SUMMARY OF SYSTEM OPERATIONS

(September 1, 2017 through September 30, 2017)

Reporting period:	30 days
Volume of contaminated groundwater treated:	1,087,919 gallons
Volume of contaminated groundwater treated since 12/17/02:	1,425,580,000 gallons
Mass of Volatile Organics (VOCS) removed from groundwater:	0.01 pounds
Cumulative mass of VOCs removed from groundwater since 12/17/02:	229.1 pounds
No. hours of operation during reporting period:	550 hours (76.5%)*
No. of operating recovery wells:	1 out of 9 full scale pump and treat recovery wells and focused recovery wells FRW-1 through FRW-4. With EPA approval: RW-1 was shut down on July 13, 2005; RW-3 was shut down on May 21, 2012; RW-4 was shut down on January 1, 2014; RW-5 was shut down on May 23, 2012; RW-6 was shut down on January 1, 2014; RW-7 was shut down on January 1, 2014; RW-8 was shut down on April 30, 2012; and RW-9 was shut down on April 30, 2012.

*Downtime includes maintenance periods.

COMMUNITY INVOLVEMENT

EPA will continue to send out this type of update to let the community know how the site cleanup is progressing. A copy of this update and other site-related documents are available at the John Jermain Library for the public's review. If you have any questions about this update or the site in general, please contact:

Pamela Tames, P.E.
U.S. Environmental Protection Agency
290 Broadway, New York, NY 10007
telephone: (212) 637-4255
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e-mail: tames.pam@epa.gov

or

Cecilia Echols
Community Involvement Coordinator
telephone: 1-800-346-5009
e-mail: echols.cecilia@epa.gov

-DRAFT-

PROJECT STATUS MEMORANDUM **NO. 9-17**

TO: Pamela Tames, USEPA

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

DATE: December 12, 2017

PROJECT: Rowe Industries Superfund Site
NYS Site ID No. 152106
Groundwater Recovery and Treatment System
September 2017 Status Report
Sag Harbor, New York

LBG Hydrogeologic & Engineering Services, P.C. (LBGHES) 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 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 September 1, 2017 through September 30, 2017. 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

(September 1, 2017 through September 30, 2017)

1. Hours of operation during the reporting period:	550 hours (76.5%)
2. Alarm conditions during the reporting period:	See Table 1
3. Was the SPDES VOC discharge permit criteria achieved:	yes, (see Table 2)
4. Total volume of water pumped during the reporting period:	1,087,919 gal.*
5. Was the system effluent flow below the SPDES limit of 1,023,000 gpd:	yes, (see Graph 1)
6. Mass of VOCs recovered during the reporting period:	0.01 pound*
7. Cumulative mass of VOCs recovered since startup on 12/17/02: (calculations can be provided upon request)	229.1 pounds

*Values represent the FSP&T and FP&T system recovery wells.

PUMP AND TREAT SYSTEM STATUS SUMMARY

The following table summarizes recovery well parameters for the operating recovery wells. Note, FRW-1, 2, 3, and 4 were not operational from September 13-19 and September 27-October 4; downgradient recovery well RW-2 was not operational from September 13-19.

Well	Volume pumped (gal)	Total VOC Concentration (µg/L)	VOC Recovery (lbs)
RW-2 [1/]	958,691	0.6	< 0.01
FRW-1 [2/]	14,802	38.1	< 0.01
FRW-2 [2]	1,606	35.1	< 0.01
FRW-3 [2/]	4,652	22.8	< 0.01
FRW-4 [2/]	122,626	3.6	< 0.01

[1/] The above table summarizes the parameters for RW-2 from September 1 to September 30, 2017.
[2/] The above table summarizes the parameters for the FRWs from September 5, 2017 through October 4, 2017.

The treatment system and extraction wells were shut-down between September 13-19, 2017 due to a power failure, the semi-annual groundwater monitoring event, and system maintenance.

The FP&T system effluent transfer pump motor malfunctioned between September 20 and September 27, 2017. An inspection and troubleshooting with an electrician was scheduled for October 4, 2017. Additional details about the maintenance activities are provided in Table 1.

SUMMARY OF SAMPLING ACTIVITIES

September 2017 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.
- Semi-annual groundwater samples were collected from MW-98-01A, MW-98-05AR, MW-98-05BR, MW-45A, MW-45B, MW-98-04, MW-98-04B, MW-58A, MW-58B, MW-59A, MW-59B, MW-28A, MW-28B, N-32 and N-32B.
- Annual groundwater samples were collected from RW-3, RW-4, RW-6, MW-44A, MW-44B, MW-44C, MW-47A, MW-47B, MW-B1, MW-B4, MW-42B, MW-43A, MW-43B, MW-43C, MW-53 and MW-54. Monitor Well MW-52A was found to have been destroyed.

Tables 3-7 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 2-6 present PCE concentrations for RW-2 and FRW-1, 2, 3, and 4 over the last 24 months. Laboratory analytical reports for the water samples collected from the RWs and FRWs are included as Appendix II.

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

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

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

Semi-annual and annual groundwater quality sampling was completed between September 18 and 20, 2017. Monitor well MW-52A was destroyed sometime between March and September 2017. The semi-annual/annual groundwater quality sampling results will be summarized and reported under a separate cover. The next semi-annual groundwater quality sampling event is scheduled for March 2017.

FUTURE O&M ACTIVITIES

O&M activities scheduled for October 2017 include:

- normal bi-weekly/monthly O&M activities;
- EPA/NYSDEC Site visit for the 5-year review is scheduled for October 17, 2017;
- measure depth-to-water during pumping conditions;
- clean the recharge basins; and
- troubleshoot and/or repair the FP&T system transfer pump and the FRW-4 Level Mate (Ametek).

