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 June 2018 Status Report

DATE: October 19, 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, RW-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 June 1, 2018 through June 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

(June 1, 2018 through June 30, 2018)

1. Hours of operation during the reporting period:	588 hours (81.7%)
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:	1,233,065 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:	0.05 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

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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 May 20 to June 5 because of a malfunctioning uninterruptable power supply.

Well	Volume pumped (gal)	Total VOC Concentration (ug/L)
RW-2 [1/]	902,452	0.2
FRW-1 [2/]	56,825	26.4
FRW-2 [2]	12,722	5.9
FRW-3 [2/]	88,216	51.6
FRW-4 [2/]	254,869	3.1

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

[2/] The above table summarizes the parameters for the FRWs from June 5 to July 2, 2018.

On June 5, 2018, the system was off because of a UPS fault. The UPS was reset and the system was restarted. The electrician will be scheduled to conduct further troubleshooting of the UPS. On June 29, 2018, a loss of groundwater flow occurred from RW-2. This issue was not discovered until the O&M data was reviewed on July 5, 2018. Additional details about system maintenance work are included in Table 1.

SUMMARY OF SAMPLING ACTIVITIES

June 2018 groundwater quality sampling was completed for the following wells:

- Monthly groundwater samples were collected from RW-2, FRW-1, FRW-2, FRW-3 and FRW-4 on June 5, 2018;
- A subsurface investigation was conducted in the Former Drum Storage Area (FDSA) from June 18 to 20, 2018. Seven borings (SB13 to SB19) were advanced to approximately 30 ft bg and 16 soil samples were collected in the saturated zone at depths ranging from approximately 22 to 33 feet below-grade (ft bg). Groundwater quality samples were collected from monitor wells MW98-01A, MW98-04 and MW98-05BR. A report about the FDSA subsurface investigation will be provided separately.

Tables 3 to 7 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 COC concentrations in the groundwater samples collected at FRW-2 and 4 were below their respective ARARs this month. The PCE concentrations from the groundwater samples collected from

FRW-1 and 3 were above the ARAR. The TCE concentration in FRW-3 was also above the ARAR while the remaining COCs in FRW-1 and FRW-3 were below associated ARARs.

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 July 2018 include:

- troubleshoot the uninterruptable power supply, security system remote monitoring options, and RW-2 flow issue.;
- 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 Environ-.pdf
Renee (Petersen) DeBaene, Ramboll Environ-.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\June\Status Report _June 2018.docx

TABLES

TABLE 1

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

MAINTENANCE LOG
(June 1, 2018 through June 30, 2018)

Date	Time	System Changes/Modifications	Personnel
6/5/18	12:33 PM	Arrived onsite to discover the system was off because of a malfunctioning uninterruptable power supply (UPS). It was determined that the system had been off since May 20, 2018. The UPS was reset and the system was restarted. Future troubleshooting with the electrician will be required to determine if a new UPS is required. Schedule appointment with the electrician.	EF
		Called ATP Security service to troubleshoot security signal. ATP cannot call in to obtain a signal from the FSP&T security monitoring system. ATP indicated that it could be an issue with the phone service so Verizon will be contacted to determine if the phone service for the Site is working properly.	EF
		Changed the multi-bag filter bags (400 um) in Banks 1 and 2, seven of eight housings used. Banks 1 and 2 left open. Bank 3 closed.	
		Cleaned iron fouling from the FRW-1, 2, 3, 4 and FP&T system effluent flow meter paddle wheels.	EF
6/8/18		A spot check indicates both systems are operating normally.	JF
6/19/18	12:13 PM	Power failure alarm; systems shut down	
6/20/18	11:10 AM	Reset the alarm and restarted both systems.	EF
		Cleaned iron fouling from the FRW-1, 2, 3, 4 and FP&T system effluent flow meter paddle wheels.	EF
6/21/18		Verizon indicates the phone service is working properly. Communicated this information to ATP and they recommended the installation of a cell unit but we need to measure cell phone signal strength in the back and in the front of the FSP&T building to determine the most appropriate location of the cell unit. This information will be collected on the next scheduled site visit in July.	MG
6/29/18	9:30 PM	A loss of flow from RW-2 occurred at this time; however, no alarm occurred and this information was not discovered until the O&M data was reviewed on July 5, 2018. Troubleshooting will begin.	

Notes:

EF	Evan Foster, WSP USA
JF	Jamie Forrester, WSP USA
MG	Mark Goldberg, WSP USA

H:\NABIS\2018\Monthly Reports\June\Table 1 Maintenance Record June 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 (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**	**---**	**---**
1-Jun-17	6.5	127	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	0.10	0.097
6-Jul-17	6.5	159	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	0.46	ND<0.02
1-Aug-17	6.8	143	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	3.00	0.193
5-Sep-17	6.8	298	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	2.12	0.051
4-Oct-17	6.5	162	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	2.24	0.036
1-Nov-17	6.8	196	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	0.66	0.043
5-Dec-17	6.9	153	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	1.04	0.053
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

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. The pH of the effluent sample collected on June 20, 2018 was 6.8.
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.

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

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**
7-Jun-16	**57**	1.6	3.0	ND<0.5	0.43	ND<0.5	ND<2	ND<0.5	ND<0.5	1.3 J
7-Jul-16	**40**	0.95	0.75	ND<0.5	0.30 J	ND<0.5	ND<2	ND<0.5	ND<0.5	1.6 J
The FRWs were shut down between July 15 and July 18, 2016 and again after July 29, 2016										
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

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.

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

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**
7-Jun-16	**39**	**5.7**	2.2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	5.3
7-Jul-16	**21**	**1.4**	0.30 J	ND<0.5	ND<0.5	0.22	ND<0.5	ND<2
The FRWs were shut down between July 15 and July 18, 2016 and again after July 29, 2016								
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

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.

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**
7-Jun-16	**54**	4.8	**7.8**	ND<0.5	ND<0.5	0.29 J	ND<0.5	1.0	0.48 J	ND<0.5	ND<0.5	1.7
7-Jul-16	**15**	1.7	2.4	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.2	0.57	ND<0.5	7.3	ND<2
The FRWs were shut down between July 15 and July 18, 2016 and again after July 29, 2016												
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

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.

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**
7-Jun-16	**8.5**	0.91	1.4	ND<0.5	ND<0.5	1.2 J
7-Jul-16	**7.5**	0.78	1.4	ND<0.5	ND<0.5	ND<2
The FRWs were shut down between July 15 and July 18, 2016 and again after July 29, 2016						
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

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.

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

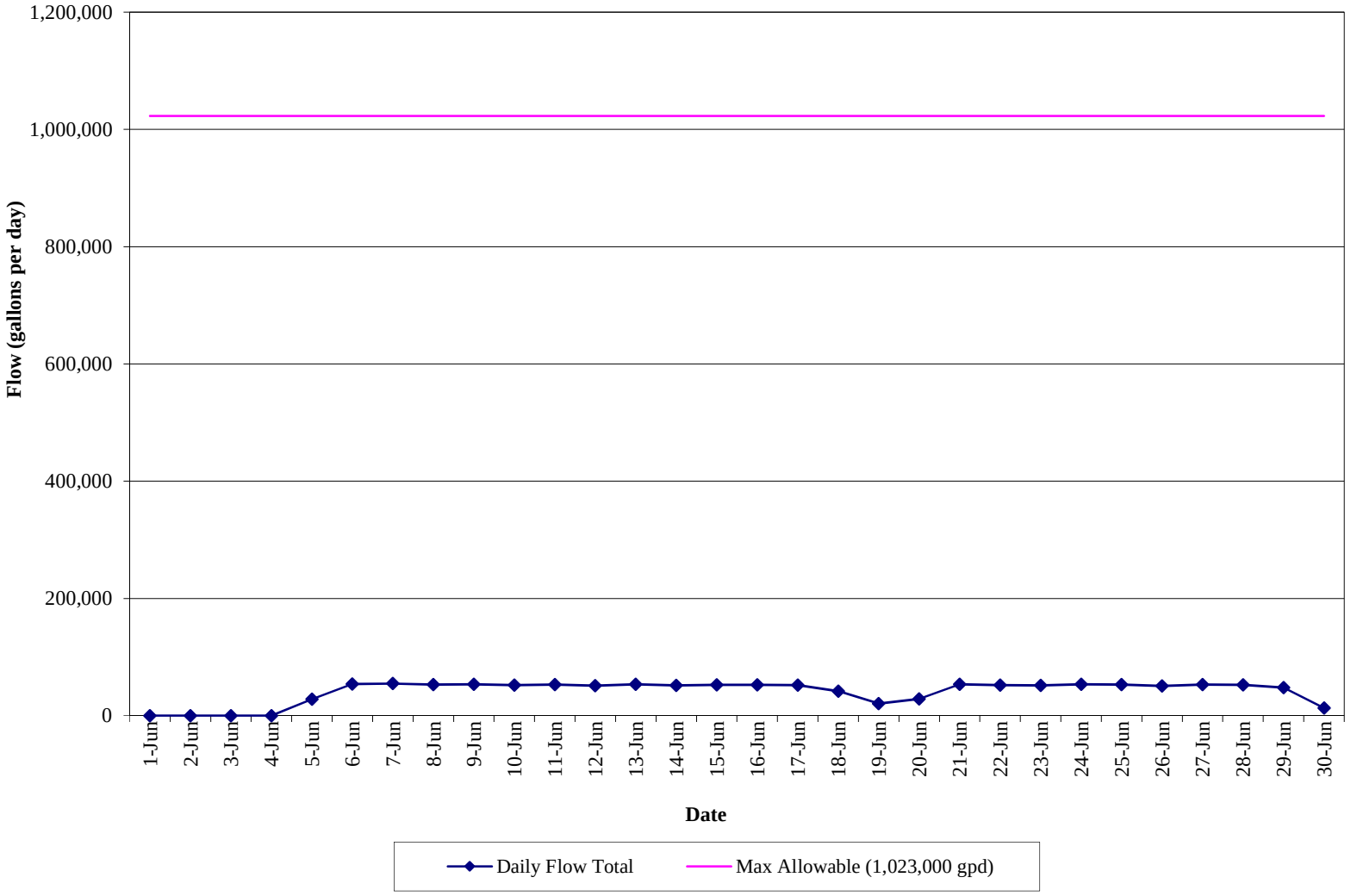
Comments:
As of September 1, 2011 the water samples are analyzed by York Analytical Laboratories, Inc. The laboratory typically uses a reporting limit (RL) for water of 5 ug/l for VOC. York reports detections below 0.5 ug/l as an estimated value; these values are below the RL but greater than or equal 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

