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
March 2018 Status Report

DATE: April 27, 2018

WSP USA Inc. (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 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 March 1, 2018 through March 31, 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

(March 1, 2018 through March 31, 2018)

1. Hours of operation during the reporting period:	382 hours (51.4%)
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:	756,626 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:	0.04 pound (see Graph 2)
7. Cumulative mass of VOCs recovered since startup on 12/17/02: (calculations can be provided upon request)	229.2 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 between March 15 and 26 because of problems with the FSP&T system air stripper blower, which are discussed in more detail below and in Table 1. Additional downtime associated with power failure alarms is discussed in Table 1.

Well	Volume pumped (gal)	Total VOC Concentration (ug/L)	VOC Recovery (lbs.)
RW-2 [1/]	614,976	1.1	0.01
FRW-1 [2/]	17,380	115.5	0.02
FRW-2 [2]	3,078	48.7	<0.01
FRW-3 [2/]	25,515	147.6	0.03
FRW-4 [2/]	102,292	3.5	<0.01

[1/] The above table summarizes the parameters for RW-2 from March 1 to March 31, 2018. The RW-2 totalizer was not functioning from February 13 to March 15, 2018. Therefore, the volume pumped was calculated by taking the sum of the average flow rate and the operating hours from March 1 to March 15 plus the totalizer reading from March 15 to March 31.

[2/] The above table summarizes the parameters for the FRWs from March 1, 2018 to April 2, 2018.

On February 28, 2018, a leak was noticed from the potable water pipe enclosure and the potable water was turned off. On March 6, 2018, the RPZ valve in the potable water pipe enclosure was replaced and the potable water was turned back on.

The system downtime between March 15 and 26 was caused by a malfunctioning phase monitoring relay used to control incoming voltage to the air stripper blower motor. The relay was repaired and tested. Following the testing, both the FSP&T and the FP&T system were restarted with RW-2, FRW-1, 2, 3 and 4 operating normally.

Additional details about the maintenance activities are provided in Table 1.

SUMMARY OF SAMPLING ACTIVITIES

During March 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; and
- semi-annual groundwater quality samples were collected from MW-98-01A, MW-98-04, MW-98-04B, MW-98-05AR, MW-98-05BR, MW-45A and MW-45B.

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 RW-2 and FRW-1, 2, 3, and 4 for the last 24 months. The laboratory analytical report for the water samples collected from RW-2 and the FRWs is included as Appendix II.

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

The PCE concentration from the groundwater samples collected at FRW-1, 2 and 3 were above the ARAR. The PCE concentration in FRW-4 was below ARARs. The TCE and cis-DCE concentrations in FRW-3 were above the respective ARARs. The TCE and cis-DCE concentrations in FRW-1, 2 and 4 were below the respective ARARs, in some cases the concentrations were below laboratory reporting limits. VC and TCA concentrations from the groundwater samples collected at FRW-1, 2, 3 and 4 were below the respective ARARs; in most cases, the concentrations were below laboratory reporting limits.

The monthly sample results are similar to historic observations during the month of March. Groundwater samples from RW-2 and the FRWs will continue to be collected and analyzed monthly.

Semi-annual groundwater quality sampling was completed on March 29, 2018. The semi-annual groundwater quality sampling results will be summarized and reported under a separate cover. The next semi-annual/annual groundwater quality sampling event is scheduled for September 2018.

FUTURE O&M ACTIVITIES

O&M activities scheduled for April 2018 include:

- groundwater elevation measurements in select monitor and recovery wells under static and pumping conditions (this was originally scheduled for March but could not be completed due to weather conditions);
- complete RW-2 well rehabilitation and FRW-1, 2, 3 and 4 redevelopment;
- complete annual FSP&T system maintenance and cleaning; and
- normal bi-weekly/monthly O&M activities.

MMG:cmm
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\March\Draft Status_March 2018.docx

TABLES

TABLE 1

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

MAINTENANCE LOG
(March 1, 2018 through March 31, 2018)

Date	Time	System Changes/Modifications	Personnel
3/1/2018		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.	EF
		Cleaned iron fouling from the FRW-1, 2, 3, 4 and FP&T system effluent flow meter paddle wheels.	EF
		Technicians from ADT were onsite to troubleshoot the FSP&T system building fire and security system because the security company was not receiving the fire and security signal from the system remotely. The security system was tested, the alarm was reset; no problems were found onsite and the problem was suspected to originate from a temporary issue associated with a faulty phone signal. Since this time, the security system has been remotely checking the fire and security monitoring signal weekly without issue.	EF
3/4/2018	10:00 PM	The FSP&T system shut down due to a power failure and system leak alarms.	
3/5/2018	2:02 PM	Reset the alarms and restarted the FSP&T and FP&T systems with all recovery wells operating. Checked the FSP&T and FP&T systems for leaks and none were found.	JF
3/6/18		On February 28, 2018, a leak was detected in the potable water enclosure and the potable water was shut off at that time. A GF Schiavoni repair person replaced the leaking RPZ valve on the potable water pipe, tested the valve for leaks and turned the potable water back on following a successful test. The potable water pipe and valve currently have heat tape to protect from cold weather; however, GF Schiavoni recommended an alternate form of heating the potable water pipe and valve that involves an electric heater heating the enclosure for the water pipes. This concept will be considered in the event a leaking valve/pipe is caused by cold weather in the future.	GF Schiavoni
3/7/2018	7:47 PM	A power failure alarm occurred but the treatment systems did not shut down; historically this has occurred during power surges.	
3/13/2018	7:59 AM	The FSP&T system shut down due to a power failure and system leak alarms.	
3/14/2018	2:04 PM	Checked the FSP&T and FP&T system, reset alarms and restarted the system.	JF
3/15/2018	5:17 AM	FSP&T and FP&T systems shut down due to an air stripper blower low-pressure alarm.	
	11:27 AM	Initial troubleshooting of the air stripper blower revealed that the V-belts were in good condition and the motor starter had not tripped for this motor. Further troubleshooting of the FSP&T system air stripper blower will focus on motor issues and then electrical control issues. The treatment system remains off until the blower repair contractor, ACFM Dynamics (ACFM), can be scheduled to troubleshoot the issue.	EF

TABLE 1

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

MAINTENANCE LOG
(March 1, 2018 through March 31, 2018)

Date	Time	System Changes/Modifications	Personnel
3/20/2018		ACFM inspected the air stripper blower motor and did not detect any issues with the condition of the motor or the motor disconnect switch. ACFM also inspected the booster blower and found no issues with that unit. Continued troubleshooting will focus on the controls sending the signal to the air stripper blower motor. The system remains off.	EF/ACFM
3/26/2018	11:58 AM	D&D electric is on site to troubleshoot the air stripper blower motor operation. D&D identified a faulty phase monitoring relay, which was the root cause of the malfunctioning air stripper blower motor. The relay settings were readjusted and were tested successfully. However, a new phase monitoring relay should be ordered in the near future because it was determined that this particular relay is sensing incoming voltage readings that are higher than what is actually being input to the motor (i.e. signal drift). Temporary repairs to the relay were completed and the FSP&T and FP&T systems were restarted. If the system continues to operate this year, then a new phase monitoring relay should be ordered and installed.	EF/D&D
3/27/2018	1:01 PM	The FSP&T and FP&T systems shut down due to a power failure alarm.	
3/29/2018	9:43 AM	Checked the FSP&T and FP&T systems, reset alarm and restarted the FSP&T and FP&T systems with FRW-1, 2, 3, 4 and RW-2 operating.	JF
		Completed semi-annual groundwater quality sampling of 7 monitor wells.	PS

Notes:

EF	Evan Foster, WSP USA
JF	Jamie Forrester, WSP USA
PS	Patrick Staub, WSP USA
ACFM	ACFM Dynamics
D&D	D&D Electric

H:\NABIS\2018\Monthly Reports\March\Table 1 Maintenance Record.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-Mar-17	6.5	149	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	0.69	0.063
7-Apr-17	6.5	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	3.62	0.060
3-May-17	6.5	121	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	0.90	0.079
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

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 March 26, 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	1-Mar-16	0.38 J	0.67	0.32 J	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-Apr-16	0.37 J	0.55	0.31 J	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-16	0.27 J	0.37 J	0.24 J	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
	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

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**
1-Feb-16	**67**	**5.3**	**5.9**	0.30 J	0.28 J	ND<0.5	ND<2	ND<0.5	ND<0.5	1.2 J
The FRWs were shut down between February 25, 2016 and February 27, 2016										
1-Mar-16	**290**	3.8	**7.9**	ND<0.5	2.6	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<2
The FRWs were shut down between March 10 and March 16, 2016 and again between March 18 and March 22, 2016										
5-Apr-16	**140**	4.0	**7.9**	ND<0.5	1.1	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<2
The FRWs were shut down between April 8 and April 12, 2016 and again between April 19 and 25, 2016										
2-May-16	**78**	2.8	**5.7**	ND<0.5	0.74	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<2
The FRWs were shut down between May 5 and May 17, 2016 and again between May 19 and 23, 2016										
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**	**2**	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										

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**
1-Feb-16	**280**	3.3	**5.2**	ND<0.5	3.3	ND<0.5	ND<0.5	2.5
The FRWs were shut down between February 25, 2016 and February 27, 2016								
1-Mar-16	**55**	1.8	1.2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRWs were shut down between March 10 and March 16, 2016 and again between March 18 and March 22, 2016								
5-Apr-16	**32**	0.72	0.31 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRWs were shut down between April 8 and April 12, 2016 and again between April 19 and 25, 2016								
2-May-16	**16**	0.39 J	ND<0.5	ND<0.5	0.52	ND<0.5	ND<0.5	1.1 J
The FRWs were shut down between May 5 and May 17, 2016 and again between May 19 and 23, 2016								
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**	0.8	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								

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**
1-Feb-16	**50**	4.1	**23**	1.40	ND<0.5	0.23 J	ND<0.5	1.2	0.52	1.4	ND<0.5	1.2 J
The FRWs were shut down between February 25, 2016 and February 27, 2016												
1-Mar-16	**62**	**7.1**	**29**	0.62	0.30 J	ND<0.5	ND<0.5	0.93	ND<0.5	ND<0.5	ND<0.5	1.4 J, B
The FRWs were shut down between March 10 and March 16, 2016 and again between March 18 and March 22, 2016												
5-Apr-16	**43**	2.5	**24**	0.27 J	ND<0.5	ND<0.5	ND<0.5	1.2	0.44 J	1.2	ND<0.5	ND<2
The FRWs were shut down between April 8 and April 12, 2016 and again between April 19 and 25, 2016												
2-May-16	**150**	**7.3**	**17**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.85	0.37 J	0.29 J	ND<0.5	ND<2
The FRWs were shut down between May 5 and May 17, 2016 and again between May 19 and 23, 2016												
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												

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**
1-Feb-16	5.0	0.68	4.4	ND<0.5	ND<0.5	ND<2
The FRWs were shut down between February 25, 2016 and February 27, 2016						
1-Mar-16	**15**	1.1	**5.4**	ND<0.5	ND<0.5	ND<2
The FRWs were shut down between March 10 and March 16, 2016 and again between March 18 and March 22, 2016						
5-Apr-16	**11**	0.70	3.5	ND<0.5	ND<0.5	ND<2
The FRWs were shut down between April 8 and April 12, 2016 and again between April 19 and 25, 2016						
2-May-16	**6.7**	0.82	1.2	ND<0.5	ND<0.5	ND<2
The FRWs were shut down between May 5 and May 17, 2016 and again between May 19 and 23, 2016						
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						