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\2017\Monthly Reports\September\Draft Status Sept2017.docx

TABLES

TABLE 1

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

MAINTENANCE LOG
(September 1, 2017 through September 30, 2017)

Date	Time	System Changes/Modifications	Personnel
9/4/2017	7:28 AM	The FSP&T and FP&T systems shut down due to an Equalization (EQ) Tank high level alarm.	
9/5/2017		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
	12:28 PM	EQ tank high level alarm occurred because the transfer pump TP1-B was not cycling. After resetting the alarm and rebooting the FSP&T system, the transfer pump appeared to be operating normally. The FSP&T system was restarted.	EF
	1:45 PM	Cleaned the FRW and FP&T system effluent flow meter paddle wheels and restarted the FP&T system with FRW-1, 2, 3 and 4 operating.	EF
9/13/2017	1:59 PM	The FSP&T and FP&T systems shut down due to a power failure alarm.	
	4:30 PM	Checked the FSP&T system, reset alarms, left the FP&T and FSP&T systems off in preparation for the semi-annual/annual groundwater quality sampling event.	JF
9/18/2017		Started semi-annual/annual groundwater quality sampling.	TS/PS/LD
		Measured depth-to-water during static conditions.	LD/PS
		Technicians from Cisco cleaned the RW-2 vault piping, riser pipe, flow meter, the FSP&T system influent piping and below-grade piping between the FP&T and FSP&T systems.	Cisco/TS
9/19/2017		Continued the semi-annual/annual groundwater quality sampling	PS/LD
	9:30 AM	Restarted the FSP&T system.	EF
		Technicians from Cisco cleaned the below-grade pipe between the FRW's and the FP&T trailer and replaced the FRW-4 pressure transducer. The FRWs were restarted.	Cisco/EF
9/20/2017		Completed the semi-annual/annual groundwater quality sampling.	LD/PS
9/27/2017	1:59 PM	The FSP&T and FP&T systems shut down due to a power failure alarm.	
	2:33 PM	Cleared alarms and restarted the FSP&T system with RW-2 operating. The FP&T system indicated a motor failure alarm; the FP&T system and FRWs were left off pending evaluation and repairs.	JF

Notes:

EF	Evan Foster, LBG
JF	Jamie Forrester, LBG
LD	Lauren Dehoyos
PS	Patrick Staub
TS	Tunde Sandor

H:\NABIS\2017\Monthly Reports\September\Table 1 Maintenance Record Sept2017 w wkb.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-Sep-16	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	1.65	0.044
16-Sep-16	6.5	146	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	0.92	0.336
17-Oct-16 [3/]	6.5	141	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	1.27	0.455
1-Nov-16	6.5	224	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	3.50	0.100
1-Dec-16	6.5	191	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	2.17	0.042
3-Jan-17	6.5	123	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	0.030
1-Feb-17	6.5	120	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	2.17	0.051
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

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 on September 19, 2017, 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.

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	5-Oct-15	ND<0.5	0.46 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-Nov-15	0.28 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
	2-Dec-15	0.35 J	0.53	0.26 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
	6-Jan-16	ND<0.5	0.56	0.33 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
	1-Feb-16	0.40 J	0.63	0.22 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
	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

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**
5-Oct-15	**50**	0.69	0.38 J	ND<0.5	0.65	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<2
FRW-1 was shut down sometime between October 5 and 20, 2015, and did not operate during the month of November										
5-Nov-15	**53**	3.6	**29**	0.76	0.78	ND<0.5	ND<2	ND<0.5	ND<0.5	1.8 J
3-Dec-15	**24**	2.5	**37**	0.96	0.34 J	0.32 J	ND<2	ND<0.5	ND<0.5	2.7
The FRWs were shut down between December 5, 2015 and December 15, 2015										
6-Jan-16	**170**	1.8	3.2	ND<0.5	2.4	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<2
The FRWs were shut down between February 13, 2016 and February 16, 2016										
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										

ARARs - Applicable Relevant and Appropriate Requirements for aquifer restoration established
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: 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**
5-Oct-15	**29**	1.4	0.30 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3.0
5-Nov-15	**49**	4.2	3.1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.4 J
The FRWs were shut down between November 18 and November 25, 2015.								
3-Dec-15	**37**	**8.1**	**34**	0.83	ND<0.5	ND<0.5	ND<0.5	2.3
The FRWs were shut down between December 5, 2015 and December 15, 2015								
6-Jan-16	**53**	4.3	2.3	0.21 J	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRWs were shut down between February 13, 2016 and February 16, 2016								
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								

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**
5-Oct-15	**24**	1.6	**1.3**	ND<0.5	ND<0.5	ND<0.5	0.36 J	0.59	0.44 J	ND<0.5	ND<0.5	1.1 J
5-Nov-15	**30**	3.6	**49**	0.41 J	ND<0.5	0.30 J	0.29 J	0.49 J	0.22 J	ND<0.5	ND<0.5	1.0 J
The FRWs were shut down between November 18 and November 25, 2015.												
3-Dec-15	**34**	3.8	**96**	0.70	0.29 J	0.38 J	ND<0.5	0.41 J	0.20 J	ND<0.5	ND<0.5	ND<2
The FRWs were shut down between December 5, 2015 and December 15, 2015												
6-Jan-16	**34**	3.1	**15**	0.60	ND<0.5	0.34 J	ND<0.5	1.0	0.48 J	1.3	ND<0.5	ND<2
The FRWs were shut down between February 13, 2016 and February 16, 2016												
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												

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**
11-Sep-15	1.4	ND<0.5	0.61	ND<0.5	ND<0.5	ND<2
5-Oct-15	2.7	ND<0.5	1.1	ND<0.5	ND<0.5	1.0 J
FRW-4 shut down sometime between October 20 and November 5, 2015, and did not operate during the month of November						
5-Nov-15	0.87	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
FRW-4 was restarted on December 3, 2015						
3-Dec-15	2.7	ND<0.5	0.28 J	ND<0.5	ND<0.5	ND<2
The FRWs were shut down between December 5, 2015 and December 15, 2015						
6-Jan-16	2.4	0.37 J	**7.9**	ND<0.5	ND<0.5	ND<2
The FRWs were shut down between February 13, 2016 and February 16, 2016						
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						