GRAPHS

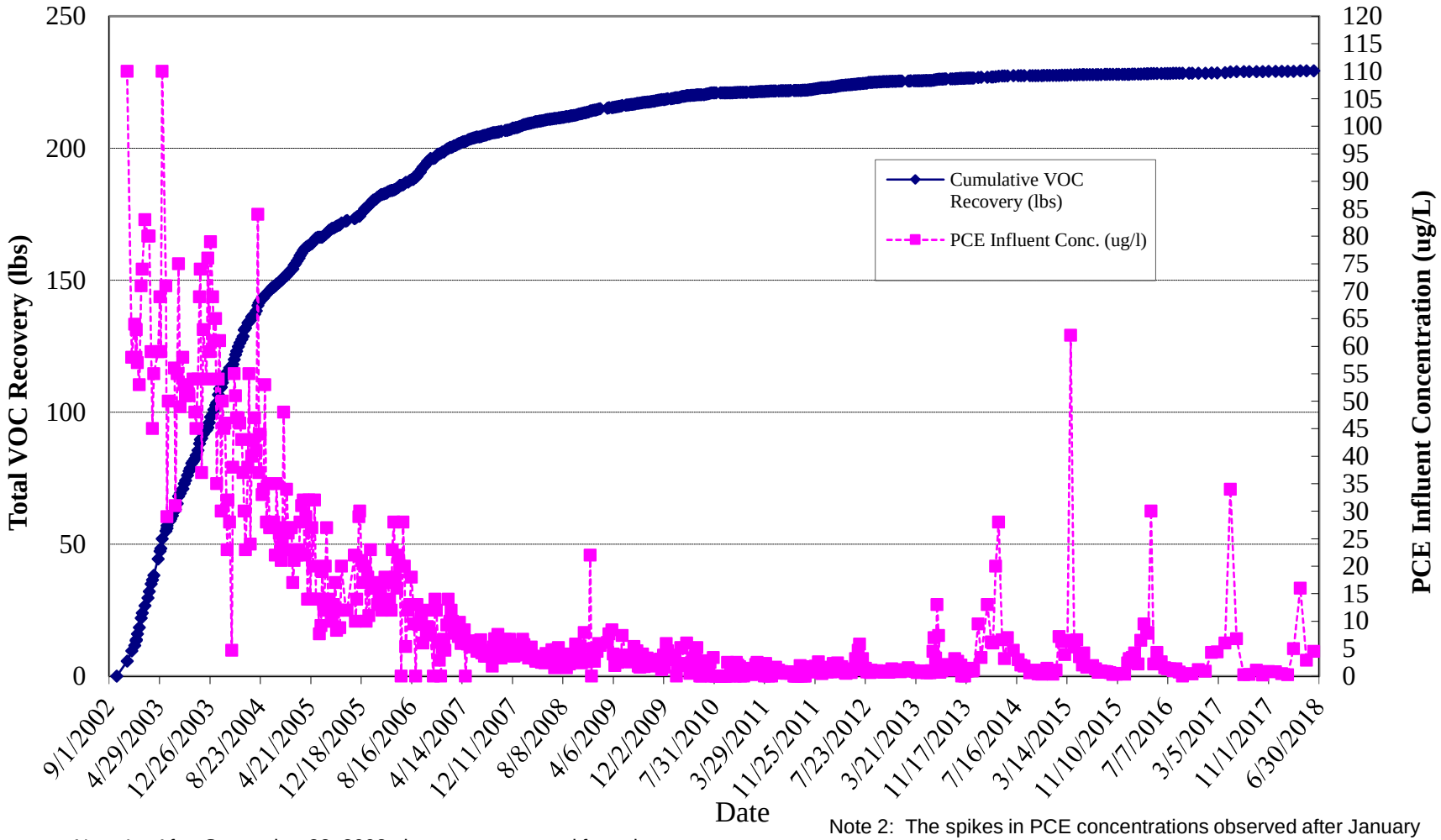
GRAPH 1
GROUNDWATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

Effluent Flow Data
(June 1, 2018 to June 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



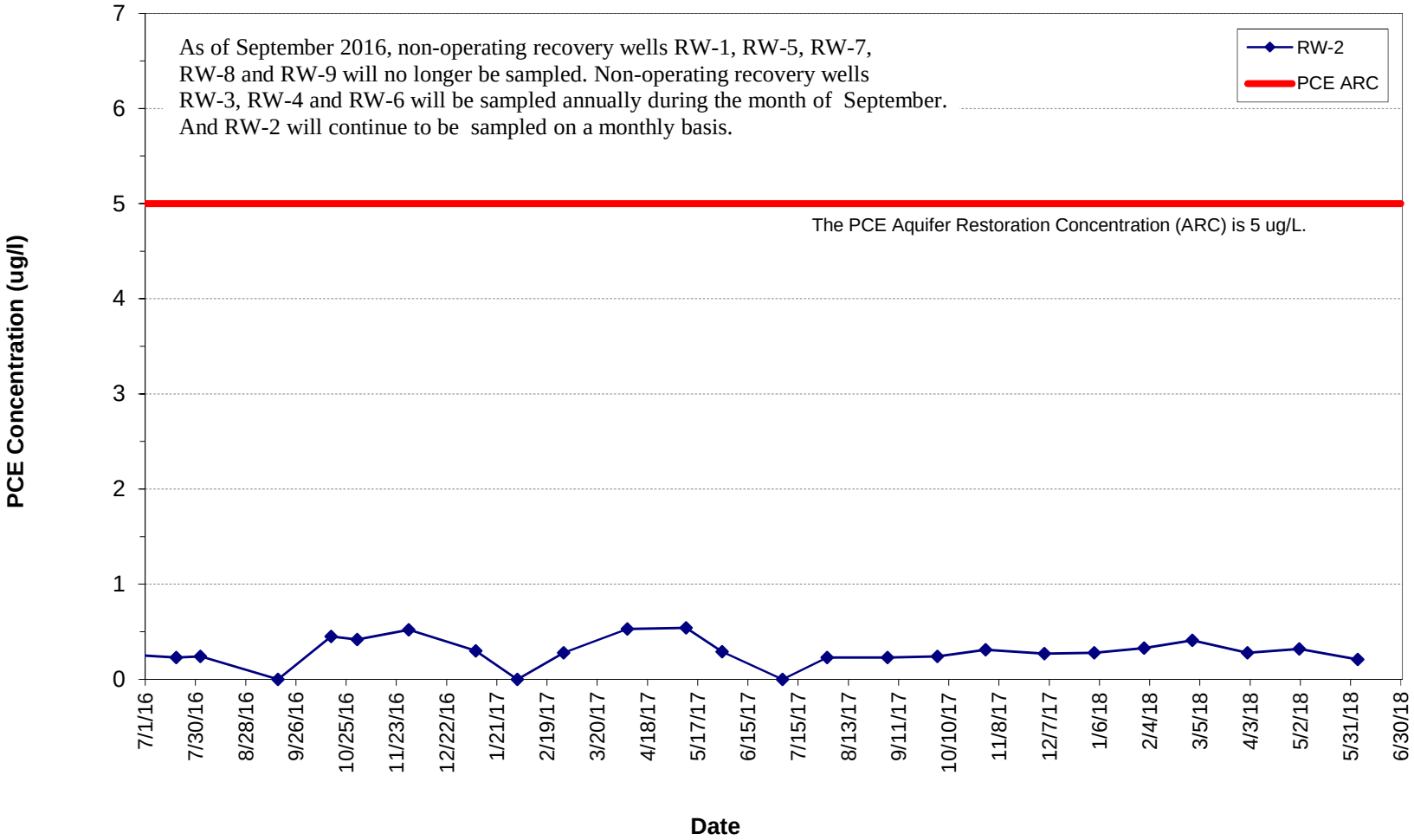
Note 1 : After September 22, 2008, the water recovered from the FP&T System is included in the results shown in this graph.

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

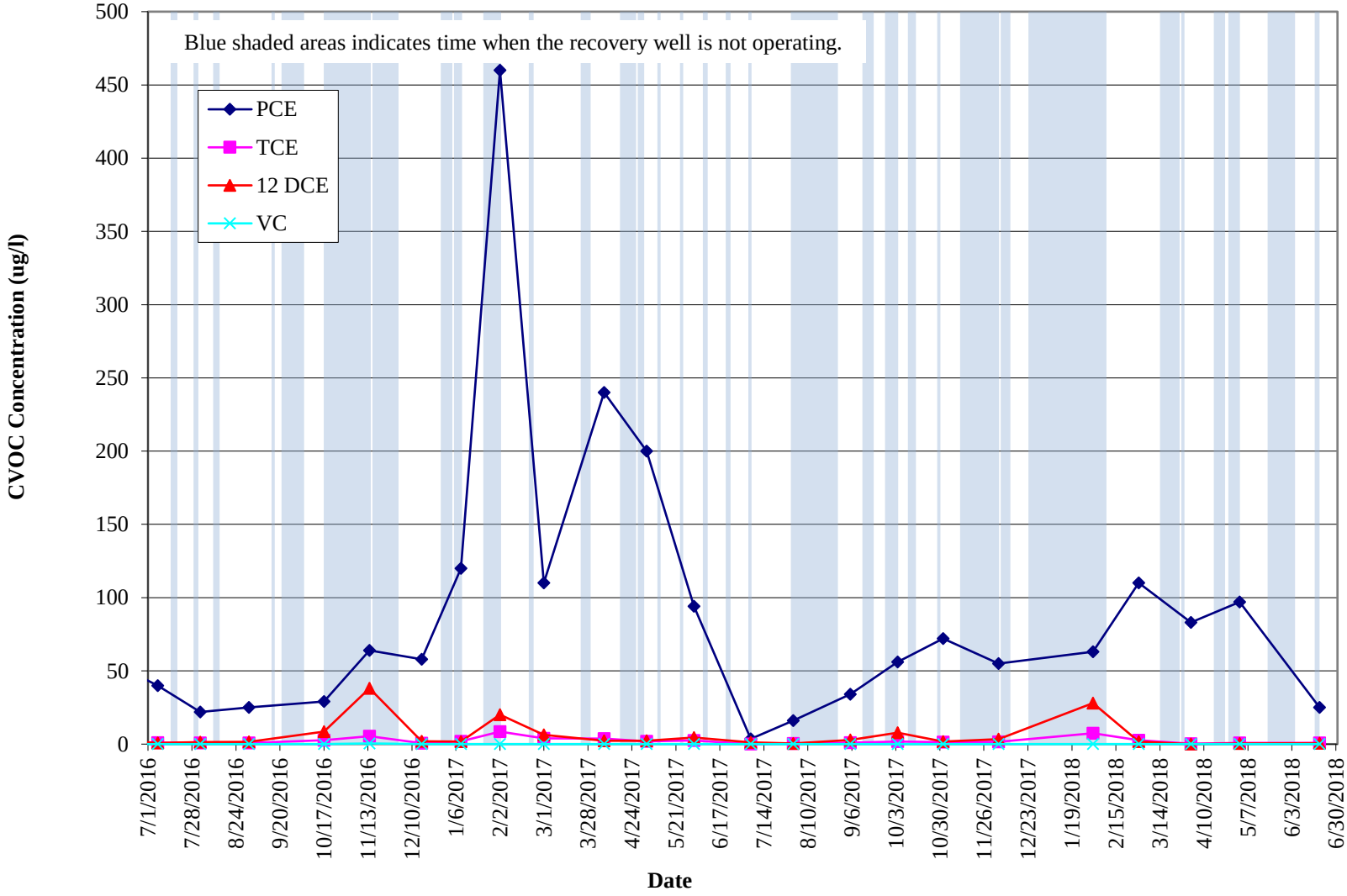
GROUNDWATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