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

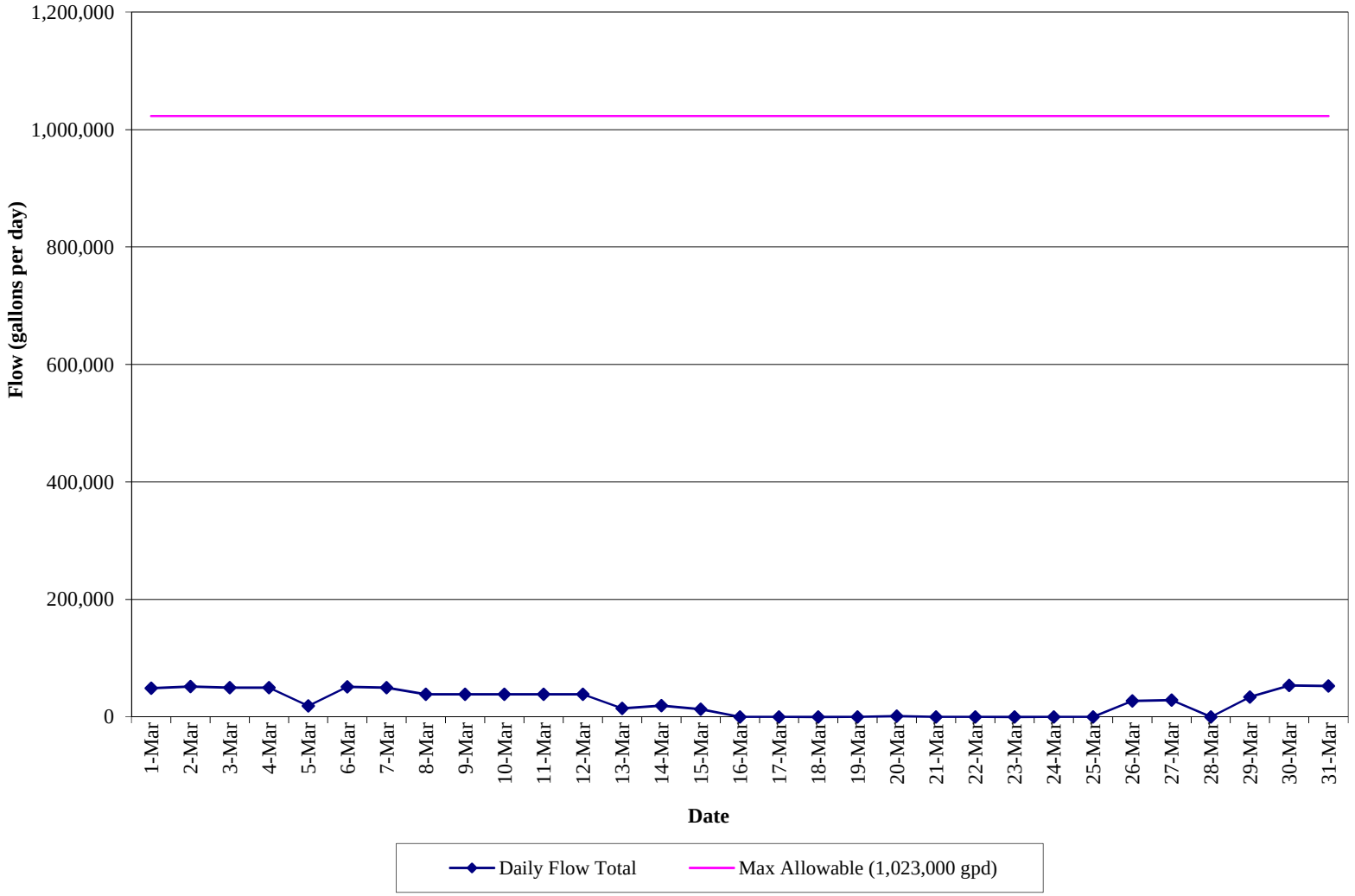
Comments:
As of September 1, 2011 the water samples are analyzed by York Analytical Laboratories, Inc. The laboratory typically uses a reporting limit (RL) for water of 5 ug/l for VOC. York reports detections below 0.5 ug/l as an estimated value; these values are below the RL but greater than or equal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

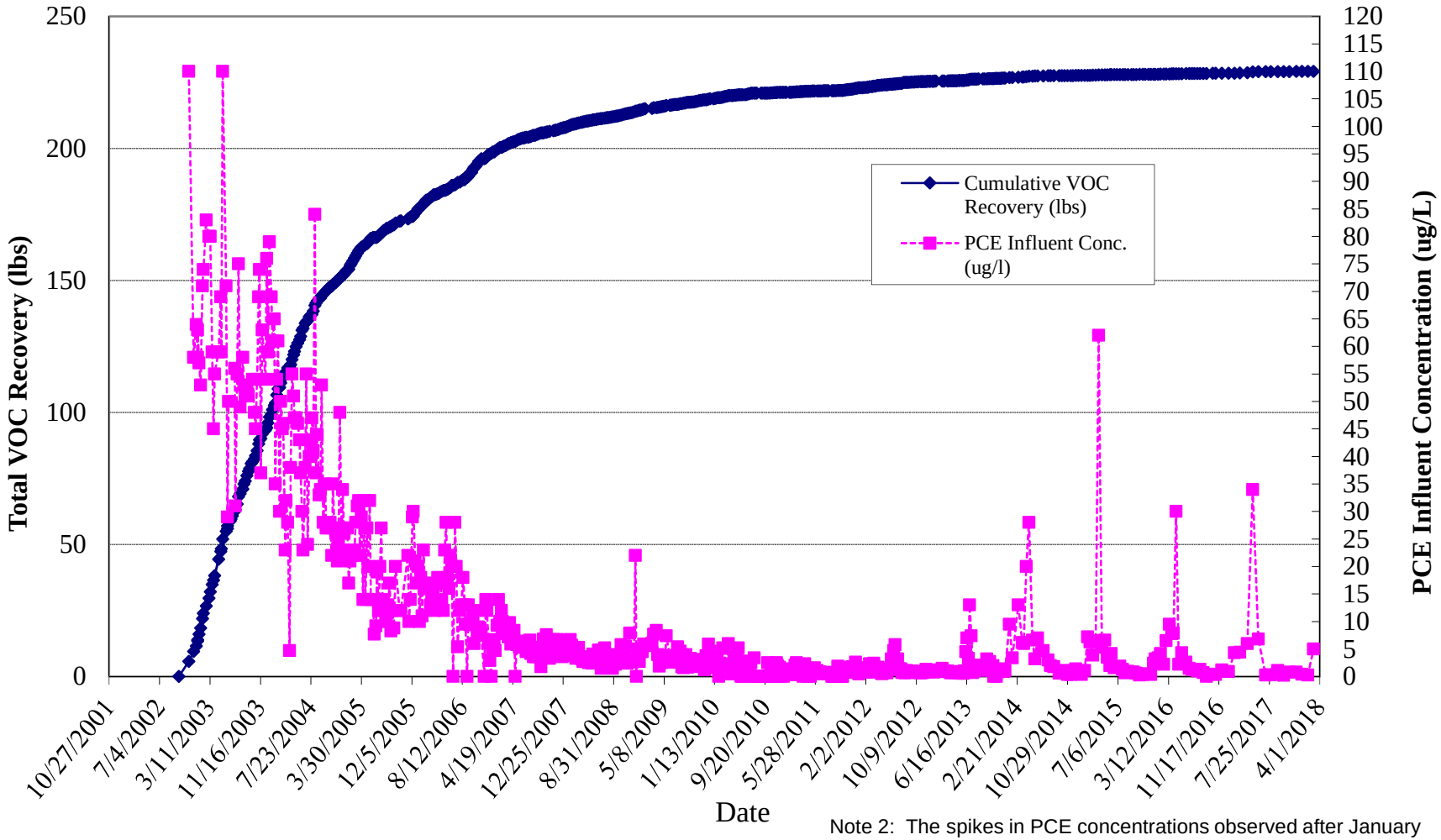
GRAPH 1
GROUNDWATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

Effluent Flow Data
(March 1, 2018 to March 31, 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



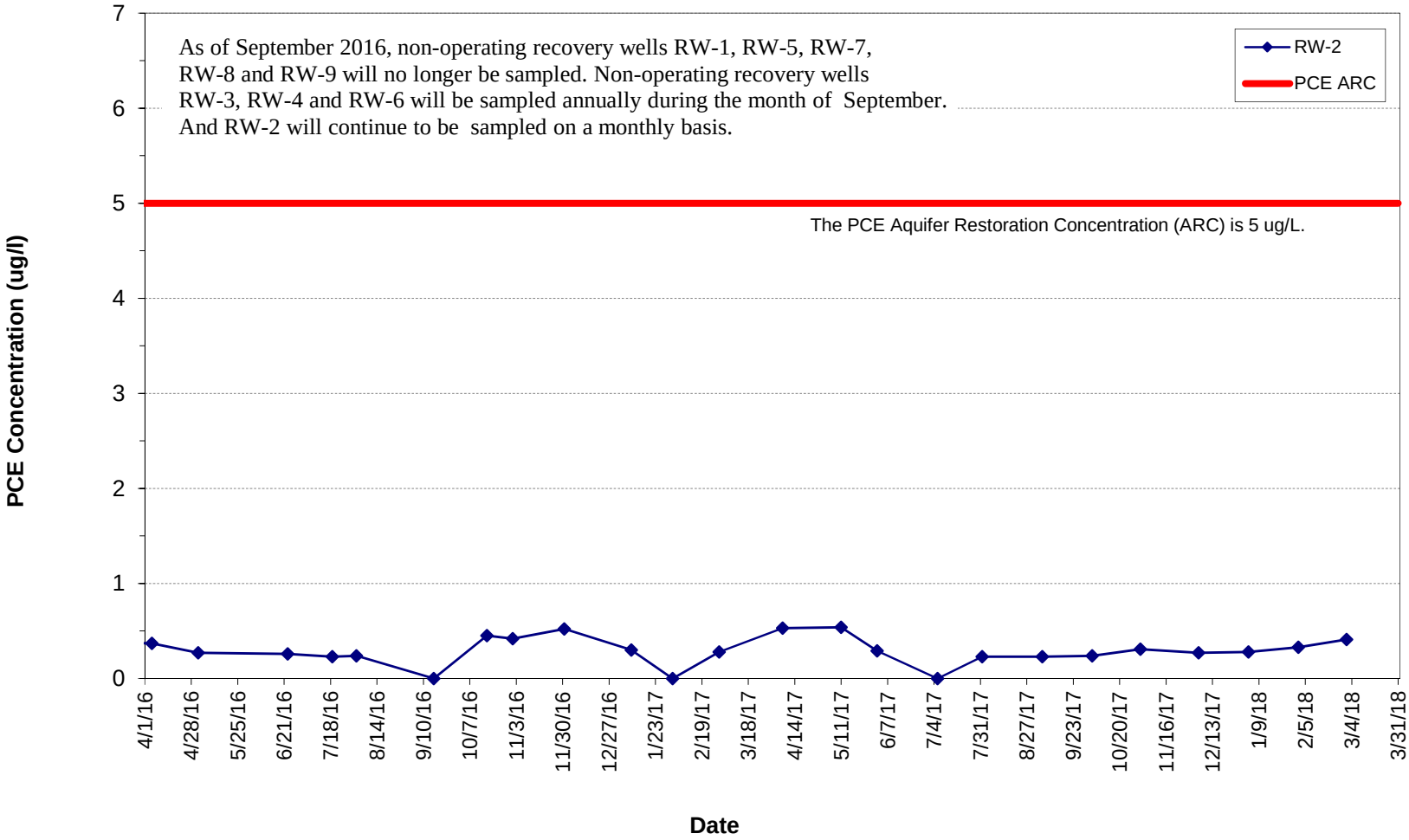
Note 1 : After September 22, 2008, the water recovered from the FP&T System is included in the results shown in this graph.

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

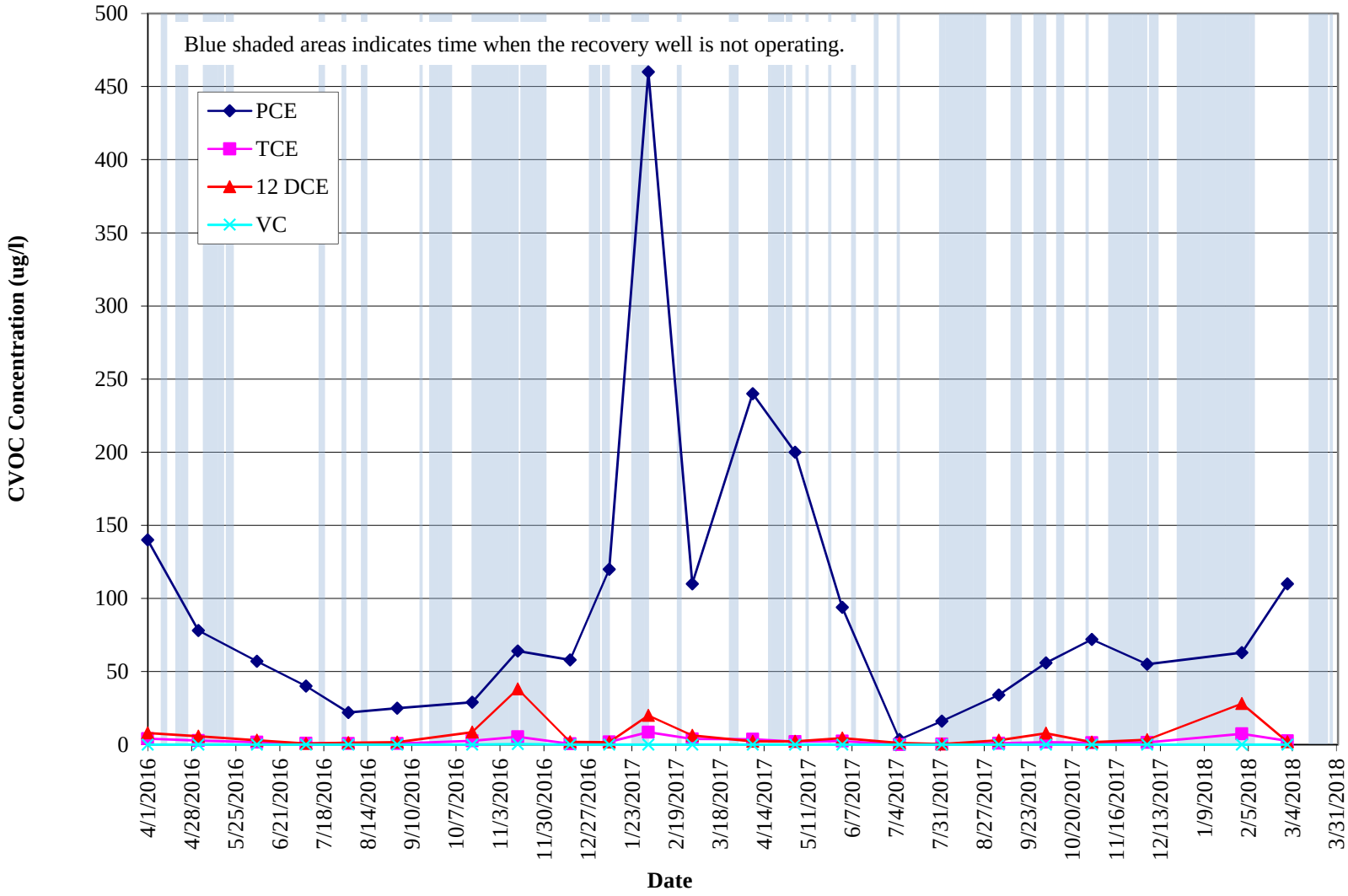
GROUNDWATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