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

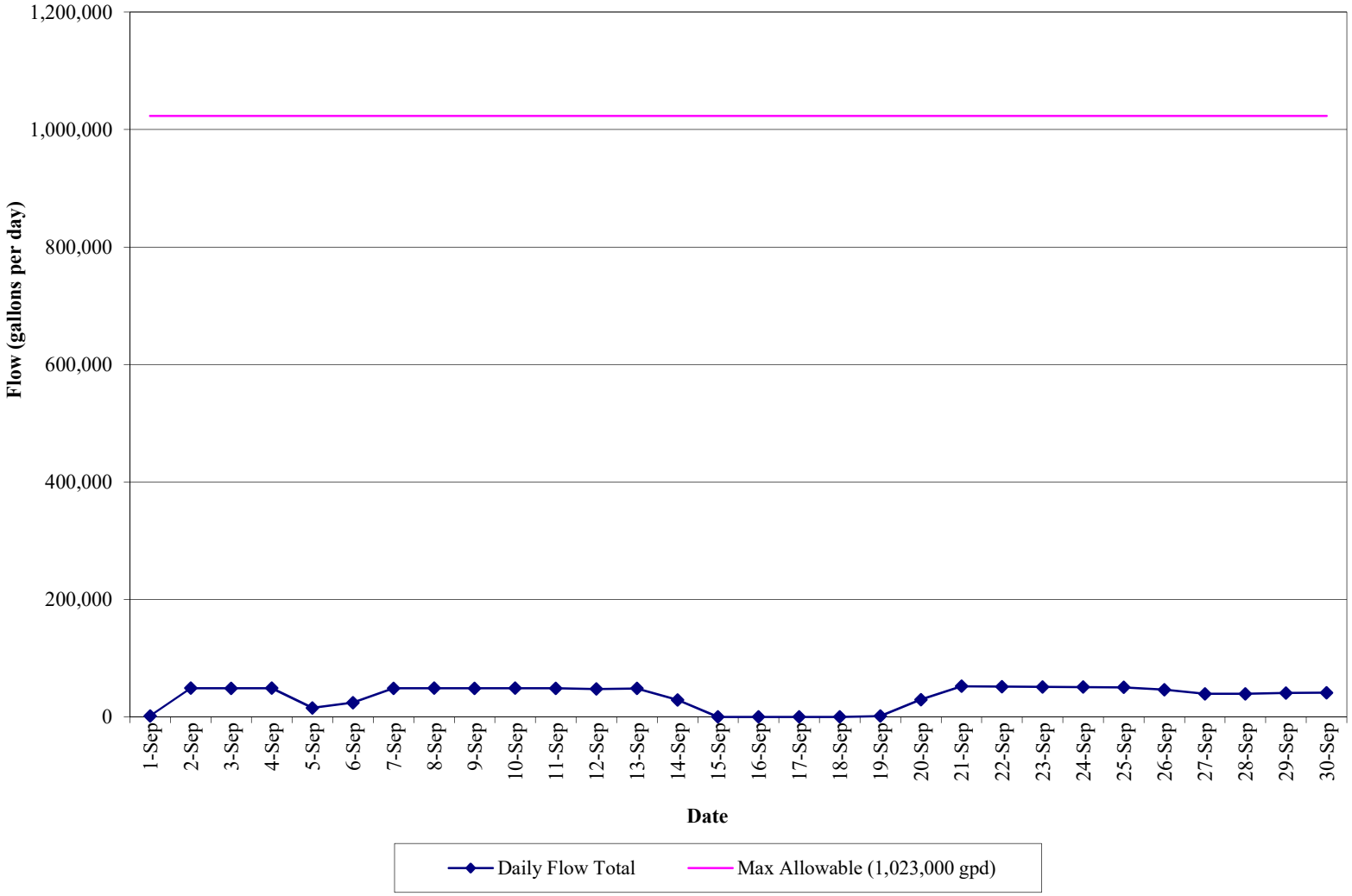
Comments:
As of September 1, 2011 the water samples are analyzed by York Analytical Laboratories, Inc. The laboratory typically uses a reporting limit (RL) for water of 5 ug/l for VOC. York reports detections below 0.5 ug/l as an estimated value; these values are below the RL but greater than or equal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

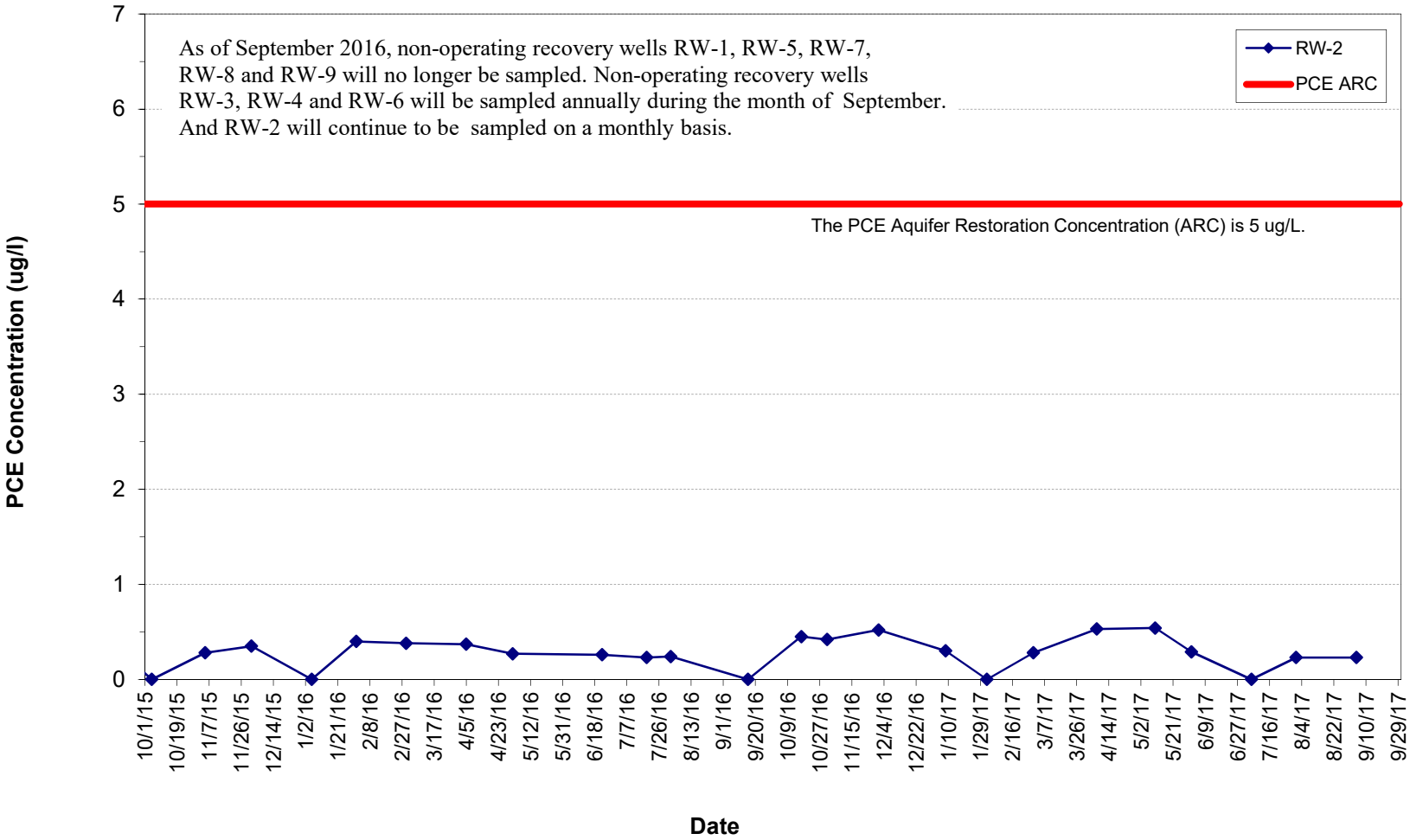
GRAPH 1
GROUNDWATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