FSP&T Recovery Well PCE Concentration

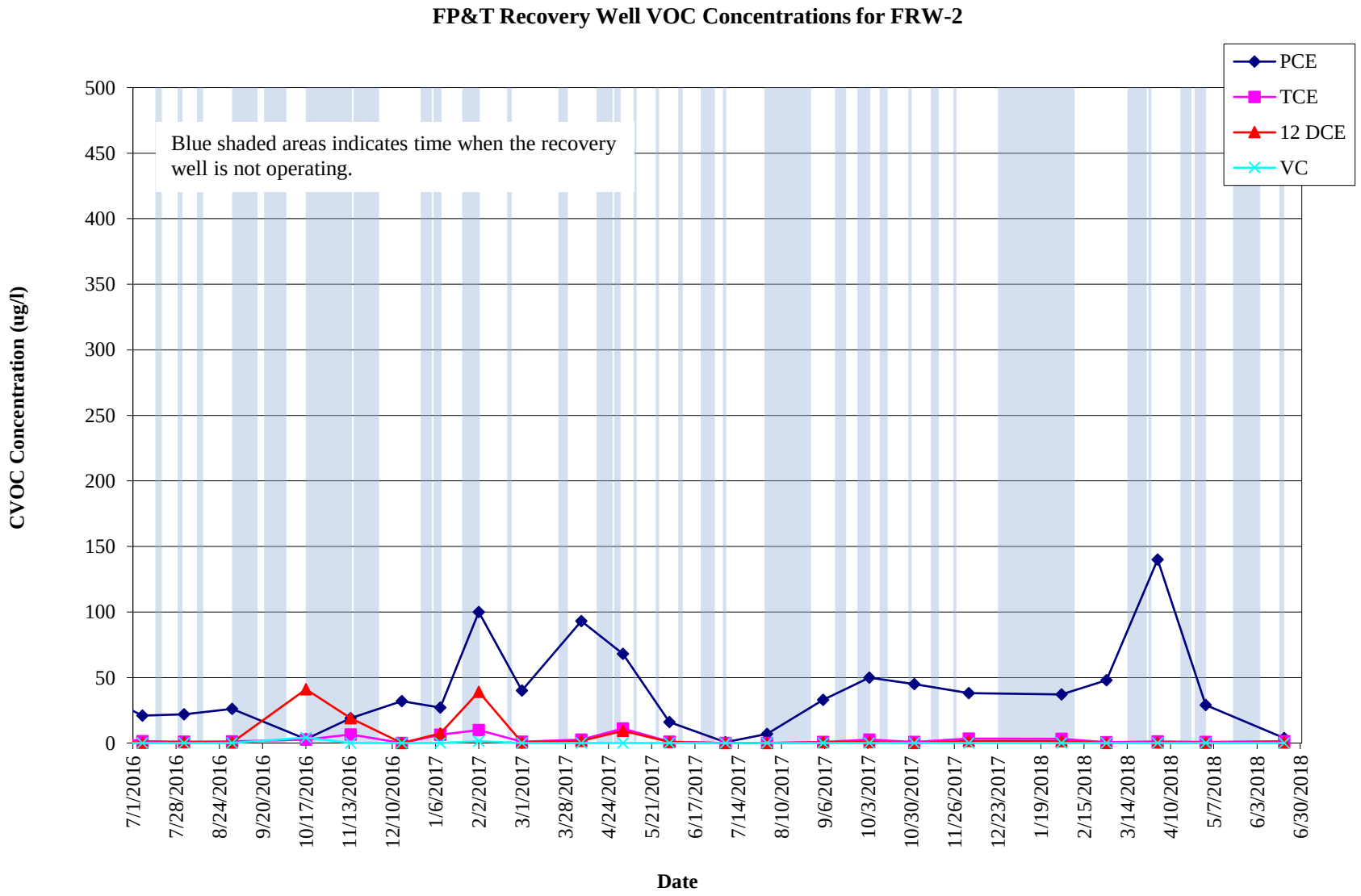


GRAPH 4
GROUNDWATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

FP&T Recovery Well VOC Concentrations for FRW-1

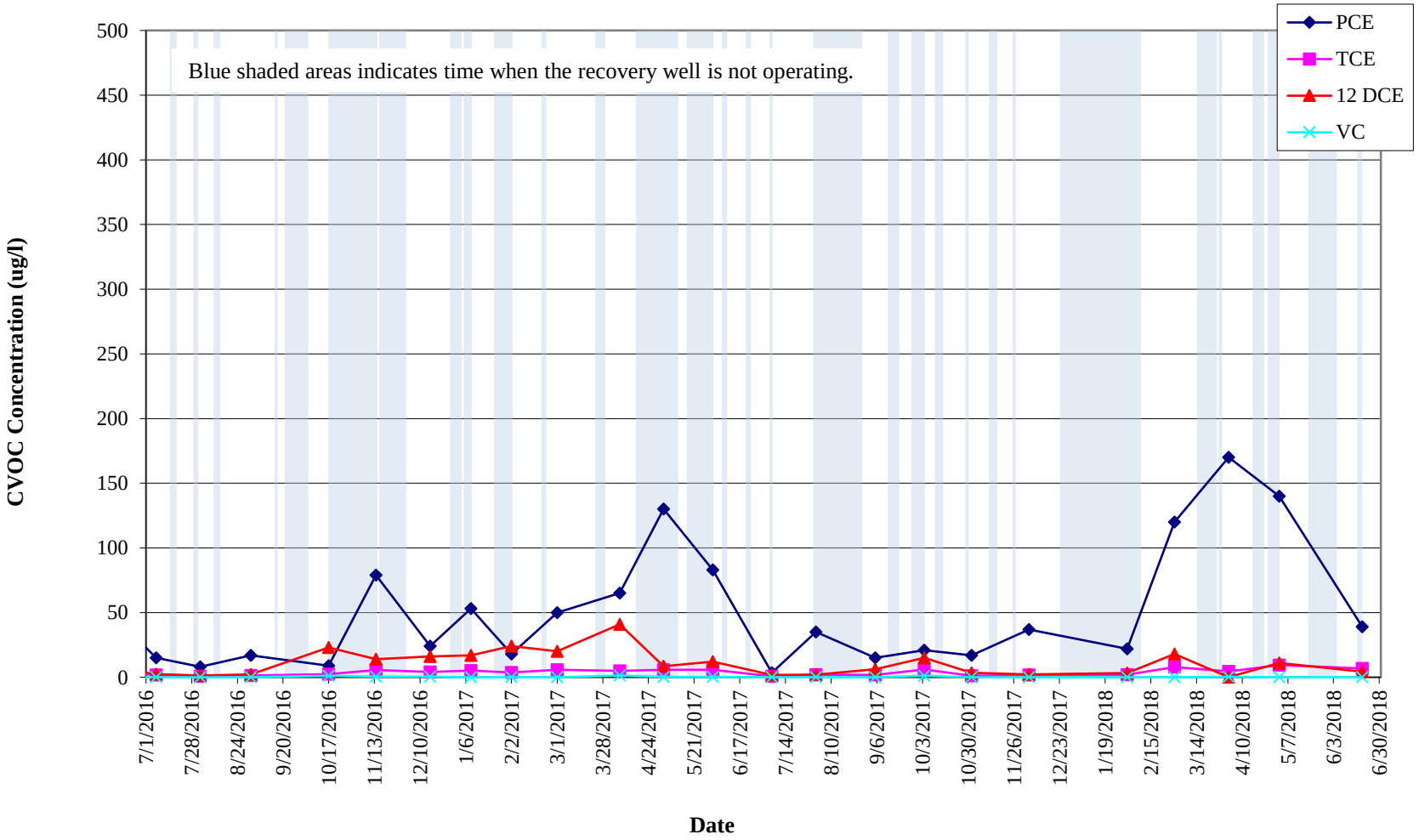


GRAPH 5
GROUNDWATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

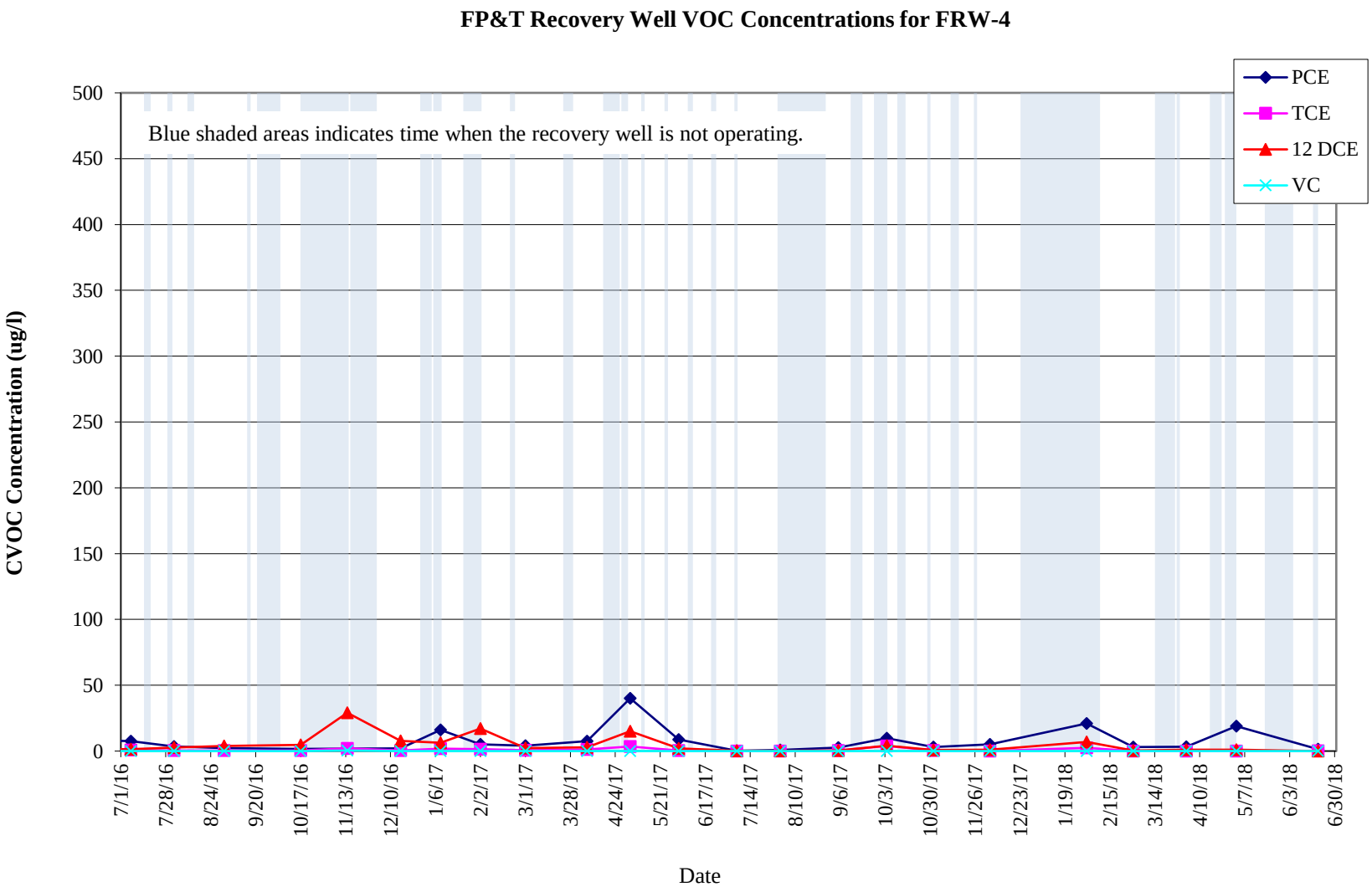


GRAPH 6
GROUNDWATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

FP&T Recovery Well VOC Concentrations for FRW-3



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



APPENDIX I

JUNE 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: 06/14/2018
Client Project ID: Rowe Industries
York Project (SDG) No.: 18F0246

Report Date: 06/14/2018
Client Project ID: Rowe Industries
York Project (SDG) No.: 18F0246

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 June 07, 2018 and listed below. The project was identified as your project: **Rowe Industries**.