FSP&T Recovery Well PCE Concentration

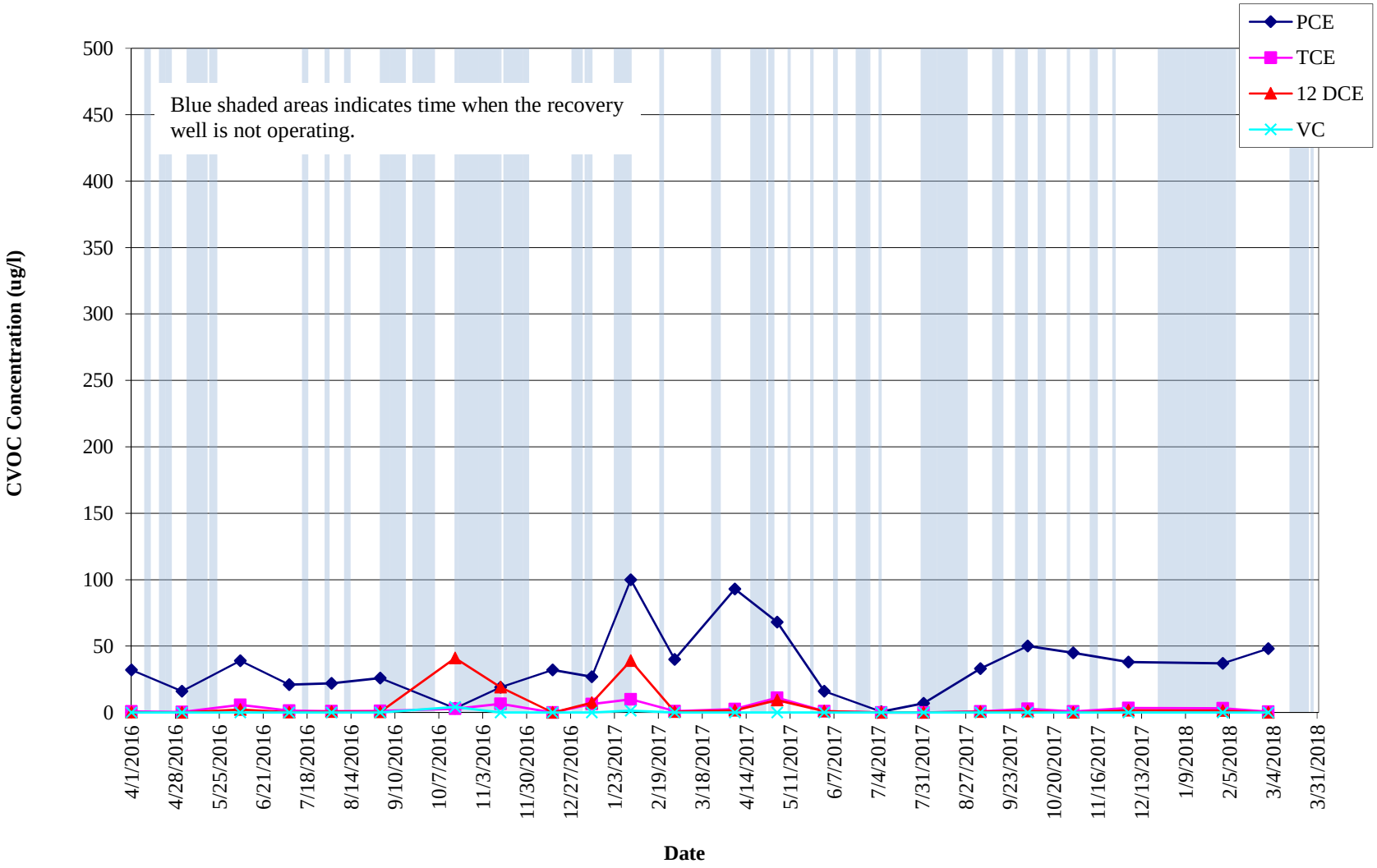


GRAPH 4
GROUNDWATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

FP&T Recovery Well VOC Concentrations for FRW-1

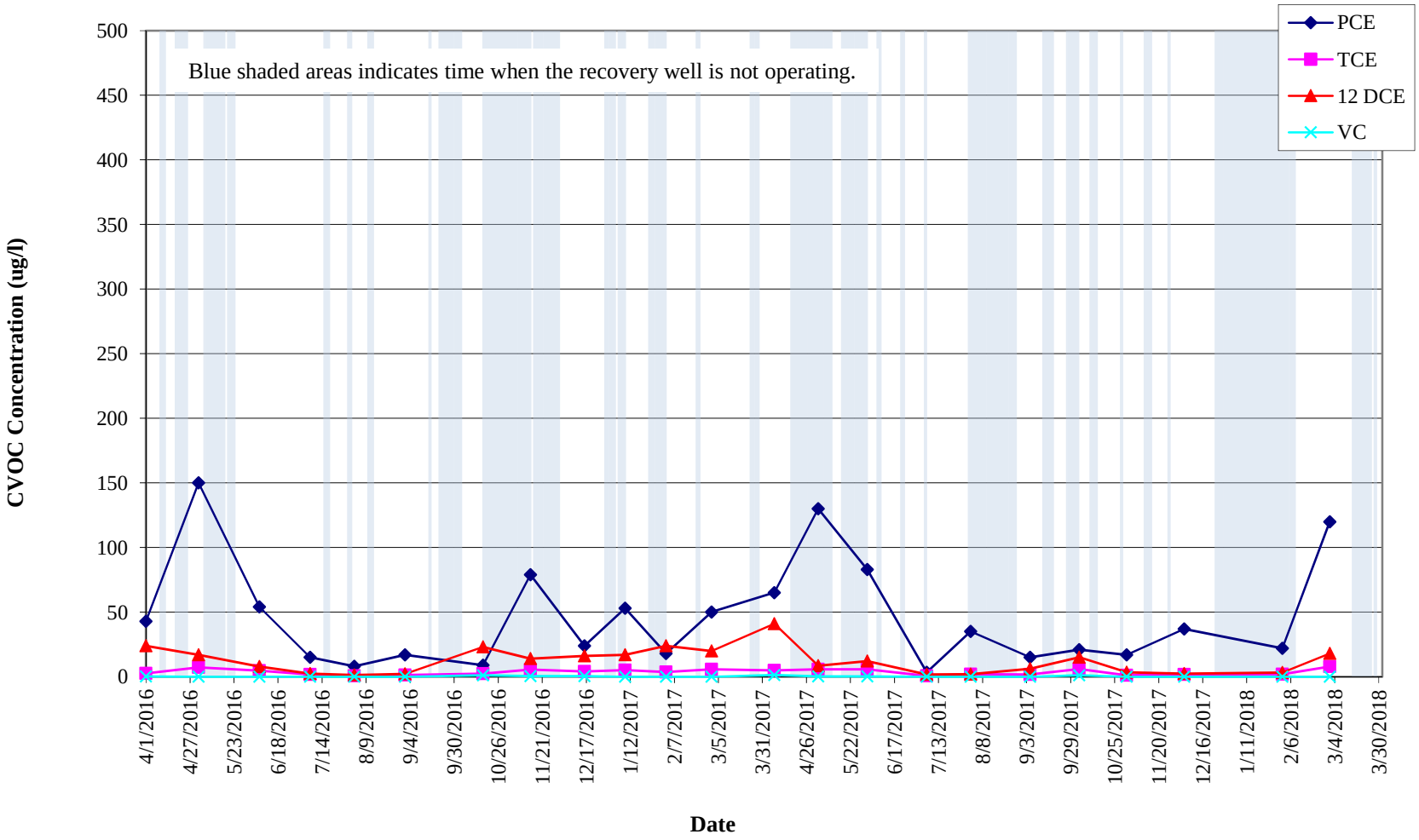


GRAPH 5
GROUNDWATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

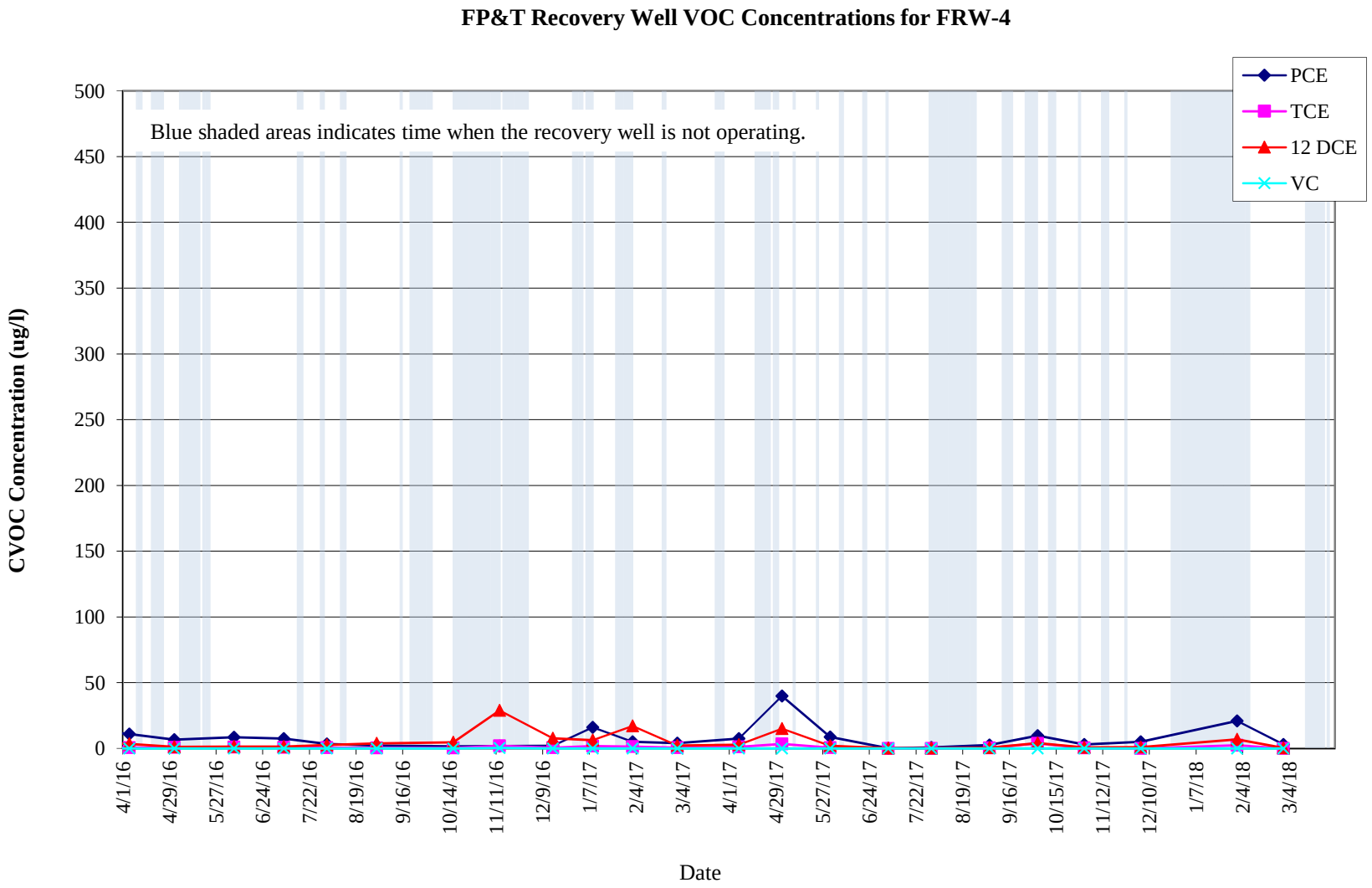


GRAPH 6
GROUNDWATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

FP&T Recovery Well VOC Concentrations for FRW-3



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



APPENDIX I

MARCH 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: 03/14/2018
Client Project ID: Rowe Industries
York Project (SDG) No.: 18C0137

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: 03/14/2018
Client Project ID: Rowe Industries
York Project (SDG) No.: 18C0137

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 March 05, 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
18C0137-01	WQ030118:1200 NP2-6	Water	03/01/2018	03/05/2018
18C0138-01	WQ030118: 1205 NP2-10	Water	03/01/2018	03/05/2018

General Notes for York Project (SDG) No.: 18C0137

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: 03/14/2018

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: WQ030118:1200 NP2-6 **York Sample ID:** 18C0137-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18C0137	Rowe Industries	Water	March 1, 2018 12:00 pm	03/05/2018

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:	03/08/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 23:38	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 23:38	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 23:38	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 23:38	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 23:38	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 23:38	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 23:38	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP	03/08/2018 23:38	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 23:38	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 23:38	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 23:38	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 23:38	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 23:38	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 23:38	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 23:38	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 23:38	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 23:38	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 23:38	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 23:38	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 23:38	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 23:38	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 23:38	SS

Sample Information

Client Sample ID: WQ030118:1200 NP2-6 **York Sample ID:** 18C0137-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18C0137	Rowe Industries	Water	March 1, 2018 12:00 pm	03/05/2018

