26 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 17:26	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 17:26 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 17:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 17:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 17:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 17:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 17:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 17:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 17:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 17:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 17:26 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 17:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 17:26 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS



Sample Information

Client Sample ID: **WQ082818:915 FRW-4** **York Sample ID:** **18H1393-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H1393	31401451.000 task 01.00	Water	August 28, 2018 9:15 am	08/30/2018

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 17:26	RDS
78-93-3	**2-Butanone**	**1.80**		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 17:26	RDS
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 17:26	RDS
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 17:26	RDS
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 17:26	RDS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 17:26	RDS
67-64-1	**Acetone**	**10.3**	ICV-E	ug/L	1.00	2.00	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 17:26	RDS
107-02-8	Acrolein	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 17:26	RDS
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 17:26	RDS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 17:26	RDS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 17:26	RDS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 17:26	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 17:26	RDS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 17:26	RDS
74-83-9	Bromomethane	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 17:26	RDS
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 17:26	RDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 17:26	RDS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 17:26	RDS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 17:26	RDS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 17:26	RDS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 17:26	RDS
156-59-2	**cis-1,2-Dichloroethylene**	**4.95**	CCV-E	ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 17:26	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 17:26	RDS

Sample Information

Client Sample ID: WQ082818:915 FRW-4 **York Sample ID:** 18H1393-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H1393	31401451.000 task 01.00	Water	August 28, 2018 9:15 am	08/30/2018

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 17:26	RDS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 17:26	RDS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 17:26	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 17:26	RDS
108-20-3	Diisopropyl ether (DIPE)	ND		ug/L	0.400	0.800	1	EPA 8260C Certifications:	09/04/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 17:26	RDS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 17:26	RDS
637-92-3	Ethyl tert-butyl ether (ETBE)	ND		ug/L	0.400	0.800	1	EPA 8260C Certifications:	09/04/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP	09/04/2018 17:26	RDS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 17:26	RDS
74-88-4	* Iodomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 17:26	RDS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 17:26	RDS
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 17:26	RDS
80-62-6	Methyl Methacrylate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP	09/04/2018 17:26	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 17:26	RDS
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 17:26	RDS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 17:26	RDS
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	09/04/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 17:26	RDS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 17:26	RDS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 17:26	RDS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/04/2018 17:26	RDS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/04/2018 17:26	RDS
105-05-5	* p-Diethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 17:26	RDS
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 17:26	RDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 17:26	RDS

Sample Information

Client Sample ID: WQ082818:915 FRW-4 **York Sample ID:** 18H1393-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H1393	31401451.000 task 01.00	Water	August 28, 2018 9:15 am	08/30/2018

Volatile Organics, 8260 List - Low Level

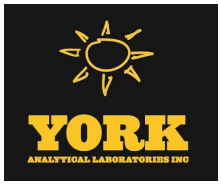
Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 17:26	RDS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 17:26	RDS
75-85-4	tert-Amyl alcohol (TAA)	ND		ug/L	4.00	8.00	1	EPA 8260C Certifications:	09/04/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 17:26	RDS
994-05-8	tert-Amyl methyl ether (TAME)	ND		ug/L	0.400	0.800	1	EPA 8260C Certifications:	09/04/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 17:26	RDS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications:	09/04/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 17:26	RDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 17:26	RDS
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 17:26	RDS
109-99-9	*** Tetrahydrofuran**	**308**		ug/L	2.00	5.00	10	EPA 8260C Certifications:	09/04/2018 07:30	09/05/2018 19:05	SS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 17:26	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 17:26	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 17:26	RDS
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 17:26	RDS
79-01-6	**Trichloroethylene**	**0.450**		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 17:26	RDS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 17:26	RDS
108-05-4	Vinyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 17:26	RDS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 17:26	RDS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/04/2018 17:26	RDS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*118 %*	*70-130*
2037-26-5	*Surrogate: Toluene-d8*	*91.0 %*	*70-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*88.4 %*	*70-130*



Sample Information

Client Sample ID: WQ082818:850 NP1-1-2 **York Sample ID:** 18H1393-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H1393	31401451.000 task 01.00	Water	August 28, 2018 8:50 am	08/30/2018

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 17:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 17:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 17:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 17:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 17:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 17:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 17:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 17:55 NELAC-NY10854,NELAC-NY12058,NJDEP	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 17:55 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 17:55 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
95-93-2	* 1,2,4,5-Tetramethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 17:55	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 17:55 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 17:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 17:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 17:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 17:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 17:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 17:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 17:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 17:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 17:55 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 17:55 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 17:55 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS

Sample Information

Client Sample ID: WQ082818:850 NP1-1-2 **York Sample ID:** 18H1393-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H1393	31401451.000 task 01.00	Water	August 28, 2018 8:50 am	08/30/2018

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 17:55	RDS
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 17:55	RDS
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 17:55	RDS
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 17:55	RDS
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 17:55	RDS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 17:55	RDS
67-64-1	**Acetone**	**1.88**	ICV-E	ug/L	1.00	2.00	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 17:55	RDS
107-02-8	Acrolein	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 17:55	RDS
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 17:55	RDS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 17:55	RDS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 17:55	RDS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 17:55	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 17:55	RDS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 17:55	RDS
74-83-9	Bromomethane	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 17:55	RDS
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 17:55	RDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 17:55	RDS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 17:55	RDS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 17:55	RDS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 17:55	RDS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 17:55	RDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 17:55	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 17:55	RDS

Sample Information

Client Sample ID: WQ082818:850 NP1-1-2 **York Sample ID:** 18H1393-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H1393	31401451.000 task 01.00	Water	August 28, 2018 8:50 am	08/30/2018

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 17:55	RDS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 17:55	RDS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 17:55	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 17:55	RDS
108-20-3	Diisopropyl ether (DIPE)	ND		ug/L	0.400	0.800	1	EPA 8260C Certifications:	09/04/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 17:55	RDS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 17:55	RDS
637-92-3	Ethyl tert-butyl ether (ETBE)	ND		ug/L	0.400	0.800	1	EPA 8260C Certifications:	09/04/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP	09/04/2018 17:55	RDS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 17:55	RDS
74-88-4	* Iodomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 17:55	RDS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 17:55	RDS
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 17:55	RDS
80-62-6	Methyl Methacrylate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP	09/04/2018 17:55	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 17:55	RDS
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 17:55	RDS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 17:55	RDS
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	09/04/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 17:55	RDS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 17:55	RDS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 17:55	RDS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/04/2018 17:55	RDS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/04/2018 17:55	RDS
105-05-5	* p-Diethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 17:55	RDS
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 17:55	RDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 17:55	RDS

Sample Information

Client Sample ID: WQ082818:850 NP1-1-2 **York Sample ID:** 18H1393-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H1393	31401451.000 task 01.00	Water	August 28, 2018 8:50 am	08/30/2018

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 17:55	RDS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 17:55	RDS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-85-4	tert-Amyl alcohol (TAA)	ND		ug/L	4.00	8.00	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 17:55	RDS NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
994-05-8	tert-Amyl methyl ether (TAME)	ND		ug/L	0.400	0.800	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 17:55	RDS NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 17:55	RDS NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 17:55	RDS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 17:55	RDS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
109-99-9	*** Tetrahydrofuran**	**4.90**		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 17:55	RDS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 17:55	RDS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 17:55	RDS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 17:55	RDS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 17:55	RDS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 17:55	RDS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 17:55	RDS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
108-05-4	Vinyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 17:55	RDS NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 17:55	RDS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications:	09/04/2018 07:30	09/04/2018 17:55	RDS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*109 %*	*70-130*
2037-26-5	*Surrogate: Toluene-d8*	*90.9 %*	*70-130*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*91.6 %*	*70-130*

Analytical Batch Summary

Batch ID: BI80009 **Preparation Method:** EPA 5030B **Prepared By:** RDS

YORK Sample ID	Client Sample ID	Preparation Date
18H1393-01	WQ082818:900 FRW-1	09/04/18
18H1393-02	WQ082818:905 FRW-2	09/04/18
18H1393-03	WQ082818:910 FRW-3	09/04/18
18H1393-04	WQ082818:915 FRW-4	09/04/18
18H1393-05	WQ082818:850 NP1-1-2	09/04/18
BI80009-BLK1	Blank	09/04/18
BI80009-BS1	LCS	09/04/18
BI80009-BSD1	LCS Dup	09/04/18

Batch ID: BI80068 **Preparation Method:** EPA 5030B **Prepared By:** RDS

YORK Sample ID	Client Sample ID	Preparation Date
18H1393-01RE1	WQ082818:900 FRW-1	09/04/18
18H1393-02RE1	WQ082818:905 FRW-2	09/04/18
18H1393-04RE1	WQ082818:915 FRW-4	09/04/18
BI80068-BLK1	Blank	09/05/18
BI80068-BS1	LCS	09/05/18
BI80068-BSD1	LCS Dup	09/05/18