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
18F0246-01	WQ060518: NP2-6	Water	06/05/2018	06/07/2018
18F0246-02	WQ060518: NP2-10	Water	06/05/2018	06/07/2018

General Notes for York Project (SDG) No.: 18F0246

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: 06/14/2018

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: WQ060518: NP2-6 **York Sample ID:** 18F0246-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18F0246	Rowe Industries	Water	June 5, 2018 1:00 pm	06/07/2018

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	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 16:11	RDS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 16:11	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 16:11	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 16:11	RDS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 16:11	RDS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 16:11	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 16:11	RDS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP	06/11/2018 16:11	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 16:11	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 16:11	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 16:11	RDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 16:11	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 16:11	RDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 16:11	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 16:11	RDS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 16:11	RDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 16:11	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 16:11	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 16:11	RDS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 16:11	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 16:11	RDS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 16:11	RDS

Sample Information

Client Sample ID: WQ060518: NP2-6 **York Sample ID:** 18F0246-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18F0246	Rowe Industries	Water	June 5, 2018 1:00 pm	06/07/2018

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	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 16:11	RDS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 16:11	RDS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 16:11	RDS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	06/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 16:11	RDS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 16:11	RDS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 16:11	RDS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 16:11	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 16:11	RDS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 16:11	RDS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 16:11	RDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 16:11	RDS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 16:11	RDS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 16:11	RDS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 16:11	RDS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 16:11	RDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 16:11	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 16:11	RDS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 16:11	RDS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 16:11	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 16:11	RDS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 16:11	RDS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 16:11	RDS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 16:11	RDS

Sample Information

Client Sample ID: WQ060518: NP2-6 **York Sample ID:** 18F0246-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18F0246	Rowe Industries	Water	June 5, 2018 1:00 pm	06/07/2018

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	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 16:11 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 16:11 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 16:11 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 16:11 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 16:11 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 16:11 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	RDS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 16:11 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	RDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 16:11 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 16:11 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 16:11 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 16:11 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
127-18-4	**Tetrachloroethylene**	**4.5**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 16:11 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 16:11 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 16:11 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 16:11 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 16:11 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 16:11 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 16:11 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 16:11 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	RDS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*110 %*	*69-130*
2037-26-5	*Surrogate: Toluene-d8*	*107 %*	*81-117*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*101 %*	*79-122*

Sample Information

Client Sample ID: WQ060518: NP2-10 **York Sample ID:** 18F0246-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18F0246	Rowe Industries	Water	June 5, 2018 1:05 pm	06/07/2018

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	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 16:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 16:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 16:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 16:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 16:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 16:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 16:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 16:40 NELAC-NY10854,NELAC-NY12058,NJDEP	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 16:40 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 16:40 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 16:40 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 16:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 16:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 16:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 16:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 16:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 16:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 16:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 16:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 16:40 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 16:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 16:40 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 16:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS

Sample Information

Client Sample ID: WQ060518: NP2-10 **York Sample ID:** 18F0246-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18F0246	Rowe Industries	Water	June 5, 2018 1:05 pm	06/07/2018

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	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 16:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 16:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 16:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 16:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 16:40 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 16:40 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 16:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 16:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 16:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 16:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 16:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 16:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 16:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 16:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 16:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 16:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 16:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 16:40 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 16:40 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 16:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 16:40 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 16:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 16:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS

Sample Information

Client Sample ID: WQ060518: NP2-10 **York Sample ID:** 18F0246-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18F0246	Rowe Industries	Water	June 5, 2018 1:05 pm	06/07/2018

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	1.0	2.0	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 16:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 16:40 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 16:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 16:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 16:40 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	RDS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 16:40 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	RDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 16:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 16:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 16:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 16:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 16:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 16:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 16:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 16:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 16:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 16:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 16:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 16:40 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	RDS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*110 %*	*69-130*
2037-26-5	*Surrogate: Toluene-d8*	*105 %*	*81-117*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*101 %*	*79-122*

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: WQ060518: NP2-10 **York Sample ID:** 18F0246-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18F0246	Rowe Industries	Water	June 5, 2018 1:05 pm	06/07/2018

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**	**0.252**		mg/L	0.0222	1	EPA 200.7	06/13/2018 09:51	06/13/2018 16:18	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	ND		mg/L	0.0222	1	EPA 6010C	06/13/2018 09:47	06/13/2018 14:33	KML
							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	**138**		mg/L	10.0	1	SM 2540C	06/08/2018 15:58	06/11/2018 16:49	AA
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Analytical Batch Summary

Batch ID: BF80463 **Preparation Method:** % Solids Prep **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
18F0246-02	WQ060518: NP2-10	06/08/18
BF80463-BLK1	Blank	06/08/18

Batch ID: BF80497 **Preparation Method:** EPA 5030B **Prepared By:** RDS

YORK Sample ID	Client Sample ID	Preparation Date
18F0246-01	WQ060518: NP2-6	06/11/18
18F0246-02	WQ060518: NP2-10	06/11/18
BF80497-BLK1	Blank	06/11/18
BF80497-BS1	LCS	06/11/18
BF80497-BSD1	LCS Dup	06/11/18

Batch ID: BF80677 **Preparation Method:** EPA 3015A **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
18F0246-02	WQ060518: NP2-10	06/13/18
BF80677-BLK1	Blank	06/13/18
BF80677-BS1	LCS	06/13/18

Batch ID: BF80679 **Preparation Method:** EPA 200.7 **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
18F0246-02	WQ060518: NP2-10	06/13/18
BF80679-BLK1	Blank	06/13/18
BF80679-BS1	LCS	06/13/18

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 BF80497 - EPA 5030B											
Blank (BF80497-BLK1)											
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,1-Dichloropropylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,3-Dichloropropane	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
2,2-Dichloropropane	ND	0.50	"								
2-Chlorotoluene	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Chlorotoluene	ND	0.50	"								
Acetone	ND	2.0	"								
Benzene	ND	0.50	"								
Bromobenzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	ND	2.0	"								
Naphthalene	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								

Prepared & Analyzed: 06/11/2018

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 BF80497 - EPA 5030B											
Blank (BF80497-BLK1)								Prepared & Analyzed: 06/11/2018			
o-Xylene	ND	0.50	ug/L								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: 1,2-Dichloroethane-d4	*10.7*		*"*	*10.0*		*107*	*69-130*				
Surrogate: Toluene-d8	*10.6*		*"*	*10.0*		*106*	*81-117*				
Surrogate: p-Bromofluorobenzene	*10.2*		*"*	*10.0*		*102*	*79-122*				
LCS (BF80497-BS1)								Prepared & Analyzed: 06/11/2018			
1,1,1,2-Tetrachloroethane	11.3		ug/L	10.0		113	82-126				
1,1,1-Trichloroethane	9.95		"	10.0		99.5	78-136				
1,1,2,2-Tetrachloroethane	11.0		"	10.0		110	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.0		"	10.0		110	54-165				
1,1,2-Trichloroethane	9.80		"	10.0		98.0	82-123				
1,1-Dichloroethane	9.86		"	10.0		98.6	82-129				
1,1-Dichloroethylene	9.88		"	10.0		98.8	68-138				
1,1-Dichloropropylene	10.1		"	10.0		101	83-133				
1,2,3-Trichlorobenzene	10.3		"	10.0		103	76-136				
1,2,3-Trichloropropane	10.4		"	10.0		104	77-128				
1,2,4-Trichlorobenzene	10.5		"	10.0		105	76-137				
1,2,4-Trimethylbenzene	11.3		"	10.0		113	82-132				
1,2-Dibromo-3-chloropropane	10.1		"	10.0		101	45-147				
1,2-Dibromoethane	9.93		"	10.0		99.3	83-124				
1,2-Dichlorobenzene	10.6		"	10.0		106	79-123				
1,2-Dichloroethane	9.42		"	10.0		94.2	73-132				
1,2-Dichloropropane	9.97		"	10.0		99.7	78-126				
1,3,5-Trimethylbenzene	11.3		"	10.0		113	80-131				
1,3-Dichlorobenzene	11.3		"	10.0		113	86-122				
1,3-Dichloropropane	9.89		"	10.0		98.9	81-125				
1,4-Dichlorobenzene	10.7		"	10.0		107	85-124				
2,2-Dichloropropane	11.8		"	10.0		118	56-150				
2-Chlorotoluene	11.4		"	10.0		114	79-130				
2-Hexanone	9.56		"	10.0		95.6	51-146				
4-Chlorotoluene	10.8		"	10.0		108	79-128				
Acetone	8.20		"	10.0		82.0	14-150				
Benzene	9.85		"	10.0		98.5	85-126				
Bromobenzene	10.5		"	10.0		105	78-129				
Bromochloromethane	9.49		"	10.0		94.9	77-128				
Bromodichloromethane	9.97		"	10.0		99.7	79-128				
Bromoform	10.4		"	10.0		104	78-133				
Bromomethane	5.66		"	10.0		56.6	43-168				