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:	03/08/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 23:38	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 23:38	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 23:38	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	03/08/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 23:38	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 23:38	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 23:38	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 23:38	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 23:38	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 23:38	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 23:38	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 23:38	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 23:38	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 23:38	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 23:38	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 23:38	SS
156-59-2	**cis-1,2-Dichloroethylene**	**0.56**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 23:38	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 23:38	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 23:38	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 23:38	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 23:38	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 23:38	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 23:38	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2018 23:38	SS

Sample Information

Client Sample ID: WQ030118:1200 NP2-6 **York Sample ID:** 18C0137-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18C0137	Rowe Industries	Water	March 1, 2018 12:00 pm	03/05/2018

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:	03/08/2018 07:30	03/08/2018 23:38 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	03/08/2018 07:30	03/08/2018 23:38 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	03/08/2018 07:30	03/08/2018 23:38 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30	03/08/2018 23:38 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30	03/08/2018 23:38 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30	03/08/2018 23:38 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	03/08/2018 07:30	03/08/2018 23:38 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30	03/08/2018 23:38 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30	03/08/2018 23:38 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30	03/08/2018 23:38 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30	03/08/2018 23:38 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
127-18-4	**Tetrachloroethylene**	**5.0**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30	03/08/2018 23:38 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30	03/08/2018 23:38 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30	03/08/2018 23:38 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30	03/08/2018 23:38 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
79-01-6	**Trichloroethylene**	**0.61**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30	03/08/2018 23:38 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30	03/08/2018 23:38 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30	03/08/2018 23:38 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications:	03/08/2018 07:30	03/08/2018 23:38 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*97.2 %*	*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: WQ030118: 1205 NP2-10 **York Sample ID:** 18C0138-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18C0138	Rowe Industries	Water	March 1, 2018 12:05 pm	03/05/2018

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:	03/08/2018 07:30	03/09/2018 00:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30	03/09/2018 00:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30	03/09/2018 00:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30	03/09/2018 00:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30	03/09/2018 00:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30	03/09/2018 00:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30	03/09/2018 00:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30	03/09/2018 00:10 NELAC-NY10854,NELAC-NY12058,NJDEP	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30	03/09/2018 00:10 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30	03/09/2018 00:10 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30	03/09/2018 00:10 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30	03/09/2018 00:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30	03/09/2018 00:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30	03/09/2018 00:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30	03/09/2018 00:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30	03/09/2018 00:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30	03/09/2018 00:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30	03/09/2018 00:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30	03/09/2018 00:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30	03/09/2018 00:10 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30	03/09/2018 00:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30	03/09/2018 00:10 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30	03/09/2018 00:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS

Sample Information

Client Sample ID: WQ030118: 1205 NP2-10 **York Sample ID:** 18C0138-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18C0138	Rowe Industries	Water	March 1, 2018 12:05 pm	03/05/2018

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:	03/08/2018 07:30	03/09/2018 00:10	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30	03/09/2018 00:10	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	03/08/2018 07:30	03/09/2018 00:10	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30	03/09/2018 00:10	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30	03/09/2018 00:10	SS NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30	03/09/2018 00:10	SS NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30	03/09/2018 00:10	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30	03/09/2018 00:10	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30	03/09/2018 00:10	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30	03/09/2018 00:10	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30	03/09/2018 00:10	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30	03/09/2018 00:10	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30	03/09/2018 00:10	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30	03/09/2018 00:10	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30	03/09/2018 00:10	SS 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:	03/08/2018 07:30	03/09/2018 00:10	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30	03/09/2018 00:10	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30	03/09/2018 00:10	SS NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30	03/09/2018 00:10	SS NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30	03/09/2018 00:10	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30	03/09/2018 00:10	SS NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30	03/09/2018 00:10	SS 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:	03/08/2018 07:30	03/09/2018 00:10	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP

Sample Information

Client Sample ID: WQ030118: 1205 NP2-10 **York Sample ID:** 18C0138-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18C0138	Rowe Industries	Water	March 1, 2018 12:05 pm	03/05/2018

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:	03/08/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2018 00:10	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	03/08/2018 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2018 00:10	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2018 00:10	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2018 00:10	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	03/09/2018 00:10	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	03/08/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	03/09/2018 00:10	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2018 00:10	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2018 00:10	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2018 00:10	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2018 00:10	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2018 00:10	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2018 00:10	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2018 00:10	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2018 00:10	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2018 00:10	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2018 00:10	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/08/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2018 00:10	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications:	03/08/2018 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/09/2018 00:10	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*97.2 %*	*69-130*
2037-26-5	*Surrogate: Toluene-d8*	*104 %*	*81-117*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*104 %*	*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: WQ030118: 1205 NP2-10 **York Sample ID:** 18C0138-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18C0138	Rowe Industries	Water	March 1, 2018 12:05 pm	03/05/2018

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**	**3.15**	B	mg/L	0.0222	1	EPA 200.7	03/13/2018 10:14	03/13/2018 11:57	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Iron, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**0.0574**	B	mg/L	0.0222	1	EPA 6010C	03/14/2018 11:28	03/14/2018 16:17	BML
							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	**147**		mg/L	10.0	1	SM 2540C	03/07/2018 03:48	03/08/2018 13:57	AA
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Analytical Batch Summary

Batch ID: BC80262 **Preparation Method:** % Solids Prep **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
18C0138-01	WQ030118: 1205 NP2-10	03/07/18
BC80262-BLK1	Blank	03/07/18

Batch ID: BC80314 **Preparation Method:** EPA 5030B **Prepared By:** TAB

YORK Sample ID	Client Sample ID	Preparation Date
18C0137-01	WQ030118:1200 NP2-6	03/08/18
18C0138-01	WQ030118: 1205 NP2-10	03/08/18
BC80314-BLK1	Blank	03/08/18
BC80314-BS1	LCS	03/08/18
BC80314-BSD1	LCS Dup	03/08/18

Batch ID: BC80541 **Preparation Method:** EPA 200.7 **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
18C0138-01	WQ030118: 1205 NP2-10	03/13/18
BC80541-BLK1	Blank	03/13/18
BC80541-SRM1	Reference	03/13/18

Batch ID: BC80613 **Preparation Method:** EPA 3015A **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
18C0138-01	WQ030118: 1205 NP2-10	03/14/18
BC80613-BLK1	Blank	03/14/18
BC80613-SRM1	Reference	03/14/18

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 BC80314 - EPA 5030B											
Blank (BC80314-BLK1)											Prepared & Analyzed: 03/08/2018
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 BC80314 - EPA 5030B											
Blank (BC80314-BLK1)								Prepared & Analyzed: 03/08/2018			
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	*9.64*		*"*	*10.0*		*96.4*	*69-130*				
Surrogate: Toluene-d8	*10.3*		*"*	*10.0*		*103*	*81-117*				
Surrogate: p-Bromofluorobenzene	*10.2*		*"*	*10.0*		*102*	*79-122*				
LCS (BC80314-BS1)								Prepared & Analyzed: 03/08/2018			
1,1,1,2-Tetrachloroethane	11.9		ug/L	10.0		119	82-126				
1,1,1-Trichloroethane	12.0		"	10.0		120	78-136				
1,1,2,2-Tetrachloroethane	12.1		"	10.0		121	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.7		"	10.0		107	54-165				
1,1,2-Trichloroethane	11.8		"	10.0		118	82-123				
1,1-Dichloroethane	10.9		"	10.0		109	82-129				
1,1-Dichloroethylene	10.6		"	10.0		106	68-138				
1,1-Dichloropropylene	12.0		"	10.0		120	83-133				
1,2,3-Trichlorobenzene	17.3		"	10.0		173	76-136	High Bias			
1,2,3-Trichloropropane	12.0		"	10.0		120	77-128				
1,2,4-Trichlorobenzene	13.6		"	10.0		136	76-137				
1,2,4-Trimethylbenzene	11.5		"	10.0		115	82-132				
1,2-Dibromo-3-chloropropane	10.4		"	10.0		104	45-147				
1,2-Dibromoethane	11.9		"	10.0		119	83-124				
1,2-Dichlorobenzene	11.7		"	10.0		117	79-123				
1,2-Dichloroethane	10.6		"	10.0		106	73-132				
1,2-Dichloropropane	10.9		"	10.0		109	78-126				
1,3,5-Trimethylbenzene	11.6		"	10.0		116	80-131				
1,3-Dichlorobenzene	11.8		"	10.0		118	86-122				
1,3-Dichloropropane	11.6		"	10.0		116	81-125				
1,4-Dichlorobenzene	11.6		"	10.0		116	85-124				
2,2-Dichloropropane	13.1		"	10.0		131	56-150				
2-Chlorotoluene	11.7		"	10.0		117	79-130				
2-Hexanone	8.91		"	10.0		89.1	51-146				
4-Chlorotoluene	11.7		"	10.0		117	79-128				
Acetone	8.34		"	10.0		83.4	14-150				
Benzene	12.0		"	10.0		120	85-126				
Bromobenzene	11.5		"	10.0		115	78-129				
Bromochloromethane	9.56		"	10.0		95.6	77-128				
Bromodichloromethane	12.0		"	10.0		120	79-128				
Bromoform	12.0		"	10.0		120	78-133				
Bromomethane	5.12		"	10.0		51.2	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 BC80314 - EPA 5030B											
LCS (BC80314-BS1)								Prepared & Analyzed: 03/08/2018			
Carbon tetrachloride	11.5		ug/L	10.0		115	77-141				
Chlorobenzene	11.9		"	10.0		119	88-120				
Chloroethane	11.2		"	10.0		112	65-136				
Chloroform	12.1		"	10.0		121	82-128				
Chloromethane	8.92		"	10.0		89.2	43-155				
cis-1,2-Dichloroethylene	10.4		"	10.0		104	83-129				
cis-1,3-Dichloropropylene	11.2		"	10.0		112	80-131				
Dibromochloromethane	11.6		"	10.0		116	80-130				
Dibromomethane	11.2		"	10.0		112	72-134				
Dichlorodifluoromethane	15.2		"	10.0		152	44-144	High Bias			
Ethyl Benzene	12.2		"	10.0		122	80-131				
Hexachlorobutadiene	12.8		"	10.0		128	67-146				
Isopropylbenzene	11.6		"	10.0		116	76-140				
Methyl tert-butyl ether (MTBE)	10.8		"	10.0		108	76-135				
Methylene chloride	8.64		"	10.0		86.4	55-137				
Naphthalene	14.2		"	10.0		142	70-147				
n-Butylbenzene	11.7		"	10.0		117	79-132				
n-Propylbenzene	11.9		"	10.0		119	78-133				
o-Xylene	12.1		"	10.0		121	78-130				
p- & m- Xylenes	24.6		"	20.0		123	77-133				
p-Isopropyltoluene	12.1		"	10.0		121	81-136				
sec-Butylbenzene	12.0		"	10.0		120	79-137				
Styrene	11.5		"	10.0		115	67-132				
tert-Butylbenzene	11.8		"	10.0		118	77-138				
Tetrachloroethylene	10.2		"	10.0		102	82-131				
Toluene	11.8		"	10.0		118	80-127				
trans-1,2-Dichloroethylene	10.3		"	10.0		103	80-132				
trans-1,3-Dichloropropylene	11.0		"	10.0		110	78-131				
Trichloroethylene	12.3		"	10.0		123	82-128				
Trichlorofluoromethane	11.8		"	10.0		118	67-139				
Vinyl Chloride	11.4		"	10.0		114	58-145				
Surrogate: 1,2-Dichloroethane-d4	*9.53*		*"*	*10.0*		*95.3*	*69-130*				
Surrogate: Toluene-d8	*10.2*		*"*	*10.0*		*102*	*81-117*				
Surrogate: p-Bromofluorobenzene	*10.1*		*"*	*10.0*		*101*	*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 BC80314 - EPA 5030B											
LCS Dup (BC80314-BSD1)								Prepared & Analyzed: 03/08/2018			
1,1,1,2-Tetrachloroethane	11.8		ug/L	10.0		118	82-126		0.422	30	
1,1,1-Trichloroethane	11.6		"	10.0		116	78-136		2.63	30	
1,1,2,2-Tetrachloroethane	12.4		"	10.0		124	76-129		2.61	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.3		"	10.0		113	54-165		5.74	30	
1,1,2-Trichloroethane	11.8		"	10.0		118	82-123		0.169	30	
1,1-Dichloroethane	10.6		"	10.0		106	82-129		2.42	30	
1,1-Dichloroethylene	10.3		"	10.0		103	68-138		2.67	30	
1,1-Dichloropropylene	11.6		"	10.0		116	83-133		3.64	30	
1,2,3-Trichlorobenzene	17.4		"	10.0		174	76-136	High Bias	0.462	30	
1,2,3-Trichloropropane	12.0		"	10.0		120	77-128		0.750	30	
1,2,4-Trichlorobenzene	13.6		"	10.0		136	76-137		0.00	30	
1,2,4-Trimethylbenzene	11.1		"	10.0		111	82-132		3.01	30	
1,2-Dibromo-3-chloropropane	10.5		"	10.0		105	45-147		1.24	30	
1,2-Dibromoethane	12.2		"	10.0		122	83-124		2.07	30	
1,2-Dichlorobenzene	11.5		"	10.0		115	79-123		1.63	30	
1,2-Dichloroethane	10.7		"	10.0		107	73-132		1.04	30	
1,2-Dichloropropane	10.7		"	10.0		107	78-126		1.85	30	
1,3,5-Trimethylbenzene	11.2		"	10.0		112	80-131		3.69	30	
1,3-Dichlorobenzene	11.5		"	10.0		115	86-122		2.23	30	
1,3-Dichloropropane	11.7		"	10.0		117	81-125		0.774	30	
1,4-Dichlorobenzene	11.4		"	10.0		114	85-124		1.82	30	
2,2-Dichloropropane	12.7		"	10.0		127	56-150		3.34	30	
2-Chlorotoluene	11.3		"	10.0		113	79-130		3.49	30	
2-Hexanone	9.05		"	10.0		90.5	51-146		1.56	30	
4-Chlorotoluene	11.3		"	10.0		113	79-128		3.65	30	
Acetone	7.62		"	10.0		76.2	14-150		9.02	30	
Benzene	11.7		"	10.0		117	85-126		2.20	30	
Bromobenzene	11.2		"	10.0		112	78-129		2.56	30	
Bromochloromethane	9.47		"	10.0		94.7	77-128		0.946	30	
Bromodichloromethane	12.0		"	10.0		120	79-128		0.0833	30	
Bromoform	12.1		"	10.0		121	78-133		1.16	30	
Bromomethane	5.60		"	10.0		56.0	43-168		8.96	30	
Carbon tetrachloride	11.4		"	10.0		114	77-141		1.40	30	
Chlorobenzene	11.7		"	10.0		117	88-120		1.78	30	
Chloroethane	10.9		"	10.0		109	65-136		3.07	30	
Chloroform	11.9		"	10.0		119	82-128		1.75	30	
Chloromethane	8.51		"	10.0		85.1	43-155		4.70	30	
cis-1,2-Dichloroethylene	10.2		"	10.0		102	83-129		2.05	30	
cis-1,3-Dichloropropylene	11.2		"	10.0		112	80-131		0.178	30	
Dibromochloromethane	11.8		"	10.0		118	80-130		1.97	30	
Dibromomethane	11.4		"	10.0		114	72-134		1.60	30	
Dichlorodifluoromethane	16.4		"	10.0		164	44-144	High Bias	7.52	30	
Ethyl Benzene	11.9		"	10.0		119	80-131		2.32	30	
Hexachlorobutadiene	12.5		"	10.0		125	67-146		2.36	30	
Isopropylbenzene	11.2		"	10.0		112	76-140		3.51	30	
Methyl tert-butyl ether (MTBE)	11.0		"	10.0		110	76-135		1.74	30	
Methylene chloride	8.49		"	10.0		84.9	55-137		1.75	30	
Naphthalene	14.3		"	10.0		143	70-147		0.842	30	
n-Butylbenzene	11.2		"	10.0		112	79-132		3.76	30	
n-Propylbenzene	11.5		"	10.0		115	78-133		3.58	30	
o-Xylene	11.8		"	10.0		118	78-130		2.52	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 BC80314 - EPA 5030B											
LCS Dup (BC80314-BSD1)								Prepared & Analyzed: 03/08/2018			
p- & m- Xylenes	24.1		ug/L	20.0		120	77-133		2.26	30	
p-Isopropyltoluene	11.7		"	10.0		117	81-136		3.70	30	
sec-Butylbenzene	11.6		"	10.0		116	79-137		3.22	30	
Styrene	11.3		"	10.0		113	67-132		1.66	30	
tert-Butylbenzene	11.4		"	10.0		114	77-138		3.37	30	
Tetrachloroethylene	9.90		"	10.0		99.0	82-131		3.08	30	
Toluene	11.5		"	10.0		115	80-127		2.65	30	
trans-1,2-Dichloroethylene	10.1		"	10.0		101	80-132		2.16	30	
trans-1,3-Dichloropropylene	11.1		"	10.0		111	78-131		0.995	30	
Trichloroethylene	12.0		"	10.0		120	82-128		2.55	30	
Trichlorofluoromethane	12.0		"	10.0		120	67-139		2.01	30	
Vinyl Chloride	11.0		"	10.0		110	58-145		3.40	30	
Surrogate: 1,2-Dichloroethane-d4	*9.64*		*"*	*10.0*		*96.4*	*69-130*				
Surrogate: Toluene-d8	*10.3*		*"*	*10.0*		*103*	*81-117*				
Surrogate: p-Bromofluorobenzene	*10.0*		*"*	*10.0*		*100*	*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 BC80541 - EPA 200.7											
Blank (BC80541-BLK1)								Prepared & Analyzed: 03/13/2018			
Iron	0.227	0.0222	mg/L								
Reference (BC80541-SRM1)								Prepared & Analyzed: 03/13/2018			
Iron	1.37		ug/mL	1.40		97.7	84.9-115				
Batch BC80613 - EPA 3015A											
Blank (BC80613-BLK1)								Prepared & Analyzed: 03/14/2018			
Iron - Dissolved	0.0333	0.0222	mg/L								
Reference (BC80613-SRM1)								Prepared & Analyzed: 03/14/2018			
Iron - Dissolved	1.36		ug/mL	1.40		97.5	84.9-115				