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI80009 - EPA 5030B											
Blank (BI80009-BLK1)									Prepared & Analyzed: 09/04/2018		
1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,1-Trichloroethane	ND	0.500	"								
1,1,2,2-Tetrachloroethane	ND	0.500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"								
1,1,2-Trichloroethane	ND	0.500	"								
1,1-Dichloroethane	ND	0.500	"								
1,1-Dichloroethylene	ND	0.500	"								
1,1-Dichloropropylene	ND	0.500	"								
1,2,3-Trichlorobenzene	ND	0.500	"								
1,2,3-Trichloropropane	ND	0.500	"								
1,2,4,5-Tetramethylbenzene	ND	0.500	"								
1,2,4-Trichlorobenzene	ND	0.500	"								
1,2,4-Trimethylbenzene	ND	0.500	"								
1,2-Dibromo-3-chloropropane	ND	0.500	"								
1,2-Dibromoethane	ND	0.500	"								
1,2-Dichlorobenzene	ND	0.500	"								
1,2-Dichloroethane	ND	0.500	"								
1,2-Dichloropropane	ND	0.500	"								
1,3,5-Trimethylbenzene	ND	0.500	"								
1,3-Dichlorobenzene	ND	0.500	"								
1,3-Dichloropropane	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
1,4-Dioxane	ND	80.0	"								
2,2-Dichloropropane	ND	0.500	"								
2-Butanone	ND	0.500	"								
2-Chlorotoluene	ND	0.500	"								
2-Hexanone	ND	0.500	"								
4-Chlorotoluene	ND	0.500	"								
4-Methyl-2-pentanone	ND	0.500	"								
Acetone	ND	2.00	"								
Acrolein	ND	2.00	"								
Acrylonitrile	ND	0.500	"								
Benzene	ND	0.500	"								
Bromobenzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								
Bromodichloromethane	ND	0.500	"								
Bromoform	ND	0.500	"								
Bromomethane	ND	2.00	"								
Carbon disulfide	ND	0.500	"								
Carbon tetrachloride	ND	0.500	"								
Chlorobenzene	ND	0.500	"								
Chloroethane	ND	0.500	"								
Chloroform	ND	0.500	"								
Chloromethane	ND	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
cis-1,3-Dichloropropylene	ND	0.500	"								
Cyclohexane	ND	0.500	"								
Dibromochloromethane	ND	0.500	"								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI80009 - EPA 5030B											
Blank (BI80009-BLK1)									Prepared & Analyzed: 09/04/2018		
Diisopropyl ether (DIPE)	ND	0.800	ug/L								
Ethyl Benzene	ND	0.500	"								
Ethyl tert-butyl ether (ETBE)	ND	0.800	"								
Hexachlorobutadiene	ND	0.500	"								
Iodomethane	ND	0.500	"								
Isopropylbenzene	ND	0.500	"								
Methyl acetate	ND	0.500	"								
Methyl Methacrylate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylcyclohexane	ND	0.500	"								
Methylene chloride	ND	2.00	"								
Naphthalene	ND	2.00	"								
n-Butylbenzene	ND	0.500	"								
n-Propylbenzene	ND	0.500	"								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Diethylbenzene	ND	0.500	"								
p-Ethyltoluene	ND	0.500	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Amyl alcohol (TAA)	ND	8.00	"								
tert-Amyl methyl ether (TAME)	ND	0.800	"								
tert-Butyl alcohol (TBA)	ND	1.00	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Tetrahydrofuran	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
trans-1,4-dichloro-2-butene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl acetate	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								
Surrogate: 1,2-Dichloroethane-d4	*10.8*		*"*	*10.0*		*108*	*70-130*				
Surrogate: Toluene-d8	*9.16*		*"*	*10.0*		*91.6*	*70-130*				
Surrogate: p-Bromofluorobenzene	*9.34*		*"*	*10.0*		*93.4*	*70-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI80009 - EPA 5030B											
LCS (BI80009-BS1)								Prepared & Analyzed: 09/04/2018			
1,1,1,2-Tetrachloroethane	10.7		ug/L	10.0		107	82-126			30	
1,1,1-Trichloroethane	11.4		"	10.0		114	70-130			20	
1,1,2,2-Tetrachloroethane	9.38		"	10.0		93.8	70-130			20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	14.7		"	10.0		147	70-130	High Bias		20	
1,1,2-Trichloroethane	9.32		"	10.0		93.2	70-130			20	
1,1-Dichloroethane	11.6		"	10.0		116	70-130			20	
1,1-Dichloroethylene	13.9		"	10.0		139	70-130	High Bias		20	
1,1-Dichloropropylene	11.6		"	10.0		116	83-133			30	
1,2,3-Trichlorobenzene	8.28		"	10.0		82.8	70-130			20	
1,2,3-Trichloropropane	9.28		"	10.0		92.8	77-128			30	
1,2,4,5-Tetramethylbenzene	10.3		"	10.0		103	85-140			30	
1,2,4-Trichlorobenzene	9.00		"	10.0		90.0	70-130			20	
1,2,4-Trimethylbenzene	10.6		"	10.0		106	82-132			20	
1,2-Dibromo-3-chloropropane	7.94		"	10.0		79.4	40-160			20	
1,2-Dibromoethane	9.54		"	10.0		95.4	70-130			20	
1,2-Dichlorobenzene	9.90		"	10.0		99.0	70-130			20	
1,2-Dichloroethane	10.5		"	10.0		105	70-130			20	
1,2-Dichloropropane	9.88		"	10.0		98.8	70-130			20	
1,3,5-Trimethylbenzene	10.6		"	10.0		106	80-131			30	
1,3-Dichlorobenzene	10.6		"	10.0		106	70-130			20	
1,3-Dichloropropane	9.42		"	10.0		94.2	81-125			30	
1,4-Dichlorobenzene	9.78		"	10.0		97.8	70-130			20	
1,4-Dioxane	229		"	210		109	40-160			20	
2,2-Dichloropropane	11.0		"	10.0		110	56-150			30	
2-Butanone	9.07		"	10.0		90.7	40-160			20	
2-Chlorotoluene	10.7		"	10.0		107	79-130			30	
2-Hexanone	7.69		"	10.0		76.9	40-160			20	
4-Chlorotoluene	10.2		"	10.0		102	79-128			30	
4-Methyl-2-pentanone	8.19		"	10.0		81.9	40-160			20	
Acetone	8.57		"	10.0		85.7	40-160			20	
Acrolein	7.30		"	10.0		73.0	10-153			30	
Acrylonitrile	9.75		"	10.0		97.5	51-150			30	
Benzene	11.8		"	10.0		118	70-130			20	
Bromobenzene	9.60		"	10.0		96.0	78-129			30	
Bromochloromethane	10.9		"	10.0		109	70-130			20	
Bromodichloromethane	9.55		"	10.0		95.5	70-130			20	
Bromoform	9.27		"	10.0		92.7	70-130			20	
Bromomethane	11.3		"	10.0		113	40-160			20	
Carbon disulfide	13.2		"	10.0		132	40-160			20	
Carbon tetrachloride	11.5		"	10.0		115	70-130			20	
Chlorobenzene	10.8		"	10.0		108	70-130			20	
Chloroethane	11.7		"	10.0		117	40-160			20	
Chloroform	11.4		"	10.0		114	70-130			20	
Chloromethane	11.4		"	10.0		114	40-160			20	
cis-1,2-Dichloroethylene	11.4		"	10.0		114	70-130			20	
cis-1,3-Dichloropropylene	9.62		"	10.0		96.2	70-130			20	
Cyclohexane	11.6		"	10.0		116	70-130			20	
Dibromochloromethane	9.78		"	10.0		97.8	70-130			20	
Dibromomethane	9.31		"	10.0		93.1	72-134			30	
Dichlorodifluoromethane	13.2		"	10.0		132	40-160			20	
Diisopropyl ether (DIPE)	10.8		"	10.0		108	70-130			30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI80009 - EPA 5030B											
LCS (BI80009-BS1)								Prepared & Analyzed: 09/04/2018			
Ethyl Benzene	11.0		ug/L	10.0		110	70-130			20	
Ethyl tert-butyl ether (ETBE)	10.2		"	10.0		102	70-130			30	
Hexachlorobutadiene	11.4		"	10.0		114	67-146			30	
Iodomethane	12.4		"	10.0		124	70-130			20	
Isopropylbenzene	10.5		"	10.0		105	70-130			20	
Methyl acetate	9.56		"	10.0		95.6	70-130			20	
Methyl Methacrylate	8.44		"	10.0		84.4	72-132			30	
Methyl tert-butyl ether (MTBE)	10.0		"	10.0		100	70-130			20	
Methylcyclohexane	10.3		"	10.0		103	70-130			20	
Methylene chloride	11.4		"	10.0		114	70-130			20	
Naphthalene	8.29		"	10.0		82.9	70-147			30	
n-Butylbenzene	10.7		"	10.0		107	79-132			30	
n-Propylbenzene	10.8		"	10.0		108	78-133			30	
o-Xylene	10.7		"	10.0		107	70-130			20	
p- & m- Xylenes	22.5		"	20.0		112	70-130			20	
p-Diethylbenzene	12.0		"	10.0		120	84-134			30	
p-Ethyltoluene	11.5		"	10.0		115	88-129			30	
p-Isopropyltoluene	11.3		"	10.0		113	81-136			30	
sec-Butylbenzene	11.4		"	10.0		114	79-137			30	
Styrene	10.3		"	10.0		103	70-130			20	
tert-Amyl alcohol (TAA)	93.7		"	100		93.7	70-130			30	
tert-Amyl methyl ether (TAME)	10.2		"	10.0		102	70-130			30	
tert-Butyl alcohol (TBA)	47.7		"	50.0		95.3	25-162			30	
tert-Butylbenzene	10.6		"	10.0		106	77-138			30	
Tetrachloroethylene	9.88		"	10.0		98.8	70-130			20	
Tetrahydrofuran	9.14		"	10.0		91.4	36-166			30	
Toluene	10.7		"	10.0		107	70-130			20	
trans-1,2-Dichloroethylene	11.4		"	10.0		114	70-130			20	
trans-1,3-Dichloropropylene	9.00		"	10.0		90.0	70-130			20	