Effluent Flow Data
(September 1, 2017 to September 30, 2017)



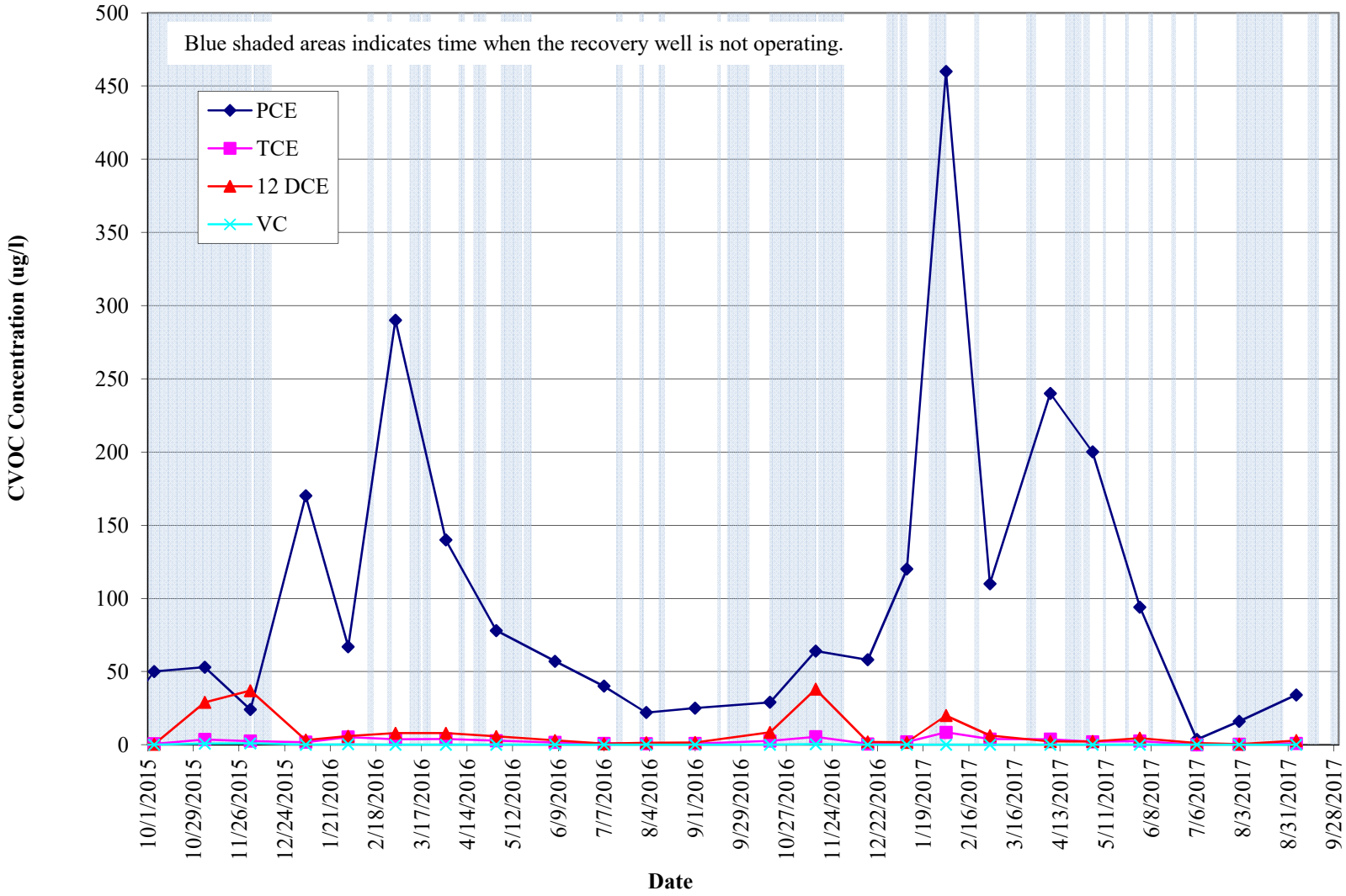
GRAPH 2
GROUNDWATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