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 BF80497 - EPA 5030B											
LCS (BF80497-BS1)							Prepared & Analyzed: 06/11/2018				
Carbon tetrachloride	10.5		ug/L	10.0		105	77-141				
Chlorobenzene	10.6		"	10.0		106	88-120				
Chloroethane	10.2		"	10.0		102	65-136				
Chloroform	9.36		"	10.0		93.6	82-128				
Chloromethane	9.61		"	10.0		96.1	43-155				
cis-1,2-Dichloroethylene	9.85		"	10.0		98.5	83-129				
cis-1,3-Dichloropropylene	10.7		"	10.0		107	80-131				
Dibromochloromethane	10.7		"	10.0		107	80-130				
Dibromomethane	9.78		"	10.0		97.8	72-134				
Dichlorodifluoromethane	14.1		"	10.0		141	44-144				
Ethyl Benzene	11.2		"	10.0		112	80-131				
Hexachlorobutadiene	11.3		"	10.0		113	67-146				
Isopropylbenzene	11.4		"	10.0		114	76-140				
Methyl tert-butyl ether (MTBE)	9.47		"	10.0		94.7	76-135				
Methylene chloride	9.95		"	10.0		99.5	55-137				
Naphthalene	10.1		"	10.0		101	70-147				
n-Butylbenzene	11.8		"	10.0		118	79-132				
n-Propylbenzene	11.2		"	10.0		112	78-133				
o-Xylene	10.8		"	10.0		108	78-130				
p- & m- Xylenes	23.0		"	20.0		115	77-133				
p-Isopropyltoluene	11.7		"	10.0		117	81-136				
sec-Butylbenzene	12.1		"	10.0		121	79-137				
Styrene	10.5		"	10.0		105	67-132				
tert-Butylbenzene	11.3		"	10.0		113	77-138				
Tetrachloroethylene	8.88		"	10.0		88.8	82-131				
Toluene	10.9		"	10.0		109	80-127				
trans-1,2-Dichloroethylene	9.71		"	10.0		97.1	80-132				
trans-1,3-Dichloropropylene	10.5		"	10.0		105	78-131				
Trichloroethylene	10.3		"	10.0		103	82-128				
Trichlorofluoromethane	10.9		"	10.0		109	67-139				
Vinyl Chloride	10.6		"	10.0		106	58-145				
Surrogate: 1,2-Dichloroethane-d4	*10.6*		*"*	*10.0*		*106*	*69-130*				
Surrogate: Toluene-d8	*10.6*		*"*	*10.0*		*106*	*81-117*				
Surrogate: p-Bromofluorobenzene	*9.93*		*"*	*10.0*		*99.3*	*79-122*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF80497 - EPA 5030B											
LCS Dup (BF80497-BSD1)								Prepared & Analyzed: 06/11/2018			
1,1,1,2-Tetrachloroethane	11.6		ug/L	10.0		116	82-126		2.18	30	
1,1,1-Trichloroethane	10.0		"	10.0		100	78-136		0.701	30	
1,1,2,2-Tetrachloroethane	11.4		"	10.0		114	76-129		3.30	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.8		"	10.0		108	54-165		2.11	30	
1,1,2-Trichloroethane	10.2		"	10.0		102	82-123		4.39	30	
1,1-Dichloroethane	10.0		"	10.0		100	82-129		1.71	30	
1,1-Dichloroethylene	9.93		"	10.0		99.3	68-138		0.505	30	
1,1-Dichloropropylene	10.1		"	10.0		101	83-133		0.0989	30	
1,2,3-Trichlorobenzene	11.0		"	10.0		110	76-136		6.21	30	
1,2,3-Trichloropropane	10.6		"	10.0		106	77-128		1.62	30	
1,2,4-Trichlorobenzene	10.8		"	10.0		108	76-137		3.09	30	
1,2,4-Trimethylbenzene	11.5		"	10.0		115	82-132		1.75	30	
1,2-Dibromo-3-chloropropane	10.2		"	10.0		102	45-147		0.981	30	
1,2-Dibromoethane	10.3		"	10.0		103	83-124		3.37	30	
1,2-Dichlorobenzene	10.9		"	10.0		109	79-123		2.97	30	
1,2-Dichloroethane	9.71		"	10.0		97.1	73-132		3.03	30	
1,2-Dichloropropane	10.2		"	10.0		102	78-126		2.57	30	
1,3,5-Trimethylbenzene	11.4		"	10.0		114	80-131		1.05	30	
1,3-Dichlorobenzene	11.4		"	10.0		114	86-122		1.50	30	
1,3-Dichloropropane	10.3		"	10.0		103	81-125		3.67	30	
1,4-Dichlorobenzene	10.9		"	10.0		109	85-124		2.31	30	
2,2-Dichloropropane	11.7		"	10.0		117	56-150		0.853	30	
2-Chlorotoluene	11.5		"	10.0		115	79-130		1.31	30	
2-Hexanone	9.76		"	10.0		97.6	51-146		2.07	30	
4-Chlorotoluene	10.9		"	10.0		109	79-128		0.921	30	
Acetone	7.60		"	10.0		76.0	14-150		7.59	30	
Benzene	10.0		"	10.0		100	85-126		1.61	30	
Bromobenzene	10.7		"	10.0		107	78-129		1.79	30	
Bromochloromethane	9.82		"	10.0		98.2	77-128		3.42	30	
Bromodichloromethane	10.2		"	10.0		102	79-128		2.48	30	
Bromoform	10.8		"	10.0		108	78-133		3.30	30	
Bromomethane	6.29		"	10.0		62.9	43-168		10.5	30	
Carbon tetrachloride	10.6		"	10.0		106	77-141		0.949	30	
Chlorobenzene	10.8		"	10.0		108	88-120		1.96	30	
Chloroethane	10.4		"	10.0		104	65-136		1.95	30	
Chloroform	9.64		"	10.0		96.4	82-128		2.95	30	
Chloromethane	9.76		"	10.0		97.6	43-155		1.55	30	
cis-1,2-Dichloroethylene	10.0		"	10.0		100	83-129		1.71	30	
cis-1,3-Dichloropropylene	10.9		"	10.0		109	80-131		2.41	30	
Dibromochloromethane	11.1		"	10.0		111	80-130		3.76	30	
Dibromomethane	10.1		"	10.0		101	72-134		3.22	30	
Dichlorodifluoromethane	13.9		"	10.0		139	44-144		0.999	30	
Ethyl Benzene	11.3		"	10.0		113	80-131		0.887	30	
Hexachlorobutadiene	11.6		"	10.0		116	67-146		2.36	30	
Isopropylbenzene	11.4		"	10.0		114	76-140		0.614	30	
Methyl tert-butyl ether (MTBE)	9.99		"	10.0		99.9	76-135		5.34	30	
Methylene chloride	10.5		"	10.0		105	55-137		5.28	30	
Naphthalene	10.4		"	10.0		104	70-147		3.11	30	
n-Butylbenzene	10.8		"	10.0		108	79-132		8.79	30	
n-Propylbenzene	11.3		"	10.0		113	78-133		0.975	30	
o-Xylene	11.0		"	10.0		110	78-130		2.11	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF80497 - EPA 5030B											
LCS Dup (BF80497-BSD1)								Prepared & Analyzed: 06/11/2018			
p- & m- Xylenes	23.4		ug/L	20.0		117	77-133		1.60	30	
p-Isopropyltoluene	11.8		"	10.0		118	81-136		0.341	30	
sec-Butylbenzene	12.2		"	10.0		122	79-137		0.739	30	
Styrene	10.7		"	10.0		107	67-132		2.17	30	
tert-Butylbenzene	11.4		"	10.0		114	77-138		0.615	30	
Tetrachloroethylene	8.84		"	10.0		88.4	82-131		0.451	30	
Toluene	11.0		"	10.0		110	80-127		0.916	30	
trans-1,2-Dichloroethylene	9.83		"	10.0		98.3	80-132		1.23	30	
trans-1,3-Dichloropropylene	10.9		"	10.0		109	78-131		3.37	30	
Trichloroethylene	10.4		"	10.0		104	82-128		0.969	30	
Trichlorofluoromethane	10.8		"	10.0		108	67-139		0.553	30	
Vinyl Chloride	10.6		"	10.0		106	58-145		0.0939	30	
Surrogate: 1,2-Dichloroethane-d4	*10.5*		*"*	*10.0*		*105*	*69-130*				
Surrogate: Toluene-d8	*10.5*		*"*	*10.0*		*105*	*81-117*				
Surrogate: p-Bromofluorobenzene	*9.89*		*"*	*10.0*		*98.9*	*79-122*				

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 BF80677 - EPA 3015A											
Blank (BF80677-BLK1)								Prepared & Analyzed: 06/13/2018			
Iron - Dissolved	ND	0.0222	mg/L								
LCS (BF80677-BS1)								Prepared & Analyzed: 06/13/2018			
Iron - Dissolved	1.01		ug/mL	1.00		101	80-120				
Batch BF80679 - EPA 200.7											
Blank (BF80679-BLK1)								Prepared & Analyzed: 06/13/2018			
Iron	ND	0.0222	mg/L								
LCS (BF80679-BS1)								Prepared & Analyzed: 06/13/2018			
Iron	0.914		ug/mL	1.00		91.4	85-115				

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 BF80463 - % Solids Prep											
Blank (BF80463-BLK1)											Prepared: 06/08/2018 Analyzed: 06/11/2018
Total Dissolved Solids	ND	10.0	mg/L								

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
18F0246-01	WQ060518: NP2-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18F0246-02	WQ060518: NP2-10	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Sample and Data Qualifiers Relating to This Work Order

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. 18F0246

YOUR Information	Report to:	Invoice To:	Your Project ID	Turn-Around Time	Report/Deliverable Type
Company: WSP USA	SAME [X]	SAME [X]	Rowe Industries	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:	NABSAG	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	CTL5 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
WQ0605SP: MP2-6	6-5-18/1300	GW	VOCs 8260 full plus freon 113	3 voa's
WQ0605SP: MP2-10	6-5-18/1305	GW	Fe by EPA 200.7; Fe dissolved by EPA 6010; VOCs 8260 full plus freon 113; TDS	3 voa's 2 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	6-6-18 800	Samples Received By	WSP Fridge	6-6-18 800
Samples Relinquished By	6/7/18 12:?	Samples Received in LAB by	[illegible] 6/7/18 1239	

Temperature on Receipt: 1.6 °C

Rec'd by [illegible] 6/7/18 9:05

APPENDIX II

JUNE 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: 06/12/2018
Client Project ID: Rowe Industries
York Project (SDG) No.: 18F0244

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: 06/12/2018
Client Project ID: Rowe Industries
York Project (SDG) No.: 18F0244

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 June 07, 2018 and listed below. The project was identified as your project: **Rowe Industries**.

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
18F0244-01	WQ050518: NP1-1-2	Water	06/05/2018	06/07/2018

General Notes for York Project (SDG) No.: 18F0244

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: 06/12/2018

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: WQ050518: NP1-1-2 **York Sample ID:** 18F0244-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18F0244	Rowe Industries	Water	June 5, 2018 1:10 pm	06/07/2018

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	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 15:42	RDS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 15:42	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 15:42	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 15:42	RDS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 15:42	RDS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 15:42	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 15:42	RDS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP	06/11/2018 15:42	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 15:42	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 15:42	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 15:42	RDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 15:42	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 15:42	RDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 15:42	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 15:42	RDS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 15:42	RDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 15:42	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 15:42	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 15:42	RDS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 15:42	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 15:42	RDS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 15:42	RDS

Sample Information

Client Sample ID: WQ050518: NP1-1-2 **York Sample ID:** 18F0244-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18F0244	Rowe Industries	Water	June 5, 2018 1:10 pm	06/07/2018

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	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 15:42 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 15:42 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 15:42 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 15:42 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 15:42 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 15:42 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 15:42 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 15:42 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 15:42 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 15:42 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 15:42 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 15:42 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 15:42 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 15:42 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 15:42 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 15:42 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 15:42 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 15:42 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 15:42 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 15:42 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 15:42 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 15:42 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 15:42 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS

Sample Information

Client Sample ID: WQ050518: NP1-1-2 **York Sample ID:** 18F0244-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18F0244	Rowe Industries	Water	June 5, 2018 1:10 pm	06/07/2018

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	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 15:42 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 15:42 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 15:42 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 15:42 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 15:42 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 15:42 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	RDS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 15:42 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	RDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 15:42 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 15:42 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 15:42 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 15:42 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
127-18-4	**Tetrachloroethylene**	**0.21**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 15:42 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 15:42 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 15:42 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 15:42 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 15:42 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 15:42 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 15:42 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications:	06/11/2018 07:30	06/11/2018 15:42 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	RDS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*110 %*	*69-130*
2037-26-5	*Surrogate: Toluene-d8*	*105 %*	*81-117*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*101 %*	*79-122*

Analytical Batch Summary

Batch ID: BF80497 **Preparation Method:** EPA 5030B **Prepared By:** RDS

YORK Sample ID	Client Sample ID	Preparation Date
18F0244-01	WQ050518: NP1-1-2	06/11/18
BF80497-BLK1	Blank	06/11/18
BF80497-BS1	LCS	06/11/18
BF80497-BSD1	LCS Dup	06/11/18