trans-1,4-dichloro-2-butene	9.34		"	10.0		93.4	63-141			30	
Trichloroethylene	10.4		"	10.0		104	70-130			20	
Trichlorofluoromethane	11.4		"	10.0		114	40-160			20	
Vinyl acetate	11.0		"	10.0		110	21-90	High Bias		30	
Vinyl Chloride	12.2		"	10.0		122	70-130			20	
Surrogate: 1,2-Dichloroethane-d4	*9.68*		*"*	*10.0*		*96.8*	*70-130*				
Surrogate: Toluene-d8	*9.48*		*"*	*10.0*		*94.8*	*70-130*				
Surrogate: p-Bromofluorobenzene	*9.59*		*"*	*10.0*		*95.9*	*70-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI80009 - EPA 5030B											
LCS Dup (BI80009-BSD1)								Prepared & Analyzed: 09/04/2018			
1,1,1,2-Tetrachloroethane	11.3		ug/L	10.0		113	82-126		5.44	30	
1,1,1-Trichloroethane	11.5		"	10.0		115	70-130		1.05	20	
1,1,2,2-Tetrachloroethane	10.6		"	10.0		106	70-130		11.7	20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	13.1		"	10.0		131	70-130	High Bias	11.2	20	
1,1,2-Trichloroethane	10.5		"	10.0		105	70-130		12.0	20	
1,1-Dichloroethane	12.0		"	10.0		120	70-130		2.63	20	
1,1-Dichloroethylene	11.0		"	10.0		110	70-130		23.2	20	Non-dir.
1,1-Dichloropropylene	11.7		"	10.0		117	83-133		0.772	30	
1,2,3-Trichlorobenzene	9.21		"	10.0		92.1	70-130		10.6	20	
1,2,3-Trichloropropane	10.3		"	10.0		103	77-128		10.7	30	
1,2,4,5-Tetramethylbenzene	10.4		"	10.0		104	85-140		0.580	30	
1,2,4-Trichlorobenzene	9.62		"	10.0		96.2	70-130		6.66	20	
1,2,4-Trimethylbenzene	10.3		"	10.0		103	82-132		3.15	20	
1,2-Dibromo-3-chloropropane	9.19		"	10.0		91.9	40-160		14.6	20	
1,2-Dibromoethane	10.8		"	10.0		108	70-130		12.7	20	
1,2-Dichlorobenzene	10.2		"	10.0		102	70-130		3.47	20	
1,2-Dichloroethane	11.9		"	10.0		119	70-130		12.4	20	
1,2-Dichloropropane	10.3		"	10.0		103	70-130		3.87	20	
1,3,5-Trimethylbenzene	10.1		"	10.0		101	80-131		4.83	30	
1,3-Dichlorobenzene	10.6		"	10.0		106	70-130		0.283	20	
1,3-Dichloropropane	10.5		"	10.0		105	81-125		11.1	30	
1,4-Dichlorobenzene	9.83		"	10.0		98.3	70-130		0.510	20	
1,4-Dioxane	514		"	210		245	40-160	High Bias	76.8	20	Non-dir.
2,2-Dichloropropane	11.0		"	10.0		110	56-150		0.545	30	
2-Butanone	11.7		"	10.0		117	40-160		25.3	20	Non-dir.
2-Chlorotoluene	10.3		"	10.0		103	79-130		3.62	30	
2-Hexanone	10.1		"	10.0		101	40-160		27.3	20	Non-dir.
4-Chlorotoluene	9.92		"	10.0		99.2	79-128		2.49	30	
4-Methyl-2-pentanone	10.2		"	10.0		102	40-160		22.0	20	Non-dir.
Acetone	11.4		"	10.0		114	40-160		28.1	20	Non-dir.
Acrolein	7.23		"	10.0		72.3	10-153		0.964	30	
Acrylonitrile	11.9		"	10.0		119	51-150		20.1	30	
Benzene	12.1		"	10.0		121	70-130		2.51	20	
Bromobenzene	9.81		"	10.0		98.1	78-129		2.16	30	
Bromochloromethane	12.0		"	10.0		120	70-130		9.49	20	
Bromodichloromethane	10.1		"	10.0		101	70-130		5.40	20	
Bromoform	10.8		"	10.0		108	70-130		15.2	20	
Bromomethane	10.6		"	10.0		106	40-160		6.75	20	
Carbon disulfide	13.1		"	10.0		131	40-160		0.986	20	
Carbon tetrachloride	11.7		"	10.0		117	70-130		1.64	20	
Chlorobenzene	11.1		"	10.0		111	70-130		2.56	20	
Chloroethane	11.4		"	10.0		114	40-160		2.69	20	
Chloroform	11.9		"	10.0		119	70-130		3.78	20	
Chloromethane	11.6		"	10.0		116	40-160		1.22	20	
cis-1,2-Dichloroethylene	11.7		"	10.0		117	70-130		2.85	20	
cis-1,3-Dichloropropylene	10.3		"	10.0		103	70-130		6.83	20	
Cyclohexane	12.2		"	10.0		122	70-130		4.96	20	
Dibromochloromethane	11.0		"	10.0		110	70-130		11.8	20	
Dibromomethane	10.5		"	10.0		105	72-134		11.7	30	
Dichlorodifluoromethane	13.8		"	10.0		138	40-160		4.73	20	
Diisopropyl ether (DIPE)	12.0		"	10.0		120	70-130		10.4	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI80009 - EPA 5030B											
LCS Dup (BI80009-BSD1)								Prepared & Analyzed: 09/04/2018			
Ethyl Benzene	11.0		ug/L	10.0		110	70-130		0.0911	20	
Ethyl tert-butyl ether (ETBE)	11.8		"	10.0		118	70-130		14.6	30	
Hexachlorobutadiene	10.8		"	10.0		108	67-146		5.67	30	
Iodomethane	12.5		"	10.0		125	70-130		0.482	20	
Isopropylbenzene	9.94		"	10.0		99.4	70-130		5.38	20	
Methyl acetate	11.9		"	10.0		119	70-130		22.1	20	Non-dir.
Methyl Methacrylate	10.1		"	10.0		101	72-132		17.6	30	
Methyl tert-butyl ether (MTBE)	12.2		"	10.0		122	70-130		19.0	20	
Methylcyclohexane	10.6		"	10.0		106	70-130		2.30	20	
Methylene chloride	12.1		"	10.0		121	70-130		5.62	20	
Naphthalene	9.47		"	10.0		94.7	70-147		13.3	30	
n-Butylbenzene	9.88		"	10.0		98.8	79-132		7.59	30	
n-Propylbenzene	10.2		"	10.0		102	78-133		5.83	30	
o-Xylene	10.9		"	10.0		109	70-130		1.85	20	
p- & m- Xylenes	22.4		"	20.0		112	70-130		0.491	20	
p-Diethylbenzene	11.5		"	10.0		115	84-134		4.18	30	
p-Ethyltoluene	11.0		"	10.0		110	88-129		4.55	30	
p-Isopropyltoluene	10.8		"	10.0		108	81-136		4.89	30	
sec-Butylbenzene	10.7		"	10.0		107	79-137		6.06	30	
Styrene	10.7		"	10.0		107	70-130		4.29	20	
tert-Amyl alcohol (TAA)	148		"	100		148	70-130	High Bias	45.0	30	Non-dir.
tert-Amyl methyl ether (TAME)	12.4		"	10.0		124	70-130		19.1	30	
tert-Butyl alcohol (TBA)	83.7		"	50.0		167	25-162	High Bias	54.8	30	Non-dir.
tert-Butylbenzene	10.1		"	10.0		101	77-138		5.30	30	
Tetrachloroethylene	9.86		"	10.0		98.6	70-130		0.203	20	
Tetrahydrofuran	11.9		"	10.0		119	36-166		26.0	30	
Toluene	10.7		"	10.0		107	70-130		0.0938	20	
trans-1,2-Dichloroethylene	11.4		"	10.0		114	70-130		0.0878	20	
trans-1,3-Dichloropropylene	10.0		"	10.0		100	70-130		10.5	20	
trans-1,4-dichloro-2-butene	9.46		"	10.0		94.6	63-141		1.28	30	
Trichloroethylene	10.3		"	10.0		103	70-130		0.484	20	
Trichlorofluoromethane	11.7		"	10.0		117	40-160		2.94	20	
Vinyl acetate	12.3		"	10.0		123	21-90	High Bias	11.8	30	
Vinyl Chloride	12.2		"	10.0		122	70-130		0.738	20	
Surrogate: 1,2-Dichloroethane-d4	*10.5*		*"*	*10.0*		*105*	*70-130*				
Surrogate: Toluene-d8	*9.29*		*"*	*10.0*		*92.9*	*70-130*				
Surrogate: p-Bromofluorobenzene	*9.34*		*"*	*10.0*		*93.4*	*70-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI80068 - EPA 5030B											
Blank (BI80068-BLK1)											
1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,1-Trichloroethane	ND	0.500	"								
1,1,2,2-Tetrachloroethane	ND	0.500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"								
1,1,2-Trichloroethane	ND	0.500	"								
1,1-Dichloroethane	ND	0.500	"								
1,1-Dichloroethylene	ND	0.500	"								
1,1-Dichloropropylene	ND	0.500	"								
1,2,3-Trichlorobenzene	ND	0.500	"								
1,2,3-Trichloropropane	ND	0.500	"								
1,2,4,5-Tetramethylbenzene	ND	0.500	"								
1,2,4-Trichlorobenzene	ND	0.500	"								
1,2,4-Trimethylbenzene	ND	0.500	"								
1,2-Dibromo-3-chloropropane	ND	0.500	"								
1,2-Dibromoethane	ND	0.500	"								
1,2-Dichlorobenzene	ND	0.500	"								
1,2-Dichloroethane	ND	0.500	"								
1,2-Dichloropropane	ND	0.500	"								
1,3,5-Trimethylbenzene	ND	0.500	"								
1,3-Dichlorobenzene	ND	0.500	"								
1,3-Dichloropropane	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
1,4-Dioxane	ND	80.0	"								
2,2-Dichloropropane	ND	0.500	"								
2-Butanone	ND	0.500	"								
2-Chlorotoluene	ND	0.500	"								
2-Hexanone	ND	0.500	"								
4-Chlorotoluene	ND	0.500	"								
4-Methyl-2-pentanone	ND	0.500	"								
Acetone	ND	2.00	"								
Acrolein	ND	0.500	"								
Acrylonitrile	ND	0.500	"								
Benzene	ND	0.500	"								
Bromobenzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								
Bromodichloromethane	ND	0.500	"								
Bromoform	ND	0.500	"								
Bromomethane	ND	0.500	"								
Carbon disulfide	ND	0.500	"								
Carbon tetrachloride	ND	0.500	"								
Chlorobenzene	ND	0.500	"								
Chloroethane	ND	0.500	"								
Chloroform	ND	0.500	"								
Chloromethane	ND	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
cis-1,3-Dichloropropylene	ND	0.500	"								
Cyclohexane	ND	0.500	"								
Dibromochloromethane	ND	0.500	"								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								
Diisopropyl ether (DIPE)	ND	0.800	"								