FSP&T Recovery Well PCE Concentration

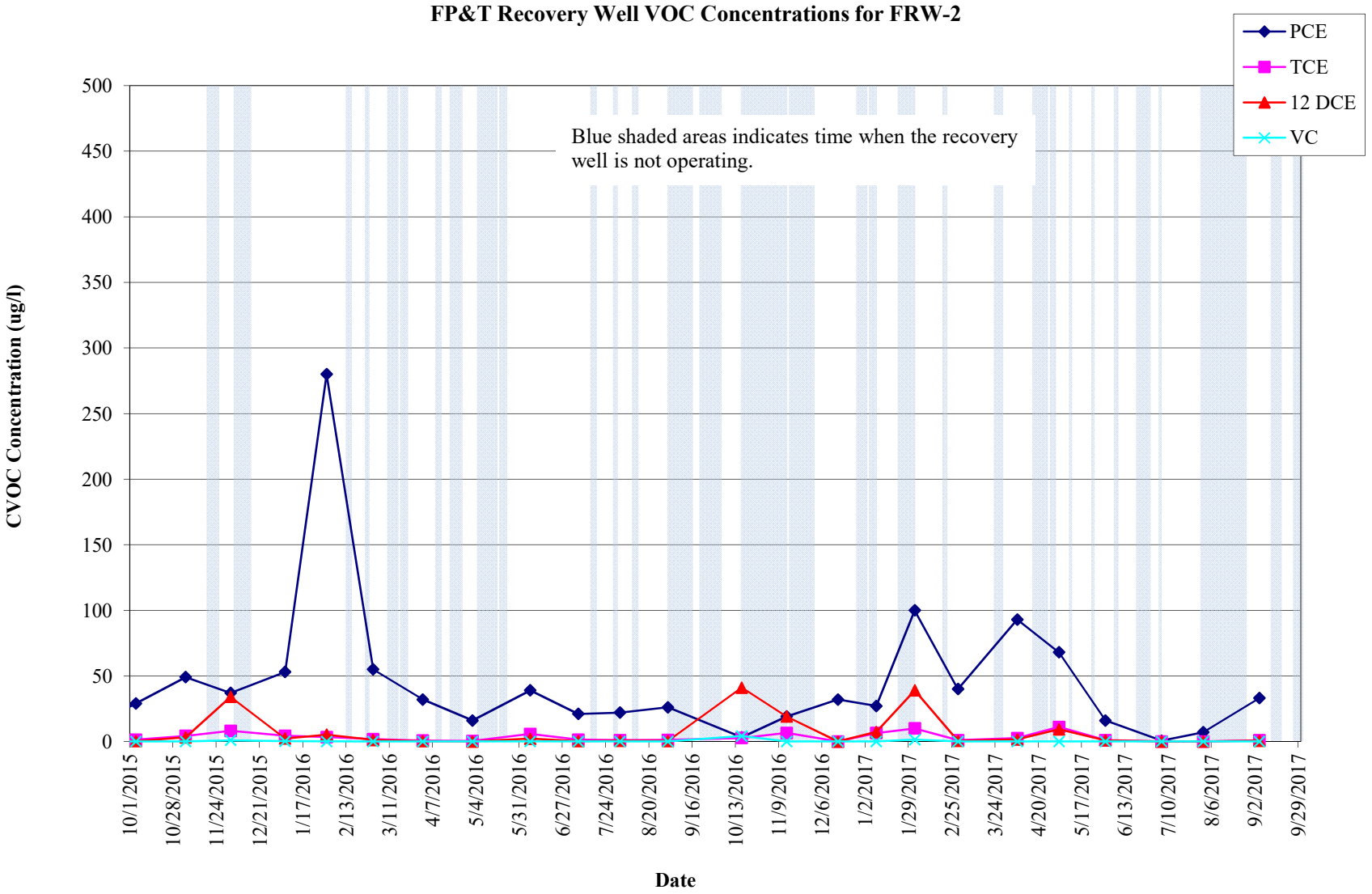


GRAPH 3
GROUNDWATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

FP&T Recovery Well VOC Concentrations for FRW-1

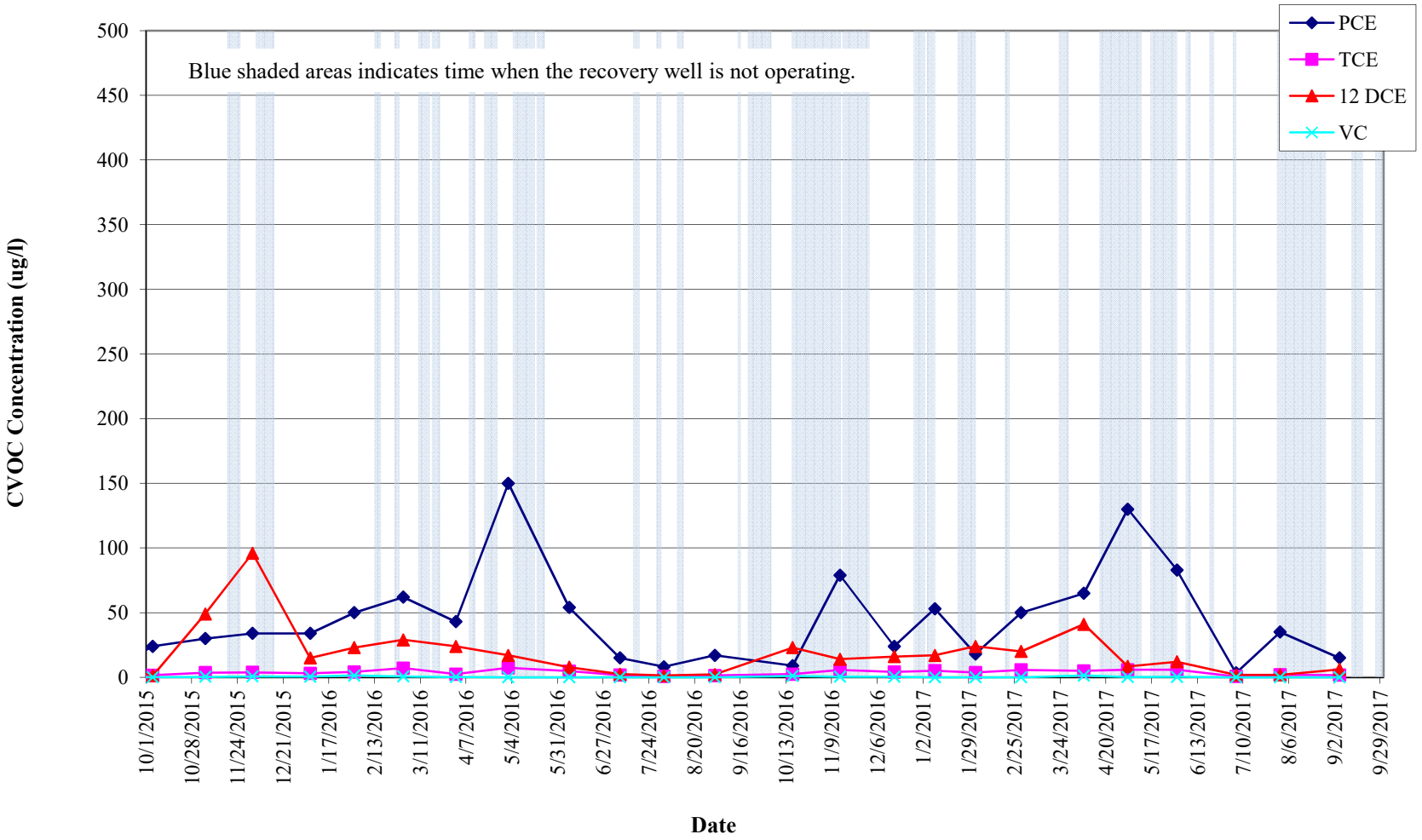


GRAPH 4
GROUNDWATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

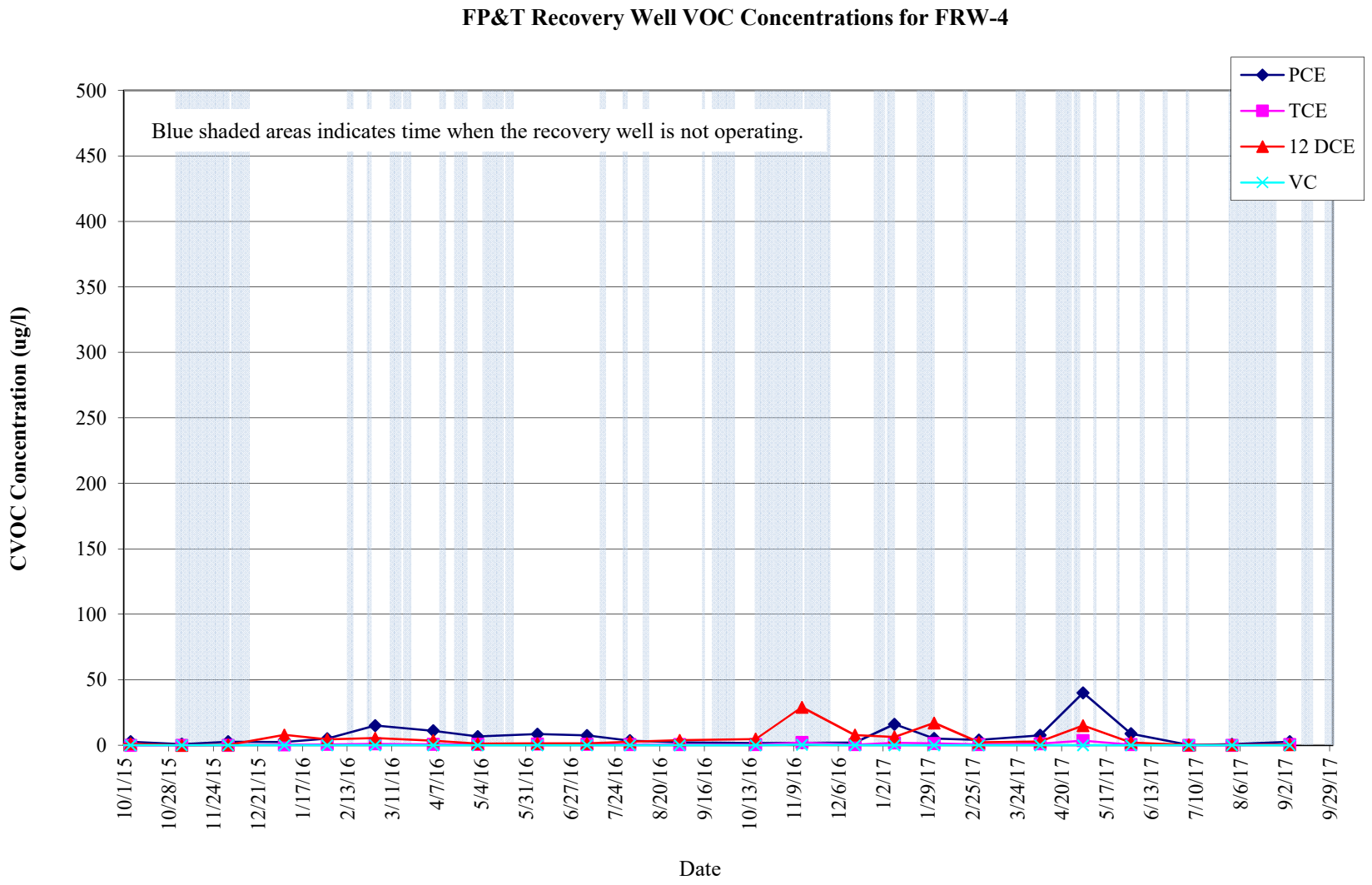


GRAPH 5
GROUNDWATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

FP&T Recovery Well VOC Concentrations for FRW-3



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



APPENDIX I
SEPTEMBER 2017 LABORATORY ANALYTICAL REPORTS
FOR FSP&T SYSTEM

Technical Report

prepared for:

Leggette Brashears & Graham Shelton Office
4 Research Drive, Suite 204
Shelton CT, 06484
Attention: Tunde Komuves-Sandor

Report Date: 09/13/2017
Client Project ID: Rowe Industries
York Project (SDG) No.: 17I0189