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 BF80497 - EPA 5030B											
Blank (BF80497-BLK1)											
Prepared & Analyzed: 06/11/2018											
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,1-Dichloropropylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,3-Dichloropropane	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
2,2-Dichloropropane	ND	0.50	"								
2-Chlorotoluene	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Chlorotoluene	ND	0.50	"								
Acetone	ND	2.0	"								
Benzene	ND	0.50	"								
Bromobenzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	ND	2.0	"								
Naphthalene	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF80497 - EPA 5030B											
Blank (BF80497-BLK1)								Prepared & Analyzed: 06/11/2018			
o-Xylene	ND	0.50	ug/L								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: 1,2-Dichloroethane-d4	*10.7*		*"*	*10.0*		*107*	*69-130*				
Surrogate: Toluene-d8	*10.6*		*"*	*10.0*		*106*	*81-117*				
Surrogate: p-Bromofluorobenzene	*10.2*		*"*	*10.0*		*102*	*79-122*				
LCS (BF80497-BS1)								Prepared & Analyzed: 06/11/2018			
1,1,1,2-Tetrachloroethane	11.3		ug/L	10.0		113	82-126				
1,1,1-Trichloroethane	9.95		"	10.0		99.5	78-136				
1,1,2,2-Tetrachloroethane	11.0		"	10.0		110	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.0		"	10.0		110	54-165				
1,1,2-Trichloroethane	9.80		"	10.0		98.0	82-123				
1,1-Dichloroethane	9.86		"	10.0		98.6	82-129				
1,1-Dichloroethylene	9.88		"	10.0		98.8	68-138				
1,1-Dichloropropylene	10.1		"	10.0		101	83-133				
1,2,3-Trichlorobenzene	10.3		"	10.0		103	76-136				
1,2,3-Trichloropropane	10.4		"	10.0		104	77-128				
1,2,4-Trichlorobenzene	10.5		"	10.0		105	76-137				
1,2,4-Trimethylbenzene	11.3		"	10.0		113	82-132				
1,2-Dibromo-3-chloropropane	10.1		"	10.0		101	45-147				
1,2-Dibromoethane	9.93		"	10.0		99.3	83-124				
1,2-Dichlorobenzene	10.6		"	10.0		106	79-123				
1,2-Dichloroethane	9.42		"	10.0		94.2	73-132				
1,2-Dichloropropane	9.97		"	10.0		99.7	78-126				
1,3,5-Trimethylbenzene	11.3		"	10.0		113	80-131				
1,3-Dichlorobenzene	11.3		"	10.0		113	86-122				
1,3-Dichloropropane	9.89		"	10.0		98.9	81-125				
1,4-Dichlorobenzene	10.7		"	10.0		107	85-124				
2,2-Dichloropropane	11.8		"	10.0		118	56-150				
2-Chlorotoluene	11.4		"	10.0		114	79-130				
2-Hexanone	9.56		"	10.0		95.6	51-146				
4-Chlorotoluene	10.8		"	10.0		108	79-128				
Acetone	8.20		"	10.0		82.0	14-150				
Benzene	9.85		"	10.0		98.5	85-126				
Bromobenzene	10.5		"	10.0		105	78-129				
Bromochloromethane	9.49		"	10.0		94.9	77-128				
Bromodichloromethane	9.97		"	10.0		99.7	79-128				
Bromoform	10.4		"	10.0		104	78-133				
Bromomethane	5.66		"	10.0		56.6	43-168				

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 BF80497 - EPA 5030B											
LCS (BF80497-BS1)							Prepared & Analyzed: 06/11/2018				
Carbon tetrachloride	10.5		ug/L	10.0		105	77-141				
Chlorobenzene	10.6		"	10.0		106	88-120				
Chloroethane	10.2		"	10.0		102	65-136				
Chloroform	9.36		"	10.0		93.6	82-128				
Chloromethane	9.61		"	10.0		96.1	43-155				
cis-1,2-Dichloroethylene	9.85		"	10.0		98.5	83-129				
cis-1,3-Dichloropropylene	10.7		"	10.0		107	80-131				
Dibromochloromethane	10.7		"	10.0		107	80-130				
Dibromomethane	9.78		"	10.0		97.8	72-134				
Dichlorodifluoromethane	14.1		"	10.0		141	44-144				
Ethyl Benzene	11.2		"	10.0		112	80-131				
Hexachlorobutadiene	11.3		"	10.0		113	67-146				
Isopropylbenzene	11.4		"	10.0		114	76-140				
Methyl tert-butyl ether (MTBE)	9.47		"	10.0		94.7	76-135				
Methylene chloride	9.95		"	10.0		99.5	55-137				
Naphthalene	10.1		"	10.0		101	70-147				
n-Butylbenzene	11.8		"	10.0		118	79-132				
n-Propylbenzene	11.2		"	10.0		112	78-133				
o-Xylene	10.8		"	10.0		108	78-130				
p- & m- Xylenes	23.0		"	20.0		115	77-133				
p-Isopropyltoluene	11.7		"	10.0		117	81-136				
sec-Butylbenzene	12.1		"	10.0		121	79-137				
Styrene	10.5		"	10.0		105	67-132				
tert-Butylbenzene	11.3		"	10.0		113	77-138				
Tetrachloroethylene	8.88		"	10.0		88.8	82-131				
Toluene	10.9		"	10.0		109	80-127				
trans-1,2-Dichloroethylene	9.71		"	10.0		97.1	80-132				
trans-1,3-Dichloropropylene	10.5		"	10.0		105	78-131				
Trichloroethylene	10.3		"	10.0		103	82-128				
Trichlorofluoromethane	10.9		"	10.0		109	67-139				
Vinyl Chloride	10.6		"	10.0		106	58-145				
Surrogate: 1,2-Dichloroethane-d4	*10.6*		*"*	*10.0*		*106*	*69-130*				
Surrogate: Toluene-d8	*10.6*		*"*	*10.0*		*106*	*81-117*				
Surrogate: p-Bromofluorobenzene	*9.93*		*"*	*10.0*		*99.3*	*79-122*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF80497 - EPA 5030B											
LCS Dup (BF80497-BSD1)								Prepared & Analyzed: 06/11/2018			
1,1,1,2-Tetrachloroethane	11.6		ug/L	10.0		116	82-126		2.18	30	
1,1,1-Trichloroethane	10.0		"	10.0		100	78-136		0.701	30	
1,1,2,2-Tetrachloroethane	11.4		"	10.0		114	76-129		3.30	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.8		"	10.0		108	54-165		2.11	30	
1,1,2-Trichloroethane	10.2		"	10.0		102	82-123		4.39	30	
1,1-Dichloroethane	10.0		"	10.0		100	82-129		1.71	30	
1,1-Dichloroethylene	9.93		"	10.0		99.3	68-138		0.505	30	
1,1-Dichloropropylene	10.1		"	10.0		101	83-133		0.0989	30	
1,2,3-Trichlorobenzene	11.0		"	10.0		110	76-136		6.21	30	
1,2,3-Trichloropropane	10.6		"	10.0		106	77-128		1.62	30	
1,2,4-Trichlorobenzene	10.8		"	10.0		108	76-137		3.09	30	
1,2,4-Trimethylbenzene	11.5		"	10.0		115	82-132		1.75	30	
1,2-Dibromo-3-chloropropane	10.2		"	10.0		102	45-147		0.981	30	
1,2-Dibromoethane	10.3		"	10.0		103	83-124		3.37	30	
1,2-Dichlorobenzene	10.9		"	10.0		109	79-123		2.97	30	
1,2-Dichloroethane	9.71		"	10.0		97.1	73-132		3.03	30	
1,2-Dichloropropane	10.2		"	10.0		102	78-126		2.57	30	
1,3,5-Trimethylbenzene	11.4		"	10.0		114	80-131		1.05	30	
1,3-Dichlorobenzene	11.4		"	10.0		114	86-122		1.50	30	
1,3-Dichloropropane	10.3		"	10.0		103	81-125		3.67	30	
1,4-Dichlorobenzene	10.9		"	10.0		109	85-124		2.31	30	
2,2-Dichloropropane	11.7		"	10.0		117	56-150		0.853	30	
2-Chlorotoluene	11.5		"	10.0		115	79-130		1.31	30	
2-Hexanone	9.76		"	10.0		97.6	51-146		2.07	30	
4-Chlorotoluene	10.9		"	10.0		109	79-128		0.921	30	
Acetone	7.60		"	10.0		76.0	14-150		7.59	30	
Benzene	10.0		"	10.0		100	85-126		1.61	30	
Bromobenzene	10.7		"	10.0		107	78-129		1.79	30	
Bromochloromethane	9.82		"	10.0		98.2	77-128		3.42	30	
Bromodichloromethane	10.2		"	10.0		102	79-128		2.48	30	
Bromoform	10.8		"	10.0		108	78-133		3.30	30	
Bromomethane	6.29		"	10.0		62.9	43-168		10.5	30	
Carbon tetrachloride	10.6		"	10.0		106	77-141		0.949	30	
Chlorobenzene	10.8		"	10.0		108	88-120		1.96	30	
Chloroethane	10.4		"	10.0		104	65-136		1.95	30	
Chloroform	9.64		"	10.0		96.4	82-128		2.95	30	
Chloromethane	9.76		"	10.0		97.6	43-155		1.55	30	
cis-1,2-Dichloroethylene	10.0		"	10.0		100	83-129		1.71	30	
cis-1,3-Dichloropropylene	10.9		"	10.0		109	80-131		2.41	30	
Dibromochloromethane	11.1		"	10.0		111	80-130		3.76	30	
Dibromomethane	10.1		"	10.0		101	72-134		3.22	30	
Dichlorodifluoromethane	13.9		"	10.0		139	44-144		0.999	30	
Ethyl Benzene	11.3		"	10.0		113	80-131		0.887	30	
Hexachlorobutadiene	11.6		"	10.0		116	67-146		2.36	30	
Isopropylbenzene	11.4		"	10.0		114	76-140		0.614	30	
Methyl tert-butyl ether (MTBE)	9.99		"	10.0		99.9	76-135		5.34	30	
Methylene chloride	10.5		"	10.0		105	55-137		5.28	30	
Naphthalene	10.4		"	10.0		104	70-147		3.11	30	
n-Butylbenzene	10.8		"	10.0		108	79-132		8.79	30	
n-Propylbenzene	11.3		"	10.0		113	78-133		0.975	30	
o-Xylene	11.0		"	10.0		110	78-130		2.11	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF80497 - EPA 5030B											
LCS Dup (BF80497-BSD1)								Prepared & Analyzed: 06/11/2018			
p- & m- Xylenes	23.4		ug/L	20.0		117	77-133		1.60	30	
p-Isopropyltoluene	11.8		"	10.0		118	81-136		0.341	30	
sec-Butylbenzene	12.2		"	10.0		122	79-137		0.739	30	
Styrene	10.7		"	10.0		107	67-132		2.17	30	
tert-Butylbenzene	11.4		"	10.0		114	77-138		0.615	30	
Tetrachloroethylene	8.84		"	10.0		88.4	82-131		0.451	30	
Toluene	11.0		"	10.0		110	80-127		0.916	30	
trans-1,2-Dichloroethylene	9.83		"	10.0		98.3	80-132		1.23	30	
trans-1,3-Dichloropropylene	10.9		"	10.0		109	78-131		3.37	30	
Trichloroethylene	10.4		"	10.0		104	82-128		0.969	30	
Trichlorofluoromethane	10.8		"	10.0		108	67-139		0.553	30	
Vinyl Chloride	10.6		"	10.0		106	58-145		0.0939	30	
Surrogate: 1,2-Dichloroethane-d4	*10.5*		*"*	*10.0*		*105*	*69-130*				
Surrogate: Toluene-d8	*10.5*		*"*	*10.0*		*105*	*81-117*				
Surrogate: p-Bromofluorobenzene	*9.89*		*"*	*10.0*		*98.9*	*79-122*				

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
18F0244-01	WQ050518: NP1-1-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Sample and Data Qualifiers Relating to This Work Order

J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).