Prepared & Analyzed: 09/05/2018

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI80068 - EPA 5030B											
Blank (BI80068-BLK1)											
Prepared & Analyzed: 09/05/2018											
Ethyl Benzene	ND	0.500	ug/L								
Ethyl tert-butyl ether (ETBE)	ND	0.800	"								
Hexachlorobutadiene	ND	0.500	"								
Iodomethane	ND	0.500	"								
Isopropylbenzene	ND	0.500	"								
Methyl acetate	ND	0.500	"								
Methyl Methacrylate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylcyclohexane	ND	0.500	"								
Methylene chloride	ND	2.00	"								
Naphthalene	ND	2.00	"								
n-Butylbenzene	ND	0.500	"								
n-Propylbenzene	ND	0.500	"								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Diethylbenzene	ND	0.500	"								
p-Ethyltoluene	ND	0.500	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Amyl alcohol (TAA)	ND	8.00	"								
tert-Amyl methyl ether (TAME)	ND	0.800	"								
tert-Butyl alcohol (TBA)	ND	1.00	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Tetrahydrofuran	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
trans-1,4-dichloro-2-butene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl acetate	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								
Surrogate: 1,2-Dichloroethane-d4	*9.89*		*"*	*10.0*		*98.9*	*70-130*				
Surrogate: Toluene-d8	*9.86*		*"*	*10.0*		*98.6*	*70-130*				
Surrogate: p-Bromofluorobenzene	*10.6*		*"*	*10.0*		*106*	*70-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