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 BC80262 - % Solids Prep											
Blank (BC80262-BLK1)											Prepared: 03/07/2018 Analyzed: 03/08/2018
Total Dissolved Solids	ND	10.0	mg/L								

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
18C0137-01	WQ030118:1200 NP2-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18C0138-01	WQ030118: 1205 NP2-10	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Sample and Data Qualifiers Relating to This Work Order

QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

(1)

YORK
ANALYTICAL LABORATORIES, INC.

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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. 18C0137

YOUR Information	Report To:	Invoice To:	YOUR Project ID	Turn-Around Time	Report Type
Company: LBG	Company: Same	Company: Same	Rowe Industries.	RUSH - Same Day ☐	Summary Report X, pdf
Address: 4 Research Dr, Suite 301 Shelton, CT 06484	Address:	Address:	Purchase Order No. NABSAG	RUSH - Next Day ☐	Summary w/ QA Summary X, pdf
Phone No. 203-929-8555	Phone No.	Phone No.		RUSH - Two Day ☐	CT RCP Package
Contact Person: Tunde Sandor	Attention:	Attention:		RUSH - Three Day ☐	CTRCP DQA/DUE Pkg
E-Mail Address: TSandor@LBGLCT.com	E-Mail Address:	E-Mail Address:	Samples from: CT ___ NY X NJ ___	RUSH - Four Day ☐	NY ASP A Package
				Standard(5-7 Days) X	NY ASP B Package NP2-10 only, pdf.
					NJDEP Red. Deliv.
					Electronic Data Deliverables (EDD)
					Simple Excel X
					NYSDEC EQuIS
					EQuIS (std)
					EZ-EDD (EQuIS)
					NJDEP SRP HazSite EDD
					GIS/KEY (std)
					Other
					York Regulatory Comparison
					Excel Spreadsheet
					Compare to the following Regs. (please fill in):

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	Misc.
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.	Corrosivity
624	Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics	Reactivity
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN	Ignitability
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP	Flash Point
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX	Sieve Anal.
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part360-Routine	Heterotrophs
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part360-Baseline	TOX
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part 360-Expanded No Dioxins/Furans	BTU/lb.
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part360-Expanded Full List	Aquatic Tox.
Halog.only	NJDEP list	App. IX	Chlordane	Indiv. Metals	Air TICs	NYCDEP Sewer	TOC
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer	Asbestos
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM	Silica

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
WQ030118:1200 NP2-6	3-1-18	GW	[redacted] VOCs, 8260 List (EPA SW846-8260B) plus freon 113	3 VOA, [redacted]
WQ030118:1205 NP2-10	3-1-18	GW	Fe by EPA 200.7/Fe, Dissolved by EPA 6010 (SW846-6010B)/VOCs 8260 List (EPA SW846-8260B) plus freon 113 / TOC (SM 2540c)	3 VOA, 3 plastic

Comments

Preservation Check those Applicable
Special Instructions
Field Filtered ☐
Lab to Filter ☐

4°C ✓ Frozen ___ HCl ✓ MeOH ___ HNO3 ✓ H2SO4 ___ NaOH ___
ZnAc Ascorbic Acid Other

Samples Relinquished By	Date/Time	Samples Received By	Date/Time
	3-1-18 1800	WSP Fridge	3-1-18/1800
Samples Relinquished By	Date/Time	Samples Received in LAB by	Date/Time
Redd A	3/5/18 1335		3/5/18 1447

Temperature on Receipt 2.3 °C

(system)

(1)

YORK
ANALYTICAL LABORATORIES, INC.

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. 18C0138

YOUR Information	Report To:	Invoice To:	YOUR Project ID	Turn-Around Time	Report Type
Company: LBG	Company: Same	Company: Same	Rowe Industries.	RUSH - Same Day ☐	Summary Report X, pdf
Address: 4 Research Dr Suite 301 Shelton, CT 06484	Address: ↓	Address: ↓	Purchase Order No.	RUSH - Next Day ☐	Summary w/ QA Summary X, pdf
Phone No. 203-929-8555	Phone No.	Phone No.	NABSAG.	RUSH - Two Day ☐	CT RCP Package
Contact Person: Tunde Sandor	Attention:	Attention:		RUSH - Three Day ☐	CTRCP DQA/DUE Pkg
E-Mail Address: TSandor@LBGCT.com	E-Mail Address: ↓	E-Mail Address: ↓	Samples from: CT__ NY X NJ__	RUSH - Four Day ☐	NY ASP A Package
				Standard(5-7 Days) ☒	NY ASP B Package NP2-10 only, pdf.
					NJDEP Red. Deliv.

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): [signature]

Name (printed): Evan Foster

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

Electronic Data Deliverables (EDD)
- Simple Excel X
- NYSDEC EQuIS
- EQuIS (std)
- EZ-EDD (EQuIS)
- NJDEP SRP HazSite EDD
- GIS/KEY (std)
- Other
- York Regulatory Comparison
- Excel Spreadsheet
- Compare to the following Regs. (please fill in):

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
HQ030118:1200 NP2-6	3-1-18	GW [redacted]	[redacted] / VOCs, 8260 List (EPA SW845-8260B) plus freon 113 [redacted]	3 voa, [redacted]
HQ030118:1205 NP2-10	3-1-18	GW	Fe by EPA 200.7 / Fe, Dissolved by EPA 6010 (SW846-6010B) / VOCs 8260 list (EPA SW845-8260B) plus freon 113 / TDS (SM 2540C)	3 voa, 3 plastic

Comments

Preservation (Check those Applicable): 4°C ✓ Frozen__ HCl ✓ MeOH__ HNO₃ ✓ H₂SO₄__ NaOH__ ZnAc__ Ascorbic Acid__ Other__

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Samples Relinquished By	Date/Time	Samples Received By	Date/Time
[signature]	3-1-18 1800	WSP Fridge	3-1-18/1800
Samples Relinquished By	Date/Time	Samples Received in LAB by [signature]	3/5/18 1447

Temperature on Receipt: 2.3 °C

Rec'd [initials] 3/5/18 1335 (system)

APPENDIX II

MARCH 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: 03/12/2018
Client Project ID: Rowe Industries
York Project (SDG) No.: 18C0132

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: 03/12/2018
Client Project ID: Rowe Industries
York Project (SDG) No.: 18C0132

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 March 05, 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
18C0132-01	WQ030118: 1100 FRW-1	Water	03/01/2018	03/05/2018
18C0132-02	WQ030118: 1105 FRW-2	Water	03/01/2018	03/05/2018
18C0132-03	WQ030118: 1110 FRW-3	Water	03/01/2018	03/05/2018
18C0132-04	WQ030118: 1115 FRW-4	Water	03/01/2018	03/05/2018
18C0132-05	WQ030118: 1220NP1-1-2	Water	03/01/2018	03/05/2018

General Notes for York Project (SDG) No.: 18C0132

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: 03/12/2018

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: WQ030118: 1100 FRW-1 **York Sample ID:** 18C0132-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18C0132	Rowe Industries	Water	March 1, 2018 11:00 am	03/05/2018

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	03/05/2018 15:00	03/07/2018 00:56	AS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	**1,1,1-Trichloroethane**	**1.0**		ug/L	0.20	0.50	1	EPA 8260C	03/05/2018 15:00	03/07/2018 00:56	AS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2018 15:00	03/07/2018 00:56	AS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2018 15:00	03/07/2018 00:56	AS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2018 15:00	03/07/2018 00:56	AS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2018 15:00	03/07/2018 00:56	AS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2018 15:00	03/07/2018 00:56	AS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2018 15:00	03/07/2018 00:56	AS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2018 15:00	03/07/2018 00:56	AS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2018 15:00	03/07/2018 00:56	AS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2018 15:00	03/07/2018 00:56	AS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2018 15:00	03/07/2018 00:56	AS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2018 15:00	03/07/2018 00:56	AS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2018 15:00	03/07/2018 00:56	AS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2018 15:00	03/07/2018 00:56	AS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2018 15:00	03/07/2018 00:56	AS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2018 15:00	03/07/2018 00:56	AS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2018 15:00	03/07/2018 00:56	AS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2018 15:00	03/07/2018 00:56	AS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2018 15:00	03/07/2018 00:56	AS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2018 15:00	03/07/2018 00:56	AS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2018 15:00	03/07/2018 00:56	AS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: WQ030118: 1100 FRW-1 **York Sample ID:** 18C0132-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18C0132	Rowe Industries	Water	March 1, 2018 11:00 am	03/05/2018

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:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 00:56	AS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 00:56	AS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 00:56	AS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 00:56	AS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 00:56	AS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 00:56	AS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 00:56	AS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 00:56	AS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 00:56	AS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 00:56	AS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 00:56	AS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 00:56	AS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 00:56	AS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 00:56	AS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 00:56	AS
156-59-2	**cis-1,2-Dichloroethylene**	**1.8**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 00:56	AS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 00:56	AS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 00:56	AS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 00:56	AS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 00:56	AS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 00:56	AS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 00:56	AS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 00:56	AS