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. 18F0244

YOUR Information	Report to:	Invoice To:	Your Project ID	Turn-Around Time	Report/Deliverable Type
Company: WSP USA	SAME [X]	SAME [X]	Rowe Industries	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:	NABSAG	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
WQ060518: MP1-1-2	6-5-18/1310	GW	VOCs 8260 full plus freon 113	3 voa's

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 ☐

				Temperature on Receipt
Samples Relinquished By	6-6-18 800	Samples Received By: WSP Fridge	6-6-18 800	1.6 °C
Samples Relinquished By	6/7/18 12:39	Samples Received in LAB by	6/7/18 1239	

Rec'd 1/1 6/7/18 9:08

Technical Report

prepared for:

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

Report Date: 06/29/2018
Client Project ID: 31401451.000 task 01.00
York Project (SDG) No.: 18F1034

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: 06/29/2018
Client Project ID: 31401451.000 task 01.00
York Project (SDG) No.: 18F1034

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 June 22, 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
18F1034-01	WQ062018:1200 FRW-1	Water	06/20/2018	06/22/2018
18F1034-02	WQ062018:1205 FRW-2	Water	06/20/2018	06/22/2018
18F1034-03	WQ062018:1210 FRW-3	Water	06/20/2018	06/22/2018
18F1034-04	WQ062018:1215 FRW-4	Water	06/20/2018	06/22/2018

General Notes for York Project (SDG) No.: 18F1034

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: 06/29/2018

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: WQ062018:1200 FRW-1 **York Sample ID:** 18F1034-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18F1034	31401451.000 task 01.00	Water	June 20, 2018 12:00 pm	06/22/2018

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	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 20:48	RDS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 20:48	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 20:48	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 20:48	RDS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 20:48	RDS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 20:48	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 20:48	RDS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP	06/28/2018 20:48	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 20:48	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 20:48	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 20:48	RDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 20:48	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 20:48	RDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 20:48	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 20:48	RDS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 20:48	RDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 20:48	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 20:48	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 20:48	RDS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 20:48	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 20:48	RDS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 20:48	RDS

Sample Information

Client Sample ID: WQ062018:1200 FRW-1 **York Sample ID:** 18F1034-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18F1034	31401451.000 task 01.00	Water	June 20, 2018 12:00 pm	06/22/2018

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	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 20:48	RDS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 20:48	RDS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 20:48	RDS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	06/28/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 20:48	RDS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 20:48	RDS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 20:48	RDS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 20:48	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 20:48	RDS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 20:48	RDS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 20:48	RDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 20:48	RDS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 20:48	RDS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 20:48	RDS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 20:48	RDS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 20:48	RDS
156-59-2	**cis-1,2-Dichloroethylene**	**0.68**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 20:48	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 20:48	RDS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 20:48	RDS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 20:48	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 20:48	RDS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 20:48	RDS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 20:48	RDS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 20:48	RDS

Sample Information

Client Sample ID: WQ062018:1200 FRW-1 **York Sample ID:** 18F1034-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18F1034	31401451.000 task 01.00	Water	June 20, 2018 12:00 pm	06/22/2018

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	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 20:48 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 20:48 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 20:48 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 20:48 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 20:48 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 20:48 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	RDS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 20:48 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	RDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 20:48 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 20:48 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 20:48 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 20:48 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
127-18-4	**Tetrachloroethylene**	**25**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 20:48 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 20:48 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 20:48 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 20:48 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
79-01-6	**Trichloroethylene**	**0.76**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 20:48 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 20:48 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 20:48 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 20:48 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	RDS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*106 %*	*69-130*
2037-26-5	*Surrogate: Toluene-d8*	*102 %*	*81-117*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*99.2 %*	*79-122*

Sample Information

Client Sample ID: WQ062018:1205 FRW-2 **York Sample ID:** 18F1034-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18F1034	31401451.000 task 01.00	Water	June 20, 2018 12:05 pm	06/22/2018

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	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:17 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:17 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:17 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:17 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:17 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:17 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:17 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:17 NELAC-NY10854,NELAC-NY12058,NJDEP	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:17 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:17 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:17 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:17 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:17 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:17 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:17 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:17 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:17 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:17 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:17 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:17 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:17 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:17 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:17 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS

Sample Information

Client Sample ID: WQ062018:1205 FRW-2 **York Sample ID:** 18F1034-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18F1034	31401451.000 task 01.00	Water	June 20, 2018 12:05 pm	06/22/2018

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	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:17	RDS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:17	RDS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:17	RDS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:17	RDS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:17	RDS NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:17	RDS NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:17	RDS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:17	RDS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:17	RDS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:17	RDS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:17	RDS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:17	RDS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:17	RDS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:17	RDS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
156-59-2	**cis-1,2-Dichloroethylene**	**0.44**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:17	RDS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:17	RDS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:17	RDS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:17	RDS NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:17	RDS NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:17	RDS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:17	RDS NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:17	RDS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:17	RDS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP

Sample Information

Client Sample ID: WQ062018:1205 FRW-2 **York Sample ID:** 18F1034-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18F1034	31401451.000 task 01.00	Water	June 20, 2018 12:05 pm	06/22/2018

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	1.0	2.0	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:17 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:17 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:17 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:17 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:17 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	RDS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:17 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	RDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:17 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:17 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:17 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:17 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
127-18-4	**Tetrachloroethylene**	**3.8**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:17 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:17 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:17 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:17 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
79-01-6	**Trichloroethylene**	**1.4**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:17 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:17 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:17 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:17 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	RDS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*109 %*	*69-130*
2037-26-5	*Surrogate: Toluene-d8*	*103 %*	*81-117*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*99.4 %*	*79-122*

Sample Information

Client Sample ID: WQ062018:1210 FRW-3 **York Sample ID:** 18F1034-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18F1034	31401451.000 task 01.00	Water	June 20, 2018 12:10 pm	06/22/2018

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	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:45 NELAC-NY10854,NELAC-NY12058,NJDEP	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:45 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:45 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:45 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:45 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:45 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS

Sample Information

Client Sample ID: WQ062018:1210 FRW-3 **York Sample ID:** 18F1034-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18F1034	31401451.000 task 01.00	Water	June 20, 2018 12:10 pm	06/22/2018

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	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 21:45	RDS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 21:45	RDS
67-64-1	**Acetone**	**1.5**	J	ug/L	1.0	2.0	1	EPA 8260C Certifications:	06/28/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 21:45	RDS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 21:45	RDS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 21:45	RDS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 21:45	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 21:45	RDS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 21:45	RDS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 21:45	RDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 21:45	RDS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 21:45	RDS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 21:45	RDS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 21:45	RDS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 21:45	RDS
156-59-2	**cis-1,2-Dichloroethylene**	**4.3**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 21:45	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 21:45	RDS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 21:45	RDS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 21:45	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 21:45	RDS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 21:45	RDS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 21:45	RDS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 21:45	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 21:45	RDS

Sample Information

Client Sample ID: WQ062018:1210 FRW-3 **York Sample ID:** 18F1034-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18F1034	31401451.000 task 01.00	Water	June 20, 2018 12:10 pm	06/22/2018

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	1.0	2.0	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:45 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:45 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	RDS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:45 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	RDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
127-18-4	**Tetrachloroethylene**	**39**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
79-01-6	**Trichloroethylene**	**6.8**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 21:45 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	RDS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*111 %*	*69-130*
2037-26-5	*Surrogate: Toluene-d8*	*104 %*	*81-117*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*102 %*	*79-122*

Sample Information

Client Sample ID: WQ062018:1215 FRW-4 **York Sample ID:** 18F1034-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18F1034	31401451.000 task 01.00	Water	June 20, 2018 12:15 pm	06/22/2018

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	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 22:14 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 22:14 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 22:14 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 22:14 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 22:14 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 22:14 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 22:14 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 22:14 NELAC-NY10854,NELAC-NY12058,NJDEP	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 22:14 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 22:14 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 22:14 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 22:14 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 22:14 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 22:14 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 22:14 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 22:14 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 22:14 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 22:14 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 22:14 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 22:14 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 22:14 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 22:14 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 22:14 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS

Sample Information

Client Sample ID: WQ062018:1215 FRW-4 **York Sample ID:** 18F1034-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18F1034	31401451.000 task 01.00	Water	June 20, 2018 12:15 pm	06/22/2018

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	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 22:14	RDS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 22:14	RDS
67-64-1	**Acetone**	**1.5**	J	ug/L	1.0	2.0	1	EPA 8260C Certifications:	06/28/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 22:14	RDS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 22:14	RDS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 22:14	RDS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 22:14	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 22:14	RDS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 22:14	RDS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 22:14	RDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 22:14	RDS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 22:14	RDS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 22:14	RDS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 22:14	RDS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 22:14	RDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 22:14	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 22:14	RDS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 22:14	RDS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 22:14	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 22:14	RDS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 22:14	RDS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 22:14	RDS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 22:14	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 22:14	RDS

Sample Information

Client Sample ID: WQ062018:1215 FRW-4 **York Sample ID:** 18F1034-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18F1034	31401451.000 task 01.00	Water	June 20, 2018 12:15 pm	06/22/2018

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	1.0	2.0	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 22:14 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 22:14 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 22:14 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 22:14 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 22:14 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	RDS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 22:14 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	RDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 22:14 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 22:14 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 22:14 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 22:14 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
127-18-4	**Tetrachloroethylene**	**1.4**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 22:14 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 22:14 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 22:14 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 22:14 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
79-01-6	**Trichloroethylene**	**0.22**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 22:14 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 22:14 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 22:14 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	RDS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications:	06/28/2018 07:30	06/28/2018 22:14 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	RDS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*108 %*	*69-130*
2037-26-5	*Surrogate: Toluene-d8*	*104 %*	*81-117*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*100 %*	*79-122*

Analytical Batch Summary

Batch ID: BF81551 **Preparation Method:** EPA 5030B **Prepared By:** RDS

YORK Sample ID	Client Sample ID	Preparation Date
18F1034-01	WQ062018:1200 FRW-1	06/28/18
18F1034-02	WQ062018:1205 FRW-2	06/28/18
18F1034-03	WQ062018:1210 FRW-3	06/28/18
18F1034-04	WQ062018:1215 FRW-4	06/28/18
BF81551-BLK1	Blank	06/28/18
BF81551-BS1	LCS	06/28/18
BF81551-BSD1	LCS Dup	06/28/18