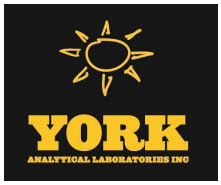
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI80068 - EPA 5030B											
LCS (BI80068-BS1)							Prepared & Analyzed: 09/05/2018				
1,1,1,2-Tetrachloroethane	10.2		ug/L	10.0		102	82-126			30	
1,1,1-Trichloroethane	9.29		"	10.0		92.9	70-130			20	
1,1,2,2-Tetrachloroethane	10.1		"	10.0		101	70-130			20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.5		"	10.0		105	70-130			20	
1,1,2-Trichloroethane	9.67		"	10.0		96.7	70-130			20	
1,1-Dichloroethane	9.70		"	10.0		97.0	70-130			20	
1,1-Dichloroethylene	9.60		"	10.0		96.0	70-130			20	
1,1-Dichloropropylene	9.68		"	10.0		96.8	83-133			30	
1,2,3-Trichlorobenzene	10.2		"	10.0		102	70-130			20	
1,2,3-Trichloropropane	10.0		"	10.0		100	77-128			30	
1,2,4,5-Tetramethylbenzene	10.2		"	10.0		102	85-140			30	
1,2,4-Trichlorobenzene	9.91		"	10.0		99.1	70-130			20	
1,2,4-Trimethylbenzene	9.75		"	10.0		97.5	82-132			20	
1,2-Dibromo-3-chloropropane	10.0		"	10.0		100	40-160			20	
1,2-Dibromoethane	10.1		"	10.0		101	70-130			20	
1,2-Dichlorobenzene	9.74		"	10.0		97.4	70-130			20	
1,2-Dichloroethane	9.79		"	10.0		97.9	70-130			20	
1,2-Dichloropropane	9.35		"	10.0		93.5	70-130			20	
1,3,5-Trimethylbenzene	9.66		"	10.0		96.6	80-131			30	
1,3-Dichlorobenzene	9.77		"	10.0		97.7	70-130			20	
1,3-Dichloropropane	9.90		"	10.0		99.0	81-125			30	
1,4-Dichlorobenzene	9.88		"	10.0		98.8	70-130			20	
1,4-Dioxane	222		"	210		106	40-160			20	
2,2-Dichloropropane	9.69		"	10.0		96.9	56-150			30	
2-Butanone	9.78		"	10.0		97.8	40-160			20	
2-Chlorotoluene	9.68		"	10.0		96.8	79-130			30	
2-Hexanone	11.0		"	10.0		110	40-160			20	
4-Chlorotoluene	9.75		"	10.0		97.5	79-128			30	
4-Methyl-2-pentanone	9.94		"	10.0		99.4	40-160			20	
Acetone	9.01		"	10.0		90.1	40-160			20	
Acrolein	9.89		"	10.0		98.9	10-153			30	
Acrylonitrile	10.3		"	10.0		103	51-150			30	
Benzene	9.79		"	10.0		97.9	70-130			20	
Bromobenzene	9.73		"	10.0		97.3	78-129			30	
Bromochloromethane	10.1		"	10.0		101	70-130			20	
Bromodichloromethane	9.43		"	10.0		94.3	70-130			20	
Bromoform	10.2		"	10.0		102	70-130			20	
Bromomethane	9.44		"	10.0		94.4	40-160			20	
Carbon disulfide	11.0		"	10.0		110	40-160			20	
Carbon tetrachloride	9.47		"	10.0		94.7	70-130			20	
Chlorobenzene	9.90		"	10.0		99.0	70-130			20	
Chloroethane	10.5		"	10.0		105	40-160			20	
Chloroform	9.60		"	10.0		96.0	70-130			20	
Chloromethane	9.87		"	10.0		98.7	40-160			20	
cis-1,2-Dichloroethylene	9.71		"	10.0		97.1	70-130			20	
cis-1,3-Dichloropropylene	9.98		"	10.0		99.8	70-130			20	
Cyclohexane	9.87		"	10.0		98.7	70-130			20	
Dibromochloromethane	10.3		"	10.0		103	70-130			20	
Dibromomethane	9.53		"	10.0		95.3	72-134			30	
Dichlorodifluoromethane	12.1		"	10.0		121	40-160			20	
Diisopropyl ether (DIPE)	10.0		"	10.0		100	70-130			30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI80068 - EPA 5030B											
LCS (BI80068-BS1)								Prepared & Analyzed: 09/05/2018			
Ethyl Benzene	10.1		ug/L	10.0		101	70-130			20	
Ethyl tert-butyl ether (ETBE)	9.92		"	10.0		99.2	70-130			30	
Hexachlorobutadiene	10.1		"	10.0		101	67-146			30	
Iodomethane	2.40		"	10.0		24.0	70-130	Low Bias		20	
Isopropylbenzene	9.29		"	10.0		92.9	70-130			20	
Methyl acetate	10.6		"	10.0		106	70-130			20	
Methyl Methacrylate	9.47		"	10.0		94.7	72-132			30	
Methyl tert-butyl ether (MTBE)	10.2		"	10.0		102	70-130			20	
Methylcyclohexane	9.44		"	10.0		94.4	70-130			20	
Methylene chloride	10.8		"	10.0		108	70-130			20	
Naphthalene	10.3		"	10.0		103	70-147			30	
n-Butylbenzene	9.78		"	10.0		97.8	79-132			30	
n-Propylbenzene	9.62		"	10.0		96.2	78-133			30	
o-Xylene	10.3		"	10.0		103	70-130			20	
p- & m- Xylenes	17.2		"	20.0		86.1	70-130			20	
p-Diethylbenzene	10.6		"	10.0		106	84-134			30	
p-Ethyltoluene	9.98		"	10.0		99.8	88-129			30	
p-Isopropyltoluene	9.82		"	10.0		98.2	81-136			30	
sec-Butylbenzene	10.1		"	10.0		101	79-137			30	
Styrene	10.2		"	10.0		102	70-130			20	
tert-Amyl alcohol (TAA)	103		"	100		103	70-130			30	
tert-Amyl methyl ether (TAME)	10.1		"	10.0		101	70-130			30	
tert-Butyl alcohol (TBA)	45.0		"	50.0		90.0	25-162			30	
tert-Butylbenzene	9.51		"	10.0		95.1	77-138			30	
Tetrachloroethylene	7.66		"	10.0		76.6	70-130			20	
Tetrahydrofuran	9.90		"	10.0		99.0	36-166			30	
Toluene	9.68		"	10.0		96.8	70-130			20	
trans-1,2-Dichloroethylene	9.73		"	10.0		97.3	70-130			20	
trans-1,3-Dichloropropylene	9.90		"	10.0		99.0	70-130			20	
trans-1,4-dichloro-2-butene	9.81		"	10.0		98.1	63-141			30	
Trichloroethylene	9.23		"	10.0		92.3	70-130			20	
Trichlorofluoromethane	10.3		"	10.0		103	40-160			20	
Vinyl acetate	9.63		"	10.0		96.3	21-90	High Bias		30	
Vinyl Chloride	10.1		"	10.0		101	70-130			20	
Surrogate: 1,2-Dichloroethane-d4	*9.66*		*"*	*10.0*		*96.6*	*70-130*				
Surrogate: Toluene-d8	*9.89*		*"*	*10.0*		*98.9*	*70-130*				
Surrogate: p-Bromofluorobenzene	*9.76*		*"*	*10.0*		*97.6*	*70-130*				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI80068 - EPA 5030B											
LCS Dup (BI80068-BSD1)								Prepared & Analyzed: 09/05/2018			
1,1,1,2-Tetrachloroethane	11.1		ug/L	10.0		111	82-126		8.48	30	
1,1,1-Trichloroethane	10.0		"	10.0		100	70-130		7.86	20	
1,1,2,2-Tetrachloroethane	10.5		"	10.0		105	70-130		4.07	20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.9		"	10.0		109	70-130		4.39	20	
1,1,2-Trichloroethane	10.2		"	10.0		102	70-130		5.43	20	
1,1-Dichloroethane	10.4		"	10.0		104	70-130		7.16	20	
1,1-Dichloroethylene	10.2		"	10.0		102	70-130		6.06	20	
1,1-Dichloropropylene	10.2		"	10.0		102	83-133		4.74	30	
1,2,3-Trichlorobenzene	11.1		"	10.0		111	70-130		9.10	20	
1,2,3-Trichloropropane	10.4		"	10.0		104	77-128		3.54	30	
1,2,4,5-Tetramethylbenzene	10.9		"	10.0		109	85-140		6.73	30	
1,2,4-Trichlorobenzene	10.5		"	10.0		105	70-130		5.40	20	
1,2,4-Trimethylbenzene	10.5		"	10.0		105	82-132		7.79	20	
1,2-Dibromo-3-chloropropane	10.2		"	10.0		102	40-160		2.27	20	
1,2-Dibromoethane	10.7		"	10.0		107	70-130		5.97	20	
1,2-Dichlorobenzene	10.6		"	10.0		106	70-130		7.98	20	
1,2-Dichloroethane	10.5		"	10.0		105	70-130		6.62	20	
1,2-Dichloropropane	10.0		"	10.0		100	70-130		6.92	20	
1,3,5-Trimethylbenzene	10.4		"	10.0		104	80-131		6.99	30	
1,3-Dichlorobenzene	10.5		"	10.0		105	70-130		7.30	20	
1,3-Dichloropropane	10.5		"	10.0		105	81-125		5.60	30	
1,4-Dichlorobenzene	10.6		"	10.0		106	70-130		7.50	20	
1,4-Dioxane	253		"	210		120	40-160		12.8	20	
2,2-Dichloropropane	10.3		"	10.0		103	56-150		5.71	30	
2-Butanone	10.6		"	10.0		106	40-160		8.33	20	
2-Chlorotoluene	10.4		"	10.0		104	79-130		7.08	30	
2-Hexanone	11.5		"	10.0		115	40-160		4.36	20	
4-Chlorotoluene	10.5		"	10.0		105	79-128		7.03	30	
4-Methyl-2-pentanone	10.6		"	10.0		106	40-160		6.43	20	
Acetone	10.0		"	10.0		100	40-160		10.4	20	
Acrolein	10.2		"	10.0		102	10-153		3.09	30	
Acrylonitrile	9.08		"	10.0		90.8	51-150		12.6	30	
Benzene	10.4		"	10.0		104	70-130		6.43	20	
Bromobenzene	10.4		"	10.0		104	78-129		6.94	30	
Bromochloromethane	10.9		"	10.0		109	70-130		7.60	20	
Bromodichloromethane	10.1		"	10.0		101	70-130		6.46	20	
Bromoform	10.7		"	10.0		107	70-130		5.09	20	
Bromomethane	10.6		"	10.0		106	40-160		11.6	20	
Carbon disulfide	11.7		"	10.0		117	40-160		5.88	20	
Carbon tetrachloride	9.95		"	10.0		99.5	70-130		4.94	20	
Chlorobenzene	10.5		"	10.0		105	70-130		5.79	20	
Chloroethane	11.0		"	10.0		110	40-160		4.85	20	
Chloroform	10.2		"	10.0		102	70-130		6.26	20	
Chloromethane	10.9		"	10.0		109	40-160		9.73	20	
cis-1,2-Dichloroethylene	10.4		"	10.0		104	70-130		6.96	20	
cis-1,3-Dichloropropylene	10.6		"	10.0		106	70-130		5.93	20	
Cyclohexane	10.3		"	10.0		103	70-130		4.07	20	
Dibromochloromethane	11.0		"	10.0		110	70-130		6.77	20	
Dibromomethane	10.1		"	10.0		101	72-134		5.91	30	
Dichlorodifluoromethane	11.7		"	10.0		117	40-160		3.44	20	
Diisopropyl ether (DIPE)	10.8		"	10.0		108	70-130		7.56	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI80068 - EPA 5030B											
LCS Dup (BI80068-BSD1)								Prepared & Analyzed: 09/05/2018			
Ethyl Benzene	10.8		ug/L	10.0		108	70-130		6.63	20	
Ethyl tert-butyl ether (ETBE)	10.6		"	10.0		106	70-130		7.10	30	
Hexachlorobutadiene	10.5		"	10.0		105	67-146		3.98	30	
Iodomethane	2.89		"	10.0		28.9	70-130	Low Bias	18.5	20	
Isopropylbenzene	9.90		"	10.0		99.0	70-130		6.36	20	
Methyl acetate	11.0		"	10.0		110	70-130		3.53	20	
Methyl Methacrylate	10.2		"	10.0		102	72-132		7.23	30	
Methyl tert-butyl ether (MTBE)	11.0		"	10.0		110	70-130		7.90	20	
Methylcyclohexane	9.74		"	10.0		97.4	70-130		3.13	20	
Methylene chloride	11.6		"	10.0		116	70-130		6.85	20	
Naphthalene	11.0		"	10.0		110	70-147		6.75	30	
n-Butylbenzene	10.4		"	10.0		104	79-132		5.86	30	
n-Propylbenzene	10.3		"	10.0		103	78-133		6.63	30	
o-Xylene	10.9		"	10.0		109	70-130		5.37	20	
p- & m- Xylenes	18.2		"	20.0		91.2	70-130		5.75	20	
p-Diethylbenzene	11.4		"	10.0		114	84-134		6.81	30	
p-Ethyltoluene	10.7		"	10.0		107	88-129		7.06	30	
p-Isopropyltoluene	10.4		"	10.0		104	81-136		6.02	30	
sec-Butylbenzene	10.8		"	10.0		108	79-137		6.03	30	
Styrene	10.8		"	10.0		108	70-130		6.21	20	
tert-Amyl alcohol (TAA)	112		"	100		112	70-130		8.42	30	
tert-Amyl methyl ether (TAME)	10.9		"	10.0		109	70-130		7.33	30	
tert-Butyl alcohol (TBA)	50.1		"	50.0		100	25-162		10.7	30	
tert-Butylbenzene	10.3		"	10.0		103	77-138		8.07	30	
Tetrachloroethylene	8.22		"	10.0		82.2	70-130		7.05	20	
Tetrahydrofuran	10.8		"	10.0		108	36-166		8.23	30	
Toluene	10.3		"	10.0		103	70-130		6.50	20	
trans-1,2-Dichloroethylene	10.4		"	10.0		104	70-130		6.85	20	
trans-1,3-Dichloropropylene	10.3		"	10.0		103	70-130		4.15	20	
trans-1,4-dichloro-2-butene	10.4		"	10.0		104	63-141		5.45	30	
Trichloroethylene	9.97		"	10.0		99.7	70-130		7.71	20	
Trichlorofluoromethane	10.5		"	10.0		105	40-160		2.21	20	
Vinyl acetate	10.6		"	10.0		106	21-90	High Bias	9.40	30	
Vinyl Chloride	10.3		"	10.0		103	70-130		2.15	20	
Surrogate: 1,2-Dichloroethane-d4	*9.49*		*"*	*10.0*		*94.9*	*70-130*				
Surrogate: Toluene-d8	*9.79*		*"*	*10.0*		*97.9*	*70-130*				
Surrogate: p-Bromofluorobenzene	*9.76*		*"*	*10.0*		*97.6*	*70-130*				

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
18H1393-01	WQ082818:900 FRW-1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18H1393-02	WQ082818:905 FRW-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18H1393-03	WQ082818:910 FRW-3	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18H1393-04	WQ082818:915 FRW-4	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18H1393-05	WQ082818:850 NP1-1-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Sample and Data Qualifiers Relating to This Work Order

QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
ICV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).
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).