CT Cert. No. PH-0723 New Jersey Cert. No. CT005 and NY037 New York Cert. Nos. 10854 and 12058 PA Cert. No. 68-04440

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

Report Date: 09/13/2017
Client Project ID: Rowe Industries
York Project (SDG) No.: 17I0189

Leggette Brashears & Graham Shelton Office
4 Research Drive, Suite 204
Shelton CT, 06484
Attention: Tunde Komuves-Sandor

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on September 07, 2017 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
17I0189-01	WQ090517:1100 NP2-6	Water	09/05/2017	09/07/2017
17I0191-01	WQ090517:1105 NP2-10	Water	09/05/2017	09/07/2017

General Notes for York Project (SDG) No.: 17I0189

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By: 

Date: 09/13/2017

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: WQ090517:1100 NP2-6 **York Sample ID:** 17I0189-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17I0189	Rowe Industries	Water	September 5, 2017 11:00 am	09/07/2017

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:	09/12/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 18:23	SR
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 18:23	SR
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 18:23	SR
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 18:23	SR
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 18:23	SR
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 18:23	SR
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 18:23	SR
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	09/12/2017 18:23	SR
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	09/12/2017 18:23	SR
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	09/12/2017 18:23	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	09/12/2017 18:23	SR
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 18:23	SR
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 18:23	SR
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 18:23	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 18:23	SR
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 18:23	SR
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 18:23	SR
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 18:23	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 18:23	SR
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	09/12/2017 18:23	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 18:23	SR
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	09/12/2017 18:23	SR

Sample Information

Client Sample ID: WQ090517:1100 NP2-6 **York Sample ID:** 17I0189-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17I0189	Rowe Industries	Water	September 5, 2017 11:00 am	09/07/2017

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:	09/12/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 18:23	SR
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 18:23	SR
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 18:23	SR
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	09/12/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 18:23	SR
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 18:23	SR
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	09/12/2017 18:23	SR
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	09/12/2017 18:23	SR
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 18:23	SR
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 18:23	SR
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 18:23	SR
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 18:23	SR
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 18:23	SR
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 18:23	SR
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 18:23	SR
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 18:23	SR
156-59-2	**cis-1,2-Dichloroethylene**	**0.22**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 18:23	SR
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 18:23	SR
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 18:23	SR
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	09/12/2017 18:23	SR
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	09/12/2017 18:23	SR
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 18:23	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	09/12/2017 18:23	SR
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 18:23	SR

Sample Information

Client Sample ID: WQ090517:1100 NP2-6 **York Sample ID:** 17I0189-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17I0189	Rowe Industries	Water	September 5, 2017 11:00 am	09/07/2017

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:	09/12/2017 07:30	09/12/2017 18:23 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	SR
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	09/12/2017 07:30	09/12/2017 18:23 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	SR
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	09/12/2017 07:30	09/12/2017 18:23 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	SR
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30	09/12/2017 18:23 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	SR
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30	09/12/2017 18:23 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	SR
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30	09/12/2017 18:23 CTDOH,NELAC-NY10854,NELAC-NY10854-Qu	SR
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	09/12/2017 07:30	09/12/2017 18:23 CTDOH,NELAC-NY10854,NELAC-NY10854-Qu	SR
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30	09/12/2017 18:23 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	SR
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30	09/12/2017 18:23 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	SR
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30	09/12/2017 18:23 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	SR
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30	09/12/2017 18:23 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	SR
127-18-4	**Tetrachloroethylene**	**1.1**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30	09/12/2017 18:23 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	SR
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30	09/12/2017 18:23 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	SR
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30	09/12/2017 18:23 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	SR
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30	09/12/2017 18:23 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	SR
79-01-6	**Trichloroethylene**	**0.30**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30	09/12/2017 18:23 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	SR
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30	09/12/2017 18:23 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	SR
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30	09/12/2017 18:23 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	SR
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications:	09/12/2017 07:30	09/12/2017 18:23 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	SR

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*101 %*	*69-130*
2037-26-5	*Surrogate: Toluene-d8*	*105 %*	*81-117*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*112 %*	*79-122*

Sample Information

Client Sample ID: WQ090517:1105 NP2-10 **York Sample ID:** 17I0191-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17I0191	Rowe Industries	Water	September 5, 2017 11:05 am	09/07/2017

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: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 07:30	09/12/2017 18:50	SR
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 07:30	09/12/2017 18:50	SR
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 07:30	09/12/2017 18:50	SR
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 07:30	09/12/2017 18:50	SR
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 07:30	09/12/2017 18:50	SR
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 07:30	09/12/2017 18:50	SR
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 07:30	09/12/2017 18:50	SR
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Qu(	09/12/2017 07:30	09/12/2017 18:50	SR
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Qu(	09/12/2017 07:30	09/12/2017 18:50	SR
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Qu(	09/12/2017 07:30	09/12/2017 18:50	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Qu(	09/12/2017 07:30	09/12/2017 18:50	SR
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 07:30	09/12/2017 18:50	SR
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 07:30	09/12/2017 18:50	SR
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 07:30	09/12/2017 18:50	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 07:30	09/12/2017 18:50	SR
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 07:30	09/12/2017 18:50	SR
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 07:30	09/12/2017 18:50	SR
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 07:30	09/12/2017 18:50	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 07:30	09/12/2017 18:50	SR
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Qu(	09/12/2017 07:30	09/12/2017 18:50	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 07:30	09/12/2017 18:50	SR
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Qu(	09/12/2017 07:30	09/12/2017 18:50	SR
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 07:30	09/12/2017 18:50	SR

Sample Information

Client Sample ID: **WQ090517:1105 NP2-10** **York Sample ID:** **17I0191-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17I0191	Rowe Industries	Water	September 5, 2017 11:05 am	09/07/2017