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 BF81551 - EPA 5030B											
Blank (BF81551-BLK1)											Prepared & Analyzed: 06/28/2018
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,1-Dichloropropylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,3-Dichloropropane	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
2,2-Dichloropropane	ND	0.50	"								
2-Chlorotoluene	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Chlorotoluene	ND	0.50	"								
Acetone	ND	2.0	"								
Benzene	ND	0.50	"								
Bromobenzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	ND	2.0	"								
Naphthalene	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF81551 - EPA 5030B											
Blank (BF81551-BLK1)								Prepared & Analyzed: 06/28/2018			
o-Xylene	ND	0.50	ug/L								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: 1,2-Dichloroethane-d4	*11.3*		*"*	*10.0*		*113*	*69-130*				
Surrogate: Toluene-d8	*9.99*		*"*	*10.0*		*99.9*	*81-117*				
Surrogate: p-Bromofluorobenzene	*9.77*		*"*	*10.0*		*97.7*	*79-122*				
LCS (BF81551-BS1)								Prepared & Analyzed: 06/28/2018			
1,1,1,2-Tetrachloroethane	11.4		ug/L	10.0		114	82-126				
1,1,1-Trichloroethane	10.5		"	10.0		105	78-136				
1,1,2,2-Tetrachloroethane	10.5		"	10.0		105	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.0		"	10.0		120	54-165				
1,1,2-Trichloroethane	9.58		"	10.0		95.8	82-123				
1,1-Dichloroethane	10.4		"	10.0		104	82-129				
1,1-Dichloroethylene	10.2		"	10.0		102	68-138				
1,1-Dichloropropylene	10.5		"	10.0		105	83-133				
1,2,3-Trichlorobenzene	9.50		"	10.0		95.0	76-136				
1,2,3-Trichloropropane	9.94		"	10.0		99.4	77-128				
1,2,4-Trichlorobenzene	9.78		"	10.0		97.8	76-137				
1,2,4-Trimethylbenzene	10.9		"	10.0		109	82-132				
1,2-Dibromo-3-chloropropane	8.49		"	10.0		84.9	45-147				
1,2-Dibromoethane	9.54		"	10.0		95.4	83-124				
1,2-Dichlorobenzene	10.5		"	10.0		105	79-123				
1,2-Dichloroethane	9.78		"	10.0		97.8	73-132				
1,2-Dichloropropane	9.67		"	10.0		96.7	78-126				
1,3,5-Trimethylbenzene	10.9		"	10.0		109	80-131				
1,3-Dichlorobenzene	11.2		"	10.0		112	86-122				
1,3-Dichloropropane	9.59		"	10.0		95.9	81-125				
1,4-Dichlorobenzene	10.6		"	10.0		106	85-124				
2,2-Dichloropropane	11.0		"	10.0		110	56-150				
2-Chlorotoluene	11.0		"	10.0		110	79-130				
2-Hexanone	7.70		"	10.0		77.0	51-146				
4-Chlorotoluene	10.4		"	10.0		104	79-128				
Acetone	8.45		"	10.0		84.5	14-150				
Benzene	10.4		"	10.0		104	85-126				
Bromobenzene	10.0		"	10.0		100	78-129				
Bromochloromethane	10.0		"	10.0		100	77-128				
Bromodichloromethane	9.69		"	10.0		96.9	79-128				
Bromoform	9.99		"	10.0		99.9	78-133				
Bromomethane	6.24		"	10.0		62.4	43-168				

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 BF81551 - EPA 5030B											
LCS (BF81551-BS1)							Prepared & Analyzed: 06/28/2018				
Carbon tetrachloride	11.3		ug/L	10.0		113	77-141				
Chlorobenzene	10.7		"	10.0		107	88-120				
Chloroethane	11.8		"	10.0		118	65-136				
Chloroform	10.0		"	10.0		100	82-128				
Chloromethane	9.55		"	10.0		95.5	43-155				
cis-1,2-Dichloroethylene	10.2		"	10.0		102	83-129				
cis-1,3-Dichloropropylene	10.1		"	10.0		101	80-131				
Dibromochloromethane	10.4		"	10.0		104	80-130				
Dibromomethane	9.69		"	10.0		96.9	72-134				
Dichlorodifluoromethane	12.7		"	10.0		127	44-144				
Ethyl Benzene	11.2		"	10.0		112	80-131				
Hexachlorobutadiene	10.1		"	10.0		101	67-146				
Isopropylbenzene	11.1		"	10.0		111	76-140				
Methyl tert-butyl ether (MTBE)	8.83		"	10.0		88.3	76-135				
Methylene chloride	10.1		"	10.0		101	55-137				
Naphthalene	9.01		"	10.0		90.1	70-147				
n-Butylbenzene	10.2		"	10.0		102	79-132				
n-Propylbenzene	10.9		"	10.0		109	78-133				
o-Xylene	10.6		"	10.0		106	78-130				
p- & m- Xylenes	23.0		"	20.0		115	77-133				
p-Isopropyltoluene	11.2		"	10.0		112	81-136				
sec-Butylbenzene	11.6		"	10.0		116	79-137				
Styrene	10.3		"	10.0		103	67-132				
tert-Butylbenzene	10.9		"	10.0		109	77-138				
Tetrachloroethylene	8.97		"	10.0		89.7	82-131				
Toluene	10.8		"	10.0		108	80-127				
trans-1,2-Dichloroethylene	10.1		"	10.0		101	80-132				
trans-1,3-Dichloropropylene	9.66		"	10.0		96.6	78-131				
Trichloroethylene	10.2		"	10.0		102	82-128				
Trichlorofluoromethane	11.7		"	10.0		117	67-139				
Vinyl Chloride	11.2		"	10.0		112	58-145				
Surrogate: 1,2-Dichloroethane-d4	*10.4*		*"*	*10.0*		*104*	*69-130*				
Surrogate: Toluene-d8	*10.3*		*"*	*10.0*		*103*	*81-117*				
Surrogate: p-Bromofluorobenzene	*9.62*		*"*	*10.0*		*96.2*	*79-122*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BF81551 - EPA 5030B

LCS Dup (BF81551-BSD1) Prepared & Analyzed: 06/28/2018

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1,1,2-Tetrachloroethane	11.1		ug/L	10.0		111	82-126		2.92	30	
1,1,1-Trichloroethane	10.2		"	10.0		102	78-136		2.90	30	
1,1,2,2-Tetrachloroethane	10.6		"	10.0		106	76-129		1.71	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.2		"	10.0		102	54-165		15.4	30	
1,1,2-Trichloroethane	9.71		"	10.0		97.1	82-123		1.35	30	
1,1-Dichloroethane	10.2		"	10.0		102	82-129		1.93	30	
1,1-Dichloroethylene	8.31		"	10.0		83.1	68-138		19.9	30	
1,1-Dichloropropylene	10.2		"	10.0		102	83-133		2.90	30	
1,2,3-Trichlorobenzene	9.70		"	10.0		97.0	76-136		2.08	30	
1,2,3-Trichloropropane	10.0		"	10.0		100	77-128		1.00	30	
1,2,4-Trichlorobenzene	9.74		"	10.0		97.4	76-137		0.410	30	
1,2,4-Trimethylbenzene	10.2		"	10.0		102	82-132		6.62	30	
1,2-Dibromo-3-chloropropane	9.06		"	10.0		90.6	45-147		6.50	30	
1,2-Dibromoethane	9.68		"	10.0		96.8	83-124		1.46	30	
1,2-Dichlorobenzene	10.0		"	10.0		100	79-123		4.76	30	
1,2-Dichloroethane	10.1		"	10.0		101	73-132		2.82	30	
1,2-Dichloropropane	9.35		"	10.0		93.5	78-126		3.36	30	
1,3,5-Trimethylbenzene	10.2		"	10.0		102	80-131		7.11	30	
1,3-Dichlorobenzene	10.5		"	10.0		105	86-122		6.55	30	
1,3-Dichloropropane	9.67		"	10.0		96.7	81-125		0.831	30	
1,4-Dichlorobenzene	10.0		"	10.0		100	85-124		5.71	30	
2,2-Dichloropropane	10.5		"	10.0		105	56-150		4.74	30	
2-Chlorotoluene	10.3		"	10.0		103	79-130		7.32	30	
2-Hexanone	8.95		"	10.0		89.5	51-146		15.0	30	
4-Chlorotoluene	9.73		"	10.0		97.3	79-128		6.18	30	
Acetone	9.46		"	10.0		94.6	14-150		11.3	30	
Benzene	10.2		"	10.0		102	85-126		1.95	30	
Bromobenzene	9.48		"	10.0		94.8	78-129		5.54	30	
Bromochloromethane	10.1		"	10.0		101	77-128		0.498	30	
Bromodichloromethane	9.50		"	10.0		95.0	79-128		1.98	30	
Bromoform	10.4		"	10.0		104	78-133		4.02	30	
Bromomethane	5.86		"	10.0		58.6	43-168		6.28	30	
Carbon tetrachloride	11.0		"	10.0		110	77-141		2.78	30	
Chlorobenzene	10.3		"	10.0		103	88-120		3.89	30	
Chloroethane	11.0		"	10.0		110	65-136		7.01	30	
Chloroform	9.93		"	10.0		99.3	82-128		1.20	30	
Chloromethane	8.97		"	10.0		89.7	43-155		6.26	30	
cis-1,2-Dichloroethylene	10.0		"	10.0		100	83-129		2.17	30	
cis-1,3-Dichloropropylene	10.0		"	10.0		100	80-131		0.993	30	
Dibromochloromethane	10.6		"	10.0		106	80-130		1.33	30	
Dibromomethane	9.63		"	10.0		96.3	72-134		0.621	30	
Dichlorodifluoromethane	12.0		"	10.0		120	44-144		5.68	30	
Ethyl Benzene	10.5		"	10.0		105	80-131		6.28	30	
Hexachlorobutadiene	9.45		"	10.0		94.5	67-146		6.25	30	
Isopropylbenzene	10.2		"	10.0		102	76-140		7.98	30	
Methyl tert-butyl ether (MTBE)	9.81		"	10.0		98.1	76-135		10.5	30	
Methylene chloride	10.1		"	10.0		101	55-137		0.397	30	
Naphthalene	9.41		"	10.0		94.1	70-147		4.34	30	
n-Butylbenzene	10.3		"	10.0		103	79-132		1.08	30	
n-Propylbenzene	10.1		"	10.0		101	78-133		7.63	30	
o-Xylene	10.1		"	10.0		101	78-130		5.12	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 BF81551 - EPA 5030B											
LCS Dup (BF81551-BSD1)								Prepared & Analyzed: 06/28/2018			
p- & m- Xylenes	21.6		ug/L	20.0		108	77-133		6.33	30	
p-Isopropyltoluene	10.4		"	10.0		104	81-136		7.04	30	
sec-Butylbenzene	10.8		"	10.0		108	79-137		7.33	30	
Styrene	9.93		"	10.0		99.3	67-132		3.95	30	
tert-Butylbenzene	10.1		"	10.0		101	77-138		8.08	30	
Tetrachloroethylene	8.36		"	10.0		83.6	82-131		7.04	30	
Toluene	10.1		"	10.0		101	80-127		6.61	30	
trans-1,2-Dichloroethylene	9.80		"	10.0		98.0	80-132		3.41	30	
trans-1,3-Dichloropropylene	9.78		"	10.0		97.8	78-131		1.23	30	
Trichloroethylene	9.50		"	10.0		95.0	82-128		6.91	30	
Trichlorofluoromethane	11.0		"	10.0		110	67-139		5.80	30	
Vinyl Chloride	10.4		"	10.0		104	58-145		6.76	30	
Surrogate: 1,2-Dichloroethane-d4	*11.4*		*"*	*10.0*		*114*	*69-130*				
Surrogate: Toluene-d8	*9.87*		*"*	*10.0*		*98.7*	*81-117*				
Surrogate: p-Bromofluorobenzene	*9.60*		*"*	*10.0*		*96.0*	*79-122*				

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
18F1034-01	WQ062018:1200 FRW-1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18F1034-02	WQ062018:1205 FRW-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18F1034-03	WQ062018:1210 FRW-3	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18F1034-04	WQ062018:1215 FRW-4	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Sample and Data Qualifiers Relating to This Work Order

J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).

Definitions and Other Explanations

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

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Field Chain-of-Custody Record

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. 18F1034

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
WQ062018:1200 FRW-1	6-20-18 1200	GW	VOCs 8260 full plus freon 113	3 voa
WQ062018:1205 FRW-2	1205			
WQ062018:1210 FRW-3	1210			
WQ062018:1215 FRW-4	1215			

Comments:

Preservation (check all applicable): A°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	Temperature on Receipt
	6-20-18 800	WSP Fridge	6-21-18 800	3.2 °C
Samples Relinquished By	Date/Time	Samples Received in LAB by	Date/Time	
		T Mahla	6/22/18 1635	

Rec'd 6/22/18 15:17