Definitions and Other Explanations

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

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

Field Chain-of-Custody Record

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

York Project No. 18H1393

YOUR Information	Report to:	Invoice To:	Your Project ID	Turn-Around Time
Company: WSP USA	SAME [X]	SAME [X]	31401451.000 task 01.00	RUSH-Same Day
Address: 4 Research Drive	Name:	Name:	Purchase Order #	RUSH-Next Day
Suite 301, Shelton CT 06484	Company:	Company:	31401451.000 task 01.00	RUSH-Two Day
Phone.: 203.929.8555	Address:	Address:		RUSH-Three Day
Contact: Tunde Sandor				RUSH-Four Day
E-mail: tunde.sandor@wsp.com		E-mail	Samples from CT__ NY x_ NJ__	Standard (5-7day) X

Report/Deliverable Type	
Summary Report	X, PDF
QA Report	X, PDF
CT RCP	
CT RCP DQA/DUE Pkg	
NY ASP A Package	
NY ASP B Package	X, PDF
NJDEP Reduced Deliv	
Excel	X
NYSDEC EQuIS	
NJDEP SRP HazSite	
EQuIS	
GIS/KEY (std)	
YORK Regulatory Comp Excel compared to:	
OTHER:	

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

Samples Collected/Authorized By (Signature)

Evan Foster
Name (printed)

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

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.
624	Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part360-Routine
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part360-Baseline
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part360-Expanded No Dioxins/Furans
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part360-Expanded Full List
Halog.only	NJDEP list	App. IX	Chlordane	Indiv. Metals	Air TICs	NYCDEP Sewer
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM

Sample Identification	Date+Time Sampled	Matrix	Analysis Requested (List above includes common analysis)	Container Description
WQ082818: 900 FRW-1	8/28/18	GW	VOCs 8260 full plus freon 113	3 VOA
905 FRW-2				
910 FRW-3				
915 FRW-4				
850 MP1-1-2	850			

8-30-18

Preservation (check all applicable): 4°C X Frozen HCl X MeOH HNO_3 H_2SO_4 NaOH
ZnAc Ascorbic Acid Other

Comments:

Special Instructions
Field Filtered ☐
Lab to Filter ☐

(system)

Samples Relinquished By	8/28/18 900 Date/Time	WSP Fridge Samples Received By	8/29/18 900 Date/Time
Samples Relinquished By	8-30-18 1550 Date/Time	Samples Received in LAB by	8/30/18 1550 Date/Time

Temperature on Receipt: 1.1 °C

APPENDIX III

AUGUST 2018 LABORATORY ANALYTICAL REPORT

FOR AIR SAMPLES

Technical Report

prepared for:

WSP USA, Inc. (Shelton)
4 Research Drive, Suite 204
Shelton CT, 06484
Attention: Tunde Komuves-Sandor

Report Date: 09/05/2018
Client Project ID: 31401451.000 Task 01.00
York Project (SDG) No.: 18H1380

Report Date: 09/05/2018
Client Project ID: 31401451.000 Task 01.00
York Project (SDG) No.: 18H1380

WSP USA, Inc. (Shelton)
4 Research Drive, Suite 204
Shelton CT, 06484
Attention: Tunde Komuves-Sandor

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 August 30, 2018 and listed below. The project was identified as your project: **31401451.000 Task 01.00**.

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.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
18H1380-01	AQ082818:800 NP4-3	Vapor Extraction	08/28/2018	08/30/2018
18H1380-02	AQ082818:805 NP4-1	Vapor Extraction	08/28/2018	08/30/2018

General Notes for York Project (SDG) No.: 18H1380

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: 

Date: 09/05/2018

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: AQ082818:800 NP4-3 **York Sample ID:** 18H1380-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H1380	31401451.000 Task 01.00	Vapor Extraction	August 28, 2018 8:00 am	08/30/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	1.2	1.733	EPA TO-15	08/31/2018 21:53	08/31/2018 21:53	LDS
							Certifications:			
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	0.95	1.733	EPA TO-15	08/31/2018 21:53	08/31/2018 21:53	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	1.2	1.733	EPA TO-15	08/31/2018 21:53	08/31/2018 21:53	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	1.3	1.733	EPA TO-15	08/31/2018 21:53	08/31/2018 21:53	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.95	1.733	EPA TO-15	08/31/2018 21:53	08/31/2018 21:53	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.70	1.733	EPA TO-15	08/31/2018 21:53	08/31/2018 21:53	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.17	1.733	EPA TO-15	08/31/2018 21:53	08/31/2018 21:53	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	1.3	1.733	EPA TO-15	08/31/2018 21:53	08/31/2018 21:53	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	0.85	1.733	EPA TO-15	08/31/2018 21:53	08/31/2018 21:53	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
106-93-4	1,2-Dibromoethane	ND		ug/m³	1.3	1.733	EPA TO-15	08/31/2018 21:53	08/31/2018 21:53	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	1.0	1.733	EPA TO-15	08/31/2018 21:53	08/31/2018 21:53	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.70	1.733	EPA TO-15	08/31/2018 21:53	08/31/2018 21:53	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.80	1.733	EPA TO-15	08/31/2018 21:53	08/31/2018 21:53	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	1.2	1.733	EPA TO-15	08/31/2018 21:53	08/31/2018 21:53	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.85	1.733	EPA TO-15	08/31/2018 21:53	08/31/2018 21:53	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
106-99-0	1,3-Butadiene	ND		ug/m³	1.2	1.733	EPA TO-15	08/31/2018 21:53	08/31/2018 21:53	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	1.0	1.733	EPA TO-15	08/31/2018 21:53	08/31/2018 21:53	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.80	1.733	EPA TO-15	08/31/2018 21:53	08/31/2018 21:53	LDS
							Certifications:			
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	1.0	1.733	EPA TO-15	08/31/2018 21:53	08/31/2018 21:53	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
123-91-1	1,4-Dioxane	ND		ug/m³	1.2	1.733	EPA TO-15	08/31/2018 21:53	08/31/2018 21:53	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		

Sample Information

Client Sample ID: **AQ082818:800 NP4-3** **York Sample ID:** **18H1380-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H1380	31401451.000 Task 01.00	Vapor Extraction	August 28, 2018 8:00 am	08/30/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-93-3	2-Butanone	ND		ug/m³	0.51	1.733	EPA TO-15	08/31/2018 21:53	08/31/2018 21:53	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
591-78-6	* 2-Hexanone	ND		ug/m³	1.4	1.733	EPA TO-15	08/31/2018 21:53	08/31/2018 21:53	LDS
							Certifications:			
107-05-1	3-Chloropropene	ND		ug/m³	2.7	1.733	EPA TO-15	08/31/2018 21:53	08/31/2018 21:53	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.71	1.733	EPA TO-15	08/31/2018 21:53	08/31/2018 21:53	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
67-64-1	Acetone	ND		ug/m³	0.82	1.733	EPA TO-15	08/31/2018 21:53	08/31/2018 21:53	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
107-13-1	Acrylonitrile	ND		ug/m³	0.38	1.733	EPA TO-15	08/31/2018 21:53	08/31/2018 21:53	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
71-43-2	Benzene	ND		ug/m³	0.55	1.733	EPA TO-15	08/31/2018 21:53	08/31/2018 21:53	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
100-44-7	Benzyl chloride	ND		ug/m³	0.90	1.733	EPA TO-15	08/31/2018 21:53	08/31/2018 21:53	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-27-4	Bromodichloromethane	ND		ug/m³	1.2	1.733	EPA TO-15	08/31/2018 21:53	08/31/2018 21:53	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-25-2	Bromoform	ND		ug/m³	1.8	1.733	EPA TO-15	08/31/2018 21:53	08/31/2018 21:53	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
74-83-9	Bromomethane	ND		ug/m³	0.67	1.733	EPA TO-15	08/31/2018 21:53	08/31/2018 21:53	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-15-0	Carbon disulfide	ND		ug/m³	0.54	1.733	EPA TO-15	08/31/2018 21:53	08/31/2018 21:53	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
56-23-5	Carbon tetrachloride	ND		ug/m³	0.27	1.733	EPA TO-15	08/31/2018 21:53	08/31/2018 21:53	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
108-90-7	Chlorobenzene	ND		ug/m³	0.80	1.733	EPA TO-15	08/31/2018 21:53	08/31/2018 21:53	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-00-3	Chloroethane	ND		ug/m³	0.46	1.733	EPA TO-15	08/31/2018 21:53	08/31/2018 21:53	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
67-66-3	Chloroform	ND		ug/m³	0.85	1.733	EPA TO-15	08/31/2018 21:53	08/31/2018 21:53	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
74-87-3	Chloromethane	ND		ug/m³	0.36	1.733	EPA TO-15	08/31/2018 21:53	08/31/2018 21:53	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
156-59-2	**cis-1,2-Dichloroethylene**	**6.1**		ug/m³	0.17	1.733	EPA TO-15	08/31/2018 21:53	08/31/2018 21:53	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.79	1.733	EPA TO-15	08/31/2018 21:53	08/31/2018 21:53	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
110-82-7	Cyclohexane	ND		ug/m³	0.60	1.733	EPA TO-15	08/31/2018 21:53	08/31/2018 21:53	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
124-48-1	Dibromochloromethane	ND		ug/m³	1.5	1.733	EPA TO-15	08/31/2018 21:53	08/31/2018 21:53	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			