Sample Information

Client Sample ID: WQ030118: 1100 FRW-1 **York Sample ID:** 18C0132-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18C0132	Rowe Industries	Water	March 1, 2018 11:00 am	03/05/2018

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:	03/05/2018 15:00	03/07/2018 00:56 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 00:56 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 00:56 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 00:56 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 00:56 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 00:56 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	AS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 00:56 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	AS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 00:56 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 00:56 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 00:56 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 00:56 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
127-18-4	**Tetrachloroethylene**	**110**		ug/L	1.0	2.5	5	EPA 8260C Certifications:	03/12/2018 10:00	03/12/2018 16:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 00:56 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 00:56 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 00:56 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
79-01-6	**Trichloroethylene**	**2.7**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 00:56 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 00:56 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 00:56 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 00:56 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	AS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*101 %*	*69-130*
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*94.4 %*	*69-130*
2037-26-5	*Surrogate: Toluene-d8*	*97.5 %*	*81-117*
2037-26-5	*Surrogate: Toluene-d8*	*99.8 %*	*81-117*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*99.4 %*	*79-122*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*102 %*	*79-122*

Sample Information

Client Sample ID: WQ030118: 1100 FRW-1 **York Sample ID:** 18C0132-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18C0132	Rowe Industries	Water	March 1, 2018 11:00 am	03/05/2018

Sample Information

Client Sample ID: WQ030118: 1105 FRW-2 **York Sample ID:** 18C0132-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18C0132	Rowe Industries	Water	March 1, 2018 11:05 am	03/05/2018

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:	03/05/2018 15:00	03/07/2018 01:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 01:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 01:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 01:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 01:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 01:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 01:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 01:22 NELAC-NY10854,NELAC-NY12058,NJDEP	AS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 01:22 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 01:22 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 01:22 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 01:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 01:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 01:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 01:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 01:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 01:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 01:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 01:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS

Sample Information

Client Sample ID: WQ030118: 1105 FRW-2 **York Sample ID:** 18C0132-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18C0132	Rowe Industries	Water	March 1, 2018 11:05 am	03/05/2018

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
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 01:22 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 01:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 01:22 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 01:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 01:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 01:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 01:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 01:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 01:22 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 01:22 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 01:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 01:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 01:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 01:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 01:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 01:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 01:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 01:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 01:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 01:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 01:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 01:22 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 01:22 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS

Sample Information

Client Sample ID: WQ030118: 1105 FRW-2 **York Sample ID:** 18C0132-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18C0132	Rowe Industries	Water	March 1, 2018 11:05 am	03/05/2018

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
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 01:22	AS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 01:22	AS NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 01:22	AS 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:	03/05/2018 15:00	03/07/2018 01:22	AS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 01:22	AS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 01:22	AS NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 01:22	AS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 01:22	AS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 01:22	AS CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 01:22	AS CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 01:22	AS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 01:22	AS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 01:22	AS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 01:22	AS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
127-18-4	**Tetrachloroethylene**	**48**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 01:22	AS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 01:22	AS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 01:22	AS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 01:22	AS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
79-01-6	**Trichloroethylene**	**0.68**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 01:22	AS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 01:22	AS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 01:22	AS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 01:22	AS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*94.9 %*	*69-130*

Sample Information

Client Sample ID: WQ030118: 1105 FRW-2 **York Sample ID:** 18C0132-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18C0132	Rowe Industries	Water	March 1, 2018 11:05 am	03/05/2018

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
2037-26-5	*Surrogate: Toluene-d8*	*99.4 %*			*81-117*						
460-00-4	*Surrogate: p-Bromofluorobenzene*	*101 %*			*79-122*						

Sample Information

Client Sample ID: WQ030118: 1110 FRW-3 **York Sample ID:** 18C0132-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18C0132	Rowe Industries	Water	March 1, 2018 11:10 am	03/05/2018

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:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 01:48	AS
71-55-6	**1,1,1-Trichloroethane**	**0.65**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 01:48	AS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 01:48	AS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 01:48	AS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 01:48	AS
75-34-3	**1,1-Dichloroethane**	**0.26**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 01:48	AS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 01:48	AS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 NELAC-NY10854,NELAC-NY12058,NJDEP	03/07/2018 01:48	AS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 01:48	AS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 01:48	AS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 01:48	AS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 01:48	AS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 01:48	AS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 01:48	AS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 01:48	AS

Sample Information

Client Sample ID: WQ030118: 1110 FRW-3 **York Sample ID:** 18C0132-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18C0132	Rowe Industries	Water	March 1, 2018 11:10 am	03/05/2018

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
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2018 15:00	03/07/2018 01:48	AS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2018 15:00	03/07/2018 01:48	AS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2018 15:00	03/07/2018 01:48	AS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2018 15:00	03/07/2018 01:48	AS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2018 15:00	03/07/2018 01:48	AS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2018 15:00	03/07/2018 01:48	AS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2018 15:00	03/07/2018 01:48	AS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2018 15:00	03/07/2018 01:48	AS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2018 15:00	03/07/2018 01:48	AS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2018 15:00	03/07/2018 01:48	AS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	03/05/2018 15:00	03/07/2018 01:48	AS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2018 15:00	03/07/2018 01:48	AS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2018 15:00	03/07/2018 01:48	AS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2018 15:00	03/07/2018 01:48	AS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2018 15:00	03/07/2018 01:48	AS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2018 15:00	03/07/2018 01:48	AS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2018 15:00	03/07/2018 01:48	AS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2018 15:00	03/07/2018 01:48	AS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2018 15:00	03/07/2018 01:48	AS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2018 15:00	03/07/2018 01:48	AS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2018 15:00	03/07/2018 01:48	AS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	03/05/2018 15:00	03/07/2018 01:48	AS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	**cis-1,2-Dichloroethylene**	**18**		ug/L	0.20	0.50	1	EPA 8260C	03/05/2018 15:00	03/07/2018 01:48	AS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: WQ030118: 1110 FRW-3 **York Sample ID:** 18C0132-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18C0132	Rowe Industries	Water	March 1, 2018 11:10 am	03/05/2018

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 01:48	AS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 01:48	AS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 01:48	AS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 01:48	AS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 01:48	AS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 01:48	AS
98-82-8	**Isopropylbenzene**	**0.49**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 01:48	AS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 01:48	AS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 01:48	AS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	03/05/2018 15:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 01:48	AS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 01:48	AS
103-65-1	**n-Propylbenzene**	**0.34**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 01:48	AS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	03/07/2018 01:48	AS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	03/07/2018 01:48	AS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 01:48	AS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 01:48	AS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 01:48	AS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 01:48	AS
127-18-4	**Tetrachloroethylene**	**120**		ug/L	1.0	2.5	5	EPA 8260C Certifications:	03/12/2018 10:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2018 16:52	AS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 01:48	AS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 01:48	AS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 01:48	AS
79-01-6	**Trichloroethylene**	**7.9**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 01:48	AS

Sample Information

Client Sample ID: WQ030118: 1110 FRW-3 **York Sample ID:** 18C0132-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18C0132	Rowe Industries	Water	March 1, 2018 11:10 am	03/05/2018

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
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 01:48	AS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 01:48	AS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/07/2018 01:48	AS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*94.4 %*	*69-130*
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*101 %*	*69-130*
2037-26-5	*Surrogate: Toluene-d8*	*100 %*	*81-117*
2037-26-5	*Surrogate: Toluene-d8*	*98.4 %*	*81-117*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*112 %*	*79-122*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*101 %*	*79-122*

Sample Information

Client Sample ID: WQ030118: 1115 FRW-4 **York Sample ID:** 18C0132-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18C0132	Rowe Industries	Water	March 1, 2018 11:15 am	03/05/2018

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:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 02:15	AS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 02:15	AS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 02:15	AS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 02:15	AS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 02:15	AS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 02:15	AS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 02:15	AS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 NELAC-NY10854,NELAC-NY12058,NJDEP	03/07/2018 02:15	AS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 02:15	AS

Sample Information

Client Sample ID: WQ030118: 1115 FRW-4 **York Sample ID:** 18C0132-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18C0132	Rowe Industries	Water	March 1, 2018 11:15 am	03/05/2018

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
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 02:15	AS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 02:15	AS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 02:15	AS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 02:15	AS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 02:15	AS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 02:15	AS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 02:15	AS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 02:15	AS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 02:15	AS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 02:15	AS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 02:15	AS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 02:15	AS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 02:15	AS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 02:15	AS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 02:15	AS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 02:15	AS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 02:15	AS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 02:15	AS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 02:15	AS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 02:15	AS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 02:15	AS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 02:15	AS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 02:15	AS

Sample Information

Client Sample ID: WQ030118: 1115 FRW-4 **York Sample ID:** 18C0132-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18C0132	Rowe Industries	Water	March 1, 2018 11:15 am	03/05/2018

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
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 02:15 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 02:15 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 02:15 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 02:15 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 02:15 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
156-59-2	**cis-1,2-Dichloroethylene**	**0.47**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 02:15 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 02:15 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 02:15 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 02:15 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 02:15 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 02:15 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 02:15 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 02:15 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 02:15 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 02:15 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 02:15 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 02:15 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 02:15 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 02:15 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	AS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 02:15 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	AS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 02:15 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 02:15 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 02:15 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS

Sample Information

Client Sample ID: WQ030118: 1115 FRW-4 **York Sample ID:** 18C0132-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18C0132	Rowe Industries	Water	March 1, 2018 11:15 am	03/05/2018

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
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 02:15	AS
127-18-4	**Tetrachloroethylene**	**3.0**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 02:15	AS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 02:15	AS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 02:15	AS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 02:15	AS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 02:15	AS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 02:15	AS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 02:15	AS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/07/2018 02:15	AS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*93.9 %*	*69-130*
2037-26-5	*Surrogate: Toluene-d8*	*98.4 %*	*81-117*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*102 %*	*79-122*

Sample Information

Client Sample ID: WQ030118: 1220NP1-1-2 **York Sample ID:** 18C0132-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18C0132	Rowe Industries	Water	March 1, 2018 12:20 pm	03/05/2018

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:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 02:41	AS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 02:41	AS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 02:41	AS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 02:41	AS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 02:41	AS

Sample Information

Client Sample ID: WQ030118: 1220NP1-1-2 **York Sample ID:** 18C0132-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18C0132	Rowe Industries	Water	March 1, 2018 12:20 pm	03/05/2018

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
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 02:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 02:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 02:41 NELAC-NY10854,NELAC-NY12058,NJDEP	AS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 02:41 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 02:41 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 02:41 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 02:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 02:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 02:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 02:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 02:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 02:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 02:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 02:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 02:41 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 02:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 02:41 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 02:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 02:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 02:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 02:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 02:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 02:41 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS

Sample Information

Client Sample ID: WQ030118: 1220NP1-1-2 **York Sample ID:** 18C0132-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18C0132	Rowe Industries	Water	March 1, 2018 12:20 pm	03/05/2018

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
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 02:41	AS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 02:41	AS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 02:41	AS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 02:41	AS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 02:41	AS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 02:41	AS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 02:41	AS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 02:41	AS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 02:41	AS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 02:41	AS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 02:41	AS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 02:41	AS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 02:41	AS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 02:41	AS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 02:41	AS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 02:41	AS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 02:41	AS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 02:41	AS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 02:41	AS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	03/05/2018 15:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 02:41	AS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 02:41	AS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/07/2018 02:41	AS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	03/07/2018 02:41	AS

Sample Information

Client Sample ID: WQ030118: 1220NP1-1-2 **York Sample ID:** 18C0132-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18C0132	Rowe Industries	Water	March 1, 2018 12:20 pm	03/05/2018

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
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 02:41 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	AS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 02:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 02:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 02:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 02:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
127-18-4	**Tetrachloroethylene**	**0.41**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 02:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 02:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 02:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 02:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
79-01-6	**Trichloroethylene**	**0.67**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 02:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 02:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 02:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	AS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications:	03/05/2018 15:00	03/07/2018 02:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	AS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*95.7 %*	*69-130*
2037-26-5	*Surrogate: Toluene-d8*	*99.1 %*	*81-117*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*103 %*	*79-122*

Analytical Batch Summary

Batch ID: BC80170 **Preparation Method:** EPA 5030B **Prepared By:** AS

YORK Sample ID	Client Sample ID	Preparation Date
18C0132-01	WQ030118: 1100 FRW-1	03/05/18
18C0132-02	WQ030118: 1105 FRW-2	03/05/18
18C0132-03	WQ030118: 1110 FRW-3	03/05/18
18C0132-04	WQ030118: 1115 FRW-4	03/05/18
18C0132-05	WQ030118: 1220NP1-1-2	03/05/18
BC80170-BLK1	Blank	03/05/18
BC80170-BS1	LCS	03/05/18
BC80170-BSD1	LCS Dup	03/05/18

Batch ID: BC80492 **Preparation Method:** EPA 5030B **Prepared By:** AS

YORK Sample ID	Client Sample ID	Preparation Date
18C0132-01RE1	WQ030118: 1100 FRW-1	03/12/18
18C0132-03RE1	WQ030118: 1110 FRW-3	03/12/18
BC80492-BLK1	Blank	03/12/18
BC80492-BS1	LCS	03/12/18
BC80492-BSD1	LCS Dup	03/12/18