Sample Information

Client Sample ID: **AQ082818:800 NP4-3** **York Sample ID:** **18H1380-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H1380	31401451.000 Task 01.00	Vapor Extraction	August 28, 2018 8:00 am	08/30/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-71-8	Dichlorodifluoromethane	ND		ug/m³	0.86	1.733	EPA TO-15	08/31/2018 21:53	08/31/2018 21:53	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
141-78-6	* Ethyl acetate	ND		ug/m³	1.2	1.733	EPA TO-15	08/31/2018 21:53	08/31/2018 21:53	LDS
							Certifications:			
100-41-4	Ethyl Benzene	ND		ug/m³	0.75	1.733	EPA TO-15	08/31/2018 21:53	08/31/2018 21:53	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
87-68-3	Hexachlorobutadiene	ND		ug/m³	1.8	1.733	EPA TO-15	08/31/2018 21:53	08/31/2018 21:53	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
67-63-0	Isopropanol	ND		ug/m³	0.85	1.733	EPA TO-15	08/31/2018 21:53	08/31/2018 21:53	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
80-62-6	Methyl Methacrylate	ND		ug/m³	0.71	1.733	EPA TO-15	08/31/2018 21:53	08/31/2018 21:53	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.62	1.733	EPA TO-15	08/31/2018 21:53	08/31/2018 21:53	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-09-2	Methylene chloride	ND		ug/m³	1.2	1.733	EPA TO-15	08/31/2018 21:53	08/31/2018 21:53	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
142-82-5	n-Heptane	ND		ug/m³	0.71	1.733	EPA TO-15	08/31/2018 21:53	08/31/2018 21:53	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
110-54-3	n-Hexane	ND		ug/m³	0.61	1.733	EPA TO-15	08/31/2018 21:53	08/31/2018 21:53	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
95-47-6	o-Xylene	ND		ug/m³	0.75	1.733	EPA TO-15	08/31/2018 21:53	08/31/2018 21:53	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
179601-23-1	p- & m- Xylenes	ND		ug/m³	1.5	1.733	EPA TO-15	08/31/2018 21:53	08/31/2018 21:53	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
622-96-8	* p-Ethyltoluene	ND		ug/m³	0.85	1.733	EPA TO-15	08/31/2018 21:53	08/31/2018 21:53	LDS
							Certifications:			
115-07-1	* Propylene	ND		ug/m³	0.30	1.733	EPA TO-15	08/31/2018 21:53	08/31/2018 21:53	LDS
							Certifications:			
100-42-5	Styrene	ND		ug/m³	0.74	1.733	EPA TO-15	08/31/2018 21:53	08/31/2018 21:53	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
127-18-4	**Tetrachloroethylene**	**6.2**		ug/m³	0.29	1.733	EPA TO-15	08/31/2018 21:53	08/31/2018 21:53	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
109-99-9	* Tetrahydrofuran	ND		ug/m³	1.0	1.733	EPA TO-15	08/31/2018 21:53	08/31/2018 21:53	LDS
							Certifications:			
108-88-3	Toluene	ND		ug/m³	0.65	1.733	EPA TO-15	08/31/2018 21:53	08/31/2018 21:53	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.69	1.733	EPA TO-15	08/31/2018 21:53	08/31/2018 21:53	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.79	1.733	EPA TO-15	08/31/2018 21:53	08/31/2018 21:53	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
79-01-6	Trichloroethylene	ND		ug/m³	0.23	1.733	EPA TO-15	08/31/2018 21:53	08/31/2018 21:53	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			

Sample Information

Client Sample ID: AQ082818:800 NP4-3 **York Sample ID:** 18H1380-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H1380	31401451.000 Task 01.00	Vapor Extraction	August 28, 2018 8:00 am	08/30/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m³	0.97	1.733	EPA TO-15	08/31/2018 21:53	08/31/2018 21:53	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
108-05-4	Vinyl acetate	ND		ug/m³	0.61	1.733	EPA TO-15	08/31/2018 21:53	08/31/2018 21:53	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
593-60-2	Vinyl bromide	ND		ug/m³	0.76	1.733	EPA TO-15	08/31/2018 21:53	08/31/2018 21:53	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-01-4	Vinyl Chloride	ND		ug/m³	0.11	1.733	EPA TO-15	08/31/2018 21:53	08/31/2018 21:53	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			

	Surrogate Recoveries	Result	Acceptance Range
460-00-4	*Surrogate: p-Bromofluorobenzene*	*102 %*	*70-130*

Sample Information

Client Sample ID: AQ082818:805 NP4-1 **York Sample ID:** 18H1380-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H1380	31401451.000 Task 01.00	Vapor Extraction	August 28, 2018 8:05 am	08/30/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	0.92	1.34	EPA TO-15	08/31/2018 22:45	08/31/2018 22:45	LDS
							Certifications:			
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	0.73	1.34	EPA TO-15	08/31/2018 22:45	08/31/2018 22:45	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	0.92	1.34	EPA TO-15	08/31/2018 22:45	08/31/2018 22:45	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	1.0	1.34	EPA TO-15	08/31/2018 22:45	08/31/2018 22:45	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.73	1.34	EPA TO-15	08/31/2018 22:45	08/31/2018 22:45	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.54	1.34	EPA TO-15	08/31/2018 22:45	08/31/2018 22:45	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.13	1.34	EPA TO-15	08/31/2018 22:45	08/31/2018 22:45	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	0.99	1.34	EPA TO-15	08/31/2018 22:45	08/31/2018 22:45	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	0.66	1.34	EPA TO-15	08/31/2018 22:45	08/31/2018 22:45	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
106-93-4	1,2-Dibromoethane	ND		ug/m³	1.0	1.34	EPA TO-15	08/31/2018 22:45	08/31/2018 22:45	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			

Sample Information

Client Sample ID: AQ082818:805 NP4-1 **York Sample ID:** 18H1380-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H1380	31401451.000 Task 01.00	Vapor Extraction	August 28, 2018 8:05 am	08/30/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	0.81	1.34	EPA TO-15	08/31/2018 22:45	08/31/2018 22:45	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.54	1.34	EPA TO-15	08/31/2018 22:45	08/31/2018 22:45	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.62	1.34	EPA TO-15	08/31/2018 22:45	08/31/2018 22:45	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	0.94	1.34	EPA TO-15	08/31/2018 22:45	08/31/2018 22:45	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.66	1.34	EPA TO-15	08/31/2018 22:45	08/31/2018 22:45	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
106-99-0	1,3-Butadiene	ND		ug/m³	0.89	1.34	EPA TO-15	08/31/2018 22:45	08/31/2018 22:45	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	0.81	1.34	EPA TO-15	08/31/2018 22:45	08/31/2018 22:45	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.62	1.34	EPA TO-15	08/31/2018 22:45	08/31/2018 22:45	LDS
							Certifications:			
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	0.81	1.34	EPA TO-15	08/31/2018 22:45	08/31/2018 22:45	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
123-91-1	1,4-Dioxane	ND		ug/m³	0.97	1.34	EPA TO-15	08/31/2018 22:45	08/31/2018 22:45	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
78-93-3	2-Butanone	ND		ug/m³	0.40	1.34	EPA TO-15	08/31/2018 22:45	08/31/2018 22:45	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
591-78-6	* 2-Hexanone	ND		ug/m³	1.1	1.34	EPA TO-15	08/31/2018 22:45	08/31/2018 22:45	LDS
							Certifications:			
107-05-1	3-Chloropropene	ND		ug/m³	2.1	1.34	EPA TO-15	08/31/2018 22:45	08/31/2018 22:45	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.55	1.34	EPA TO-15	08/31/2018 22:45	08/31/2018 22:45	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
67-64-1	**Acetone**	**7.0**		ug/m³	0.64	1.34	EPA TO-15	08/31/2018 22:45	08/31/2018 22:45	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
107-13-1	Acrylonitrile	ND		ug/m³	0.29	1.34	EPA TO-15	08/31/2018 22:45	08/31/2018 22:45	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
71-43-2	Benzene	ND		ug/m³	0.43	1.34	EPA TO-15	08/31/2018 22:45	08/31/2018 22:45	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
100-44-7	Benzyl chloride	ND		ug/m³	0.69	1.34	EPA TO-15	08/31/2018 22:45	08/31/2018 22:45	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-27-4	Bromodichloromethane	ND		ug/m³	0.90	1.34	EPA TO-15	08/31/2018 22:45	08/31/2018 22:45	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-25-2	Bromoform	ND		ug/m³	1.4	1.34	EPA TO-15	08/31/2018 22:45	08/31/2018 22:45	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
74-83-9	Bromomethane	ND		ug/m³	0.52	1.34	EPA TO-15	08/31/2018 22:45	08/31/2018 22:45	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			