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 BC80170 - EPA 5030B											
Blank (BC80170-BLK1)											
Prepared: 03/05/2018 Analyzed: 03/06/2018											
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	0.51	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	1.6	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 BC80170 - EPA 5030B											
Blank (BC80170-BLK1)									Prepared: 03/05/2018 Analyzed: 03/06/2018		
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	*9.75*		*"*	*10.0*		*97.5*	*69-130*				
Surrogate: Toluene-d8	*9.93*		*"*	*10.0*		*99.3*	*81-117*				
Surrogate: p-Bromofluorobenzene	*10.2*		*"*	*10.0*		*102*	*79-122*				
LCS (BC80170-BS1)									Prepared: 03/05/2018 Analyzed: 03/06/2018		
1,1,1,2-Tetrachloroethane	9.61		ug/L	10.0		96.1	82-126				
1,1,1-Trichloroethane	9.74		"	10.0		97.4	78-136				
1,1,2,2-Tetrachloroethane	10.2		"	10.0		102	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.63		"	10.0		96.3	54-165				
1,1,2-Trichloroethane	9.65		"	10.0		96.5	82-123				
1,1-Dichloroethane	9.83		"	10.0		98.3	82-129				
1,1-Dichloroethylene	9.47		"	10.0		94.7	68-138				
1,1-Dichloropropylene	9.51		"	10.0		95.1	83-133				
1,2,3-Trichlorobenzene	9.98		"	10.0		99.8	76-136				
1,2,3-Trichloropropane	9.99		"	10.0		99.9	77-128				
1,2,4-Trichlorobenzene	9.09		"	10.0		90.9	76-137				
1,2,4-Trimethylbenzene	9.97		"	10.0		99.7	82-132				
1,2-Dibromo-3-chloropropane	9.25		"	10.0		92.5	45-147				
1,2-Dibromoethane	9.48		"	10.0		94.8	83-124				
1,2-Dichlorobenzene	9.71		"	10.0		97.1	79-123				
1,2-Dichloroethane	9.48		"	10.0		94.8	73-132				
1,2-Dichloropropane	9.40		"	10.0		94.0	78-126				
1,3,5-Trimethylbenzene	10.1		"	10.0		101	80-131				
1,3-Dichlorobenzene	9.97		"	10.0		99.7	86-122				
1,3-Dichloropropane	9.59		"	10.0		95.9	81-125				
1,4-Dichlorobenzene	9.89		"	10.0		98.9	85-124				
2,2-Dichloropropane	9.89		"	10.0		98.9	56-150				
2-Chlorotoluene	10.2		"	10.0		102	79-130				
2-Hexanone	11.1		"	10.0		111	51-146				
4-Chlorotoluene	10.1		"	10.0		101	79-128				
Acetone	12.5		"	10.0		125	14-150				
Benzene	9.60		"	10.0		96.0	85-126				
Bromobenzene	9.92		"	10.0		99.2	78-129				
Bromochloromethane	10.4		"	10.0		104	77-128				
Bromodichloromethane	9.36		"	10.0		93.6	79-128				
Bromoform	9.47		"	10.0		94.7	78-133				
Bromomethane	5.02		"	10.0		50.2	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 BC80170 - EPA 5030B											
LCS (BC80170-BS1)									Prepared: 03/05/2018 Analyzed: 03/06/2018		
Carbon tetrachloride	9.65		ug/L	10.0		96.5	77-141				
Chlorobenzene	9.64		"	10.0		96.4	88-120				
Chloroethane	9.09		"	10.0		90.9	65-136				
Chloroform	9.78		"	10.0		97.8	82-128				
Chloromethane	6.99		"	10.0		69.9	43-155				
cis-1,2-Dichloroethylene	9.68		"	10.0		96.8	83-129				
cis-1,3-Dichloropropylene	9.45		"	10.0		94.5	80-131				
Dibromochloromethane	9.51		"	10.0		95.1	80-130				
Dibromomethane	9.48		"	10.0		94.8	72-134				
Dichlorodifluoromethane	7.00		"	10.0		70.0	44-144				
Ethyl Benzene	9.75		"	10.0		97.5	80-131				
Hexachlorobutadiene	8.77		"	10.0		87.7	67-146				
Isopropylbenzene	10.4		"	10.0		104	76-140				
Methyl tert-butyl ether (MTBE)	9.60		"	10.0		96.0	76-135				
Methylene chloride	9.60		"	10.0		96.0	55-137				
Naphthalene	10.0		"	10.0		100	70-147				
n-Butylbenzene	10.0		"	10.0		100	79-132				
n-Propylbenzene	10.4		"	10.0		104	78-133				
o-Xylene	9.85		"	10.0		98.5	78-130				
p- & m- Xylenes	19.6		"	20.0		97.8	77-133				
p-Isopropyltoluene	10.1		"	10.0		101	81-136				
sec-Butylbenzene	10.2		"	10.0		102	79-137				
Styrene	9.84		"	10.0		98.4	67-132				
tert-Butylbenzene	10.2		"	10.0		102	77-138				
Tetrachloroethylene	9.52		"	10.0		95.2	82-131				
Toluene	9.45		"	10.0		94.5	80-127				
trans-1,2-Dichloroethylene	9.47		"	10.0		94.7	80-132				
trans-1,3-Dichloropropylene	9.51		"	10.0		95.1	78-131				
Trichloroethylene	9.43		"	10.0		94.3	82-128				
Trichlorofluoromethane	9.48		"	10.0		94.8	67-139				
Vinyl Chloride	8.15		"	10.0		81.5	58-145				
Surrogate: 1,2-Dichloroethane-d4	*9.95*		*"*	*10.0*		*99.5*	*69-130*				
Surrogate: Toluene-d8	*9.78*		*"*	*10.0*		*97.8*	*81-117*				
Surrogate: p-Bromofluorobenzene	*10.2*		*"*	*10.0*		*102*	*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 BC80170 - EPA 5030B											
LCS Dup (BC80170-BSD1)								Prepared: 03/05/2018 Analyzed: 03/06/2018			
1,1,1,2-Tetrachloroethane	9.57		ug/L	10.0		95.7	82-126		0.417	30	
1,1,1-Trichloroethane	9.76		"	10.0		97.6	78-136		0.205	30	
1,1,2,2-Tetrachloroethane	10.2		"	10.0		102	76-129		0.391	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.65		"	10.0		96.5	54-165		0.207	30	
1,1,2-Trichloroethane	9.83		"	10.0		98.3	82-123		1.85	30	
1,1-Dichloroethane	10.0		"	10.0		100	82-129		1.91	30	
1,1-Dichloroethylene	9.38		"	10.0		93.8	68-138		0.955	30	
1,1-Dichloropropylene	9.48		"	10.0		94.8	83-133		0.316	30	
1,2,3-Trichlorobenzene	10.2		"	10.0		102	76-136		1.69	30	
1,2,3-Trichloropropane	10.2		"	10.0		102	77-128		1.59	30	
1,2,4-Trichlorobenzene	9.12		"	10.0		91.2	76-137		0.329	30	
1,2,4-Trimethylbenzene	9.88		"	10.0		98.8	82-132		0.907	30	
1,2-Dibromo-3-chloropropane	10.4		"	10.0		104	45-147		11.7	30	
1,2-Dibromoethane	9.90		"	10.0		99.0	83-124		4.33	30	
1,2-Dichlorobenzene	9.67		"	10.0		96.7	79-123		0.413	30	
1,2-Dichloroethane	9.70		"	10.0		97.0	73-132		2.29	30	
1,2-Dichloropropane	9.54		"	10.0		95.4	78-126		1.48	30	
1,3,5-Trimethylbenzene	9.81		"	10.0		98.1	80-131		3.21	30	
1,3-Dichlorobenzene	9.84		"	10.0		98.4	86-122		1.31	30	
1,3-Dichloropropane	9.85		"	10.0		98.5	81-125		2.67	30	
1,4-Dichlorobenzene	9.77		"	10.0		97.7	85-124		1.22	30	
2,2-Dichloropropane	9.96		"	10.0		99.6	56-150		0.705	30	
2-Chlorotoluene	9.88		"	10.0		98.8	79-130		2.70	30	
2-Hexanone	11.2		"	10.0		112	51-146		0.898	30	
4-Chlorotoluene	9.77		"	10.0		97.7	79-128		3.02	30	
Acetone	12.8		"	10.0		128	14-150		2.37	30	
Benzene	9.85		"	10.0		98.5	85-126		2.57	30	
Bromobenzene	9.86		"	10.0		98.6	78-129		0.607	30	
Bromochloromethane	10.8		"	10.0		108	77-128		4.06	30	
Bromodichloromethane	9.50		"	10.0		95.0	79-128		1.48	30	
Bromoform	9.58		"	10.0		95.8	78-133		1.15	30	
Bromomethane	5.40		"	10.0		54.0	43-168		7.29	30	
Carbon tetrachloride	9.70		"	10.0		97.0	77-141		0.517	30	
Chlorobenzene	9.64		"	10.0		96.4	88-120		0.00	30	
Chloroethane	9.04		"	10.0		90.4	65-136		0.552	30	
Chloroform	9.94		"	10.0		99.4	82-128		1.62	30	
Chloromethane	7.00		"	10.0		70.0	43-155		0.143	30	
cis-1,2-Dichloroethylene	10.1		"	10.0		101	83-129		3.85	30	
cis-1,3-Dichloropropylene	9.54		"	10.0		95.4	80-131		0.948	30	
Dibromochloromethane	9.76		"	10.0		97.6	80-130		2.59	30	
Dibromomethane	9.74		"	10.0		97.4	72-134		2.71	30	
Dichlorodifluoromethane	6.96		"	10.0		69.6	44-144		0.573	30	
Ethyl Benzene	9.76		"	10.0		97.6	80-131		0.103	30	
Hexachlorobutadiene	8.76		"	10.0		87.6	67-146		0.114	30	
Isopropylbenzene	10.1		"	10.0		101	76-140		3.12	30	
Methyl tert-butyl ether (MTBE)	10.1		"	10.0		101	76-135		4.98	30	
Methylene chloride	9.85		"	10.0		98.5	55-137		2.57	30	
Naphthalene	10.6		"	10.0		106	70-147		5.14	30	
n-Butylbenzene	9.74		"	10.0		97.4	79-132		2.63	30	
n-Propylbenzene	10.1		"	10.0		101	78-133		2.74	30	
o-Xylene	9.85		"	10.0		98.5	78-130		0.00	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 BC80170 - EPA 5030B											
LCS Dup (BC80170-BSD1)									Prepared: 03/05/2018 Analyzed: 03/06/2018		
p- & m- Xylenes	19.5		ug/L	20.0		97.5	77-133		0.256	30	
p-Isopropyltoluene	9.76		"	10.0		97.6	81-136		3.23	30	
sec-Butylbenzene	10.0		"	10.0		100	79-137		1.98	30	
Styrene	9.94		"	10.0		99.4	67-132		1.01	30	
tert-Butylbenzene	9.97		"	10.0		99.7	77-138		1.79	30	
Tetrachloroethylene	9.69		"	10.0		96.9	82-131		1.77	30	
Toluene	9.30		"	10.0		93.0	80-127		1.60	30	
trans-1,2-Dichloroethylene	9.48		"	10.0		94.8	80-132		0.106	30	
trans-1,3-Dichloropropylene	9.63		"	10.0		96.3	78-131		1.25	30	
Trichloroethylene	9.35		"	10.0		93.5	82-128		0.852	30	
Trichlorofluoromethane	9.68		"	10.0		96.8	67-139		2.09	30	
Vinyl Chloride	8.22		"	10.0		82.2	58-145		0.855	30	
Surrogate: 1,2-Dichloroethane-d4	*10.2*		*"*	*10.0*		*102*	*69-130*				
Surrogate: Toluene-d8	*9.73*		*"*	*10.0*		*97.3*	*81-117*				
Surrogate: p-Bromofluorobenzene	*10.1*		*"*	*10.0*		*101*	*79-122*				
Batch BC80492 - EPA 5030B											
Blank (BC80492-BLK1)									Prepared & Analyzed: 03/12/2018		
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	0.51	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	"								

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 BC80492 - EPA 5030B											
Blank (BC80492-BLK1)											
Prepared & Analyzed: 03/12/2018											
Carbon tetrachloride	ND	0.50	ug/L								
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	1.3	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-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	*9.94*		"	*10.0*		*99.4*	*69-130*				
Surrogate: Toluene-d8	*9.73*		"	*10.0*		*97.3*	*81-117*				
Surrogate: p-Bromofluorobenzene	*9.94*		"	*10.0*		*99.4*	*79-122*				