Sample Information

Client Sample ID: AQ082818:805 NP4-1 **York Sample ID:** 18H1380-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H1380	31401451.000 Task 01.00	Vapor Extraction	August 28, 2018 8:05 am	08/30/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-15-0	Carbon disulfide	ND		ug/m³	0.42	1.34	EPA TO-15	08/31/2018 22:45	08/31/2018 22:45	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
56-23-5	Carbon tetrachloride	ND		ug/m³	0.21	1.34	EPA TO-15	08/31/2018 22:45	08/31/2018 22:45	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
108-90-7	Chlorobenzene	ND		ug/m³	0.62	1.34	EPA TO-15	08/31/2018 22:45	08/31/2018 22:45	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-00-3	Chloroethane	ND		ug/m³	0.35	1.34	EPA TO-15	08/31/2018 22:45	08/31/2018 22:45	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
67-66-3	Chloroform	ND		ug/m³	0.65	1.34	EPA TO-15	08/31/2018 22:45	08/31/2018 22:45	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
74-87-3	Chloromethane	ND		ug/m³	0.28	1.34	EPA TO-15	08/31/2018 22:45	08/31/2018 22:45	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.13	1.34	EPA TO-15	08/31/2018 22:45	08/31/2018 22:45	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.61	1.34	EPA TO-15	08/31/2018 22:45	08/31/2018 22:45	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
110-82-7	Cyclohexane	ND		ug/m³	0.46	1.34	EPA TO-15	08/31/2018 22:45	08/31/2018 22:45	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
124-48-1	Dibromochloromethane	ND		ug/m³	1.1	1.34	EPA TO-15	08/31/2018 22:45	08/31/2018 22:45	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-71-8	Dichlorodifluoromethane	ND		ug/m³	0.66	1.34	EPA TO-15	08/31/2018 22:45	08/31/2018 22:45	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
141-78-6	* Ethyl acetate	ND		ug/m³	0.97	1.34	EPA TO-15	08/31/2018 22:45	08/31/2018 22:45	LDS
							Certifications:			
100-41-4	Ethyl Benzene	ND		ug/m³	0.58	1.34	EPA TO-15	08/31/2018 22:45	08/31/2018 22:45	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
87-68-3	Hexachlorobutadiene	ND		ug/m³	1.4	1.34	EPA TO-15	08/31/2018 22:45	08/31/2018 22:45	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
67-63-0	**Isopropanol**	**2.4**		ug/m³	0.66	1.34	EPA TO-15	08/31/2018 22:45	08/31/2018 22:45	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
80-62-6	Methyl Methacrylate	ND		ug/m³	0.55	1.34	EPA TO-15	08/31/2018 22:45	08/31/2018 22:45	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.48	1.34	EPA TO-15	08/31/2018 22:45	08/31/2018 22:45	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-09-2	Methylene chloride	ND		ug/m³	0.93	1.34	EPA TO-15	08/31/2018 22:45	08/31/2018 22:45	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
142-82-5	n-Heptane	ND		ug/m³	0.55	1.34	EPA TO-15	08/31/2018 22:45	08/31/2018 22:45	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
110-54-3	n-Hexane	ND		ug/m³	0.47	1.34	EPA TO-15	08/31/2018 22:45	08/31/2018 22:45	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
95-47-6	o-Xylene	ND		ug/m³	0.58	1.34	EPA TO-15	08/31/2018 22:45	08/31/2018 22:45	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			

Sample Information

Client Sample ID: AQ082818:805 NP4-1 **York Sample ID:** 18H1380-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18H1380	31401451.000 Task 01.00	Vapor Extraction	August 28, 2018 8:05 am	08/30/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
179601-23-1	p- & m- Xylenes	ND		ug/m³	1.2	1.34	EPA TO-15	08/31/2018 22:45	08/31/2018 22:45	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
622-96-8	* p-Ethyltoluene	ND		ug/m³	0.66	1.34	EPA TO-15	08/31/2018 22:45	08/31/2018 22:45	LDS
							Certifications:			
115-07-1	* Propylene	ND		ug/m³	0.23	1.34	EPA TO-15	08/31/2018 22:45	08/31/2018 22:45	LDS
							Certifications:			
100-42-5	Styrene	ND		ug/m³	0.57	1.34	EPA TO-15	08/31/2018 22:45	08/31/2018 22:45	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
127-18-4	**Tetrachloroethylene**	**5.5**		ug/m³	0.23	1.34	EPA TO-15	08/31/2018 22:45	08/31/2018 22:45	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
109-99-9	* Tetrahydrofuran	ND		ug/m³	0.79	1.34	EPA TO-15	08/31/2018 22:45	08/31/2018 22:45	LDS
							Certifications:			
108-88-3	**Toluene**	**3.4**		ug/m³	0.50	1.34	EPA TO-15	08/31/2018 22:45	08/31/2018 22:45	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.53	1.34	EPA TO-15	08/31/2018 22:45	08/31/2018 22:45	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.61	1.34	EPA TO-15	08/31/2018 22:45	08/31/2018 22:45	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
79-01-6	Trichloroethylene	ND		ug/m³	0.18	1.34	EPA TO-15	08/31/2018 22:45	08/31/2018 22:45	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m³	0.75	1.34	EPA TO-15	08/31/2018 22:45	08/31/2018 22:45	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
108-05-4	Vinyl acetate	ND		ug/m³	0.47	1.34	EPA TO-15	08/31/2018 22:45	08/31/2018 22:45	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
593-60-2	Vinyl bromide	ND		ug/m³	0.59	1.34	EPA TO-15	08/31/2018 22:45	08/31/2018 22:45	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-01-4	Vinyl Chloride	ND		ug/m³	0.086	1.34	EPA TO-15	08/31/2018 22:45	08/31/2018 22:45	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			

	Surrogate Recoveries	Result	Acceptance Range
460-00-4	*Surrogate: p-Bromofluorobenzene*	*103 %*	*70-130*

Sample and Data Qualifiers Relating to This Work Order

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.

CCV-A The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>30% Difference for average Rf). This applies to dectected analytes only.

Definitions and Other Explanations

* Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.

ND NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)

RL REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.

LOQ LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.

LOD LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.

MDL METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.

Reported to This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.

NR Not reported

RPD Relative Percent Difference

Wet The data has been reported on an as-received (wet weight) basis

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

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

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

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

Field Chain-of-Custody Record - AIR

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

YORK Project No. 18H1380

Page 1 of 1

YOUR Information	Report To:	Invoice To:
Company: WSP USA	Company: Same	Company: Same
Address: 4 Research Drive Ste 301 Shelton CT 06484	Address:	Address:
Phone.: 203-929-8555	Phone.:	Phone.:
Contact: Tunc Sandor	Contact:	Contact:
E-mail: tunc.sandor@wsp.com	E-mail:	E-mail:

YOUR Project Number: 31401451.000 Task 01.00

YOUR Project Name:

YOUR PO#: 31401451.000 Task 01.00

Turn-Around Time

- RUSH - Next Day
- RUSH - Two Day
- RUSH - Three Day
- RUSH - Four Day
- Standard (5-7 Day) ✓

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Samples Collected by: (print your name above and sign below)

Evan Foster

Air Matrix Codes

- AI - Indoor Ambient Air
- AO - Outdoor Amb. Air
- AE - Vapor Extraction Well/ Process Gas/Effluent
- AS - Soil Vapor/Sub-Slab

Samples From

- New York X
- New Jersey
- Connecticut
- Pennsylvania
- Other

Report / EDD Type (circle selections)

Summary Report	CT RCP	Standard Excel EDD
QA Report	CT RCP DQA/DUE	EQuIS (Standard)
NY ASP A Package	NJDEP Reduced Deliv.	NYSDEC EQuIS
NY ASP B Package	NJDKQP	NJDEP SRP HazSite
Other: Project Specific List by TO-15		

YORK Reg. Comp.

Compared to the following Regulation(s): (please fill in)

Certified Canisters: Batch ___ Individual ___

Please enter the following REQUIRED Field Data

Reporting Units: ug/m³ ___ ppbv ___ ppmv ___

Sample Identification	Date/Time Sampled	Air Matrix	Canister Vacuum Before Sampling (in Hg)	Canister Vacuum After Sampling (in Hg)	Canister ID	Flow Cont. ID	Analysis Requested
AQ082818:800 NY4-3	8/28/18; 800	AE	-30	-7.0			TO-15 EPA
" 805 NY4-1	" 805	AE	-30	-7.0			TO-15 EPA

Comments:

Detection Limits Required

≤ 1 ug/m³ ___ NYSDEC V1 Limits ___

Routine Survey ___ Other ___

Sampling Media

- 6 Liter Canister X
- Tedlar Bag

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
WSP	8/29/18 900	WSP USA Fridge	8/29/18 900		
Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time
	8-30-18 12:30	J. Hale / YORK	8-30-18 / 1830		
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time
	8-30-18 1550	J. Hale / YORK	8-30-18 / 1550	KBath York	8/31/18 830

KBath York 8/31/18 730am

8-31-18 730