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC80492 - EPA 5030B											
LCS (BC80492-BS1)								Prepared & Analyzed: 03/12/2018			
1,1,1,2-Tetrachloroethane	9.29		ug/L	10.0		92.9	82-126				
1,1,1-Trichloroethane	9.36		"	10.0		93.6	78-136				
1,1,2,2-Tetrachloroethane	9.41		"	10.0		94.1	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.41		"	10.0		94.1	54-165				
1,1,2-Trichloroethane	9.12		"	10.0		91.2	82-123				
1,1-Dichloroethane	9.43		"	10.0		94.3	82-129				
1,1-Dichloroethylene	9.17		"	10.0		91.7	68-138				
1,1-Dichloropropylene	9.25		"	10.0		92.5	83-133				
1,2,3-Trichlorobenzene	8.97		"	10.0		89.7	76-136				
1,2,3-Trichloropropane	9.89		"	10.0		98.9	77-128				
1,2,4-Trichlorobenzene	8.20		"	10.0		82.0	76-137				
1,2,4-Trimethylbenzene	9.57		"	10.0		95.7	82-132				
1,2-Dibromo-3-chloropropane	8.96		"	10.0		89.6	45-147				
1,2-Dibromoethane	9.12		"	10.0		91.2	83-124				
1,2-Dichlorobenzene	9.41		"	10.0		94.1	79-123				
1,2-Dichloroethane	9.22		"	10.0		92.2	73-132				
1,2-Dichloropropane	8.70		"	10.0		87.0	78-126				
1,3,5-Trimethylbenzene	9.55		"	10.0		95.5	80-131				
1,3-Dichlorobenzene	9.73		"	10.0		97.3	86-122				
1,3-Dichloropropane	9.05		"	10.0		90.5	81-125				
1,4-Dichlorobenzene	9.74		"	10.0		97.4	85-124				
2,2-Dichloropropane	9.54		"	10.0		95.4	56-150				
2-Chlorotoluene	9.73		"	10.0		97.3	79-130				
2-Hexanone	9.33		"	10.0		93.3	51-146				
4-Chlorotoluene	9.73		"	10.0		97.3	79-128				
Acetone	11.9		"	10.0		119	14-150				
Benzene	9.36		"	10.0		93.6	85-126				
Bromobenzene	9.58		"	10.0		95.8	78-129				
Bromochloromethane	9.82		"	10.0		98.2	77-128				
Bromodichloromethane	8.79		"	10.0		87.9	79-128				
Bromoform	8.84		"	10.0		88.4	78-133				
Bromomethane	6.40		"	10.0		64.0	43-168				
Carbon tetrachloride	9.30		"	10.0		93.0	77-141				
Chlorobenzene	9.32		"	10.0		93.2	88-120				
Chloroethane	9.04		"	10.0		90.4	65-136				
Chloroform	9.69		"	10.0		96.9	82-128				
Chloromethane	7.25		"	10.0		72.5	43-155				
cis-1,2-Dichloroethylene	9.43		"	10.0		94.3	83-129				
cis-1,3-Dichloropropylene	8.87		"	10.0		88.7	80-131				
Dibromochloromethane	8.88		"	10.0		88.8	80-130				
Dibromomethane	8.92		"	10.0		89.2	72-134				
Dichlorodifluoromethane	7.99		"	10.0		79.9	44-144				
Ethyl Benzene	9.11		"	10.0		91.1	80-131				
Hexachlorobutadiene	7.56		"	10.0		75.6	67-146				
Isopropylbenzene	9.55		"	10.0		95.5	76-140				
Methyl tert-butyl ether (MTBE)	9.48		"	10.0		94.8	76-135				
Methylene chloride	9.07		"	10.0		90.7	55-137				
Naphthalene	8.96		"	10.0		89.6	70-147				
n-Butylbenzene	8.58		"	10.0		85.8	79-132				
n-Propylbenzene	9.43		"	10.0		94.3	78-133				
o-Xylene	9.45		"	10.0		94.5	78-130				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC80492 - EPA 5030B											
LCS (BC80492-BS1)							Prepared & Analyzed: 03/12/2018				
p- & m- Xylenes	18.4		ug/L	20.0		91.9	77-133				
p-Isopropyltoluene	8.99		"	10.0		89.9	81-136				
sec-Butylbenzene	8.81		"	10.0		88.1	79-137				
Styrene	9.43		"	10.0		94.3	67-132				
tert-Butylbenzene	9.09		"	10.0		90.9	77-138				
Tetrachloroethylene	9.08		"	10.0		90.8	82-131				
Toluene	8.83		"	10.0		88.3	80-127				
trans-1,2-Dichloroethylene	9.16		"	10.0		91.6	80-132				
trans-1,3-Dichloropropylene	8.84		"	10.0		88.4	78-131				
Trichloroethylene	8.73		"	10.0		87.3	82-128				
Trichlorofluoromethane	9.61		"	10.0		96.1	67-139				
Vinyl Chloride	8.93		"	10.0		89.3	58-145				
Surrogate: 1,2-Dichloroethane-d4	*10.0*		*"*	*10.0*		*100*	*69-130*				
Surrogate: Toluene-d8	*9.44*		*"*	*10.0*		*94.4*	*81-117*				
Surrogate: p-Bromofluorobenzene	*10.3*		*"*	*10.0*		*103*	*79-122*				
LCS Dup (BC80492-BSD1)							Prepared & Analyzed: 03/12/2018				
1,1,1,2-Tetrachloroethane	9.44		ug/L	10.0		94.4	82-126		1.60	30	
1,1,1-Trichloroethane	9.23		"	10.0		92.3	78-136		1.40	30	
1,1,2,2-Tetrachloroethane	9.51		"	10.0		95.1	76-129		1.06	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.96		"	10.0		89.6	54-165		4.90	30	
1,1,2-Trichloroethane	9.56		"	10.0		95.6	82-123		4.71	30	
1,1-Dichloroethane	9.31		"	10.0		93.1	82-129		1.28	30	
1,1-Dichloroethylene	8.85		"	10.0		88.5	68-138		3.55	30	
1,1-Dichloropropylene	8.96		"	10.0		89.6	83-133		3.19	30	
1,2,3-Trichlorobenzene	10.3		"	10.0		103	76-136		14.0	30	
1,2,3-Trichloropropane	9.84		"	10.0		98.4	77-128		0.507	30	
1,2,4-Trichlorobenzene	8.90		"	10.0		89.0	76-137		8.19	30	
1,2,4-Trimethylbenzene	9.30		"	10.0		93.0	82-132		2.86	30	
1,2-Dibromo-3-chloropropane	9.78		"	10.0		97.8	45-147		8.75	30	
1,2-Dibromoethane	9.58		"	10.0		95.8	83-124		4.92	30	
1,2-Dichlorobenzene	9.27		"	10.0		92.7	79-123		1.50	30	
1,2-Dichloroethane	9.40		"	10.0		94.0	73-132		1.93	30	
1,2-Dichloropropane	8.85		"	10.0		88.5	78-126		1.71	30	
1,3,5-Trimethylbenzene	9.23		"	10.0		92.3	80-131		3.41	30	
1,3-Dichlorobenzene	9.30		"	10.0		93.0	86-122		4.52	30	
1,3-Dichloropropane	9.40		"	10.0		94.0	81-125		3.79	30	
1,4-Dichlorobenzene	9.35		"	10.0		93.5	85-124		4.09	30	
2,2-Dichloropropane	9.36		"	10.0		93.6	56-150		1.90	30	
2-Chlorotoluene	9.31		"	10.0		93.1	79-130		4.41	30	
2-Hexanone	10.3		"	10.0		103	51-146		10.3	30	
4-Chlorotoluene	9.25		"	10.0		92.5	79-128		5.06	30	
Acetone	12.2		"	10.0		122	14-150		1.99	30	
Benzene	9.28		"	10.0		92.8	85-126		0.858	30	
Bromobenzene	9.15		"	10.0		91.5	78-129		4.59	30	
Bromochloromethane	9.80		"	10.0		98.0	77-128		0.204	30	
Bromodichloromethane	8.90		"	10.0		89.0	79-128		1.24	30	
Bromoform	9.49		"	10.0		94.9	78-133		7.09	30	
Bromomethane	6.99		"	10.0		69.9	43-168		8.81	30	
Carbon tetrachloride	9.03		"	10.0		90.3	77-141		2.95	30	
Chlorobenzene	9.35		"	10.0		93.5	88-120		0.321	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 BC80492 - EPA 5030B											
LCS Dup (BC80492-BSD1)								Prepared & Analyzed: 03/12/2018			
Chloroethane	9.17		ug/L	10.0		91.7	65-136		1.43	30	
Chloroform	9.40		"	10.0		94.0	82-128		3.04	30	
Chloromethane	7.10		"	10.0		71.0	43-155		2.09	30	
cis-1,2-Dichloroethylene	9.19		"	10.0		91.9	83-129		2.58	30	
cis-1,3-Dichloropropylene	9.04		"	10.0		90.4	80-131		1.90	30	
Dibromochloromethane	9.21		"	10.0		92.1	80-130		3.65	30	
Dibromomethane	9.22		"	10.0		92.2	72-134		3.31	30	
Dichlorodifluoromethane	7.60		"	10.0		76.0	44-144		5.00	30	
Ethyl Benzene	9.38		"	10.0		93.8	80-131		2.92	30	
Hexachlorobutadiene	8.60		"	10.0		86.0	67-146		12.9	30	
Isopropylbenzene	9.39		"	10.0		93.9	76-140		1.69	30	
Methyl tert-butyl ether (MTBE)	9.68		"	10.0		96.8	76-135		2.09	30	
Methylene chloride	8.80		"	10.0		88.0	55-137		3.02	30	
Naphthalene	10.1		"	10.0		101	70-147		12.0	30	
n-Butylbenzene	9.06		"	10.0		90.6	79-132		5.44	30	
n-Propylbenzene	9.30		"	10.0		93.0	78-133		1.39	30	
o-Xylene	9.58		"	10.0		95.8	78-130		1.37	30	
p- & m- Xylenes	18.8		"	20.0		94.0	77-133		2.21	30	
p-Isopropyltoluene	9.31		"	10.0		93.1	81-136		3.50	30	
sec-Butylbenzene	9.34		"	10.0		93.4	79-137		5.84	30	
Styrene	9.60		"	10.0		96.0	67-132		1.79	30	
tert-Butylbenzene	9.41		"	10.0		94.1	77-138		3.46	30	
Tetrachloroethylene	9.35		"	10.0		93.5	82-131		2.93	30	
Toluene	8.93		"	10.0		89.3	80-127		1.13	30	
trans-1,2-Dichloroethylene	9.00		"	10.0		90.0	80-132		1.76	30	
trans-1,3-Dichloropropylene	9.21		"	10.0		92.1	78-131		4.10	30	
Trichloroethylene	8.87		"	10.0		88.7	82-128		1.59	30	
Trichlorofluoromethane	9.26		"	10.0		92.6	67-139		3.71	30	
Vinyl Chloride	8.52		"	10.0		85.2	58-145		4.70	30	
Surrogate: 1,2-Dichloroethane-d4	*10.2*		*"*	*10.0*		*102*	*69-130*				
Surrogate: Toluene-d8	*9.50*		*"*	*10.0*		*95.0*	*81-117*				
Surrogate: p-Bromofluorobenzene	*9.99*		*"*	*10.0*		*99.9*	*79-122*				

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
18C0132-01	WQ030118: 1100 FRW-1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18C0132-02	WQ030118: 1105 FRW-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18C0132-03	WQ030118: 1110 FRW-3	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18C0132-04	WQ030118: 1115 FRW-4	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18C0132-05	WQ030118: 1220NP1-1-2	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).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

(2)

YORK
ANALYTICAL LABORATORIES, INC.
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. 18C0132

YOUR Information
Company: LBG
Address: 4 Research Dr, Suite 301, Shelton, CT 06484
Phone No. 203-929-8555
Contact Person: Tunde Sander
E-Mail Address: TSander@LBGCT.com

Report To:
Company: Same
Address:
Phone No.
Attention:
E-Mail Address:

Invoice To:
Company: Same
Address:
Phone No.
Attention:
E-Mail Address:

YOUR Project ID
Rowe Industries.

Purchase Order No.
NABSAG

Samples from: CT ___ NY X NJ ___

Turn-Around Time
- RUSH - Same Day ☐
- RUSH - Next Day ☐
- RUSH - Two Day ☐
- RUSH - Three Day ☐
- RUSH - Four Day ☐
- Standard(5-7 Days) ☒

Report Type
- Summary Report X, pdf
- Summary w/ QA Summary X, pdf
- CT RCP Package ___
- CTRCP DQA/DUE Pkg ___
- NY ASP A Package ___
- NY ASP B Package X, pdf
- NJDEP Red. Deliv. ___

Electronic Data Deliverables (EDD)
- Simple Excel X
- NYSDEC EQuIS ___
- EQuIS (std) ___
- EZ-EDD (EQuIS) ___
- NJDEP SRP HazSite EDD ___
- GIS/KEY (std) ___
- Other ___
- **York Regulatory Comparison**
- **Excel Spreadsheet**

Compare to the following Regs. (please fill in):

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)

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists	Misc.
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll	Corrosivity
624	Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics	Reactivity
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN	Ignitability
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP	Flash Point
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX	Sieve Anal.
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part360-Routine	Heterotrophs
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part360-Baseline	TOX
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part 360-Expanded No Detailed Forms	BTU/lb.
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part 360-Expanded Full List	Aquatic Tox.
Halog.only	NJDEP list	App. IX	Chlordane	Indiv.Metals	Air TICs	NYCDEP Sewer	TOC
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer	Asbestos
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM	Silica

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

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
WQ030118: 1100 FRW-1	3-1-18	GW	VOC 8260 full list (EPA SW846-8260B) plus freon 113	3 VOA
1105 FRW-2				
1110 FRW-3				
1115 FRW-4				
1220 MPI-1-2				

Comments

Preservation Check those 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: 3-1-18 1800 (Date/Time)
Samples Relinquished By: ___ Date/Time

Samples Received By: WSP Fridge 3-1-18 1800 (Date/Time)
Samples Received in LAB by: TC Tuttle 3/5/18 1447 (Date/Time)

Temperature on Receipt 2.3 °C

Rec'd At 3/5/18 1335

(RW & FRW)