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: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	09/12/2017 07:30	09/12/2017 18:50	SR
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	09/12/2017 07:30	09/12/2017 18:50	SR
67-64-1	**Acetone**	**2.3**		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	09/12/2017 07:30	09/12/2017 18:50	SR
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	09/12/2017 07:30	09/12/2017 18:50	SR
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Qu	09/12/2017 07:30	09/12/2017 18:50	SR
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Qu	09/12/2017 07:30	09/12/2017 18:50	SR
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	09/12/2017 07:30	09/12/2017 18:50	SR
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	09/12/2017 07:30	09/12/2017 18:50	SR
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	09/12/2017 07:30	09/12/2017 18:50	SR
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	09/12/2017 07:30	09/12/2017 18:50	SR
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	09/12/2017 07:30	09/12/2017 18:50	SR
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	09/12/2017 07:30	09/12/2017 18:50	SR
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	09/12/2017 07:30	09/12/2017 18:50	SR
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	09/12/2017 07:30	09/12/2017 18:50	SR
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	09/12/2017 07:30	09/12/2017 18:50	SR
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	09/12/2017 07:30	09/12/2017 18:50	SR
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	09/12/2017 07:30	09/12/2017 18:50	SR
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Qu	09/12/2017 07:30	09/12/2017 18:50	SR
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Qu	09/12/2017 07:30	09/12/2017 18:50	SR
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	09/12/2017 07:30	09/12/2017 18:50	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY10854-Qu	09/12/2017 07:30	09/12/2017 18:50	SR
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	09/12/2017 07:30	09/12/2017 18:50	SR
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1	09/12/2017 07:30	09/12/2017 18:50	SR

Sample Information

Client Sample ID: WQ090517:1105 NP2-10 **York Sample ID:** 17I0191-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17I0191	Rowe Industries	Water	September 5, 2017 11:05 am	09/07/2017

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:	09/12/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 18:50	SR
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	09/12/2017 07:30 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	09/12/2017 18:50	SR
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 18:50	SR
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 18:50	SR
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 CTDOH,NELAC-NY10854,NELAC-NY10854-Qu	09/12/2017 18:50	SR
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	09/12/2017 07:30 CTDOH,NELAC-NY10854,NELAC-NY10854-Qu	09/12/2017 18:50	SR
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 18:50	SR
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 18:50	SR
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 18:50	SR
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 18:50	SR
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 18:50	SR
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 18:50	SR
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 18:50	SR
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 18:50	SR
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 18:50	SR
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 18:50	SR
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 18:50	SR
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications:	09/12/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 18:50	SR

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*100 %*	*69-130*
2037-26-5	*Surrogate: Toluene-d8*	*105 %*	*81-117*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*110 %*	*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: WQ090517:1105 NP2-10 **York Sample ID:** 17I0191-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17I0191	Rowe Industries	Water	September 5, 2017 11:05 am	09/07/2017

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**	**2.12**		mg/L	0.0222	1	EPA 200.7	09/08/2017 09:11	09/08/2017 23:21	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**	**0.0506**		mg/L	0.0222	1	EPA 6010C	09/08/2017 14:04	09/09/2017 00:40	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	**298**		mg/L	10.0	1	SM 2540C	09/07/2017 23:25	09/08/2017 15:36	TJM
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Analytical Batch Summary

Batch ID: BI70279 **Preparation Method:** % Solids Prep **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
17I0191-01	WQ090517:1105 NP2-10	09/07/17
BI70279-BLK1	Blank	09/07/17

Batch ID: BI70303 **Preparation Method:** EPA 200.7 **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
17I0191-01	WQ090517:1105 NP2-10	09/08/17
BI70303-BLK1	Blank	09/08/17
BI70303-SRM1	Reference	09/08/17

Batch ID: BI70330 **Preparation Method:** EPA 3015A **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
17I0191-01	WQ090517:1105 NP2-10	09/08/17
BI70330-BLK1	Blank	09/08/17
BI70330-DUP1	Duplicate	09/08/17
BI70330-MS1	Matrix Spike	09/08/17
BI70330-SRM1	Reference	09/08/17

Batch ID: BI70424 **Preparation Method:** EPA 5030B **Prepared By:** RDS

YORK Sample ID	Client Sample ID	Preparation Date
17I0189-01	WQ090517:1100 NP2-6	09/12/17
17I0191-01	WQ090517:1105 NP2-10	09/12/17
BI70424-BLK1	Blank	09/12/17
BI70424-BS1	LCS	09/12/17
BI70424-BSD1	LCS Dup	09/12/17

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI70424 - EPA 5030B											
Blank (BI70424-BLK1)									Prepared & Analyzed: 09/12/2017		
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,1-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 BI70424 - EPA 5030B											
Blank (BI70424-BLK1)								Prepared & Analyzed: 09/12/2017			
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	*9.99*		*"*	*10.0*		*99.9*	*69-130*				
Surrogate: Toluene-d8	*10.3*		*"*	*10.0*		*103*	*81-117*				
Surrogate: p-Bromofluorobenzene	*11.8*		*"*	*10.0*		*118*	*79-122*				
LCS (BI70424-BS1)								Prepared & Analyzed: 09/12/2017			
1,1,1,2-Tetrachloroethane	9.12		ug/L	10.0		91.2	82-126				
1,1,1-Trichloroethane	9.85		"	10.0		98.5	78-136				
1,1,2,2-Tetrachloroethane	10.5		"	10.0		105	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.79		"	10.0		97.9	54-165				
1,1,2-Trichloroethane	9.16		"	10.0		91.6	82-123				
1,1-Dichloroethane	10.0		"	10.0		100	82-129				
1,1-Dichloroethylene	10.8		"	10.0		108	68-138				
1,1-Dichloropropylene	9.92		"	10.0		99.2	83-133				
1,2,3-Trichlorobenzene	5.79		"	10.0		57.9	76-136	Low Bias			
1,2,3-Trichloropropane	10.6		"	10.0		106	77-128				
1,2,4-Trichlorobenzene	5.78		"	10.0		57.8	76-137	Low Bias			
1,2,4-Trimethylbenzene	10.6		"	10.0		106	82-132				
1,2-Dibromo-3-chloropropane	10.1		"	10.0		101	45-147				
1,2-Dibromoethane	8.98		"	10.0		89.8	83-124				
1,2-Dichlorobenzene	9.26		"	10.0		92.6	79-123				
1,2-Dichloroethane	9.21		"	10.0		92.1	73-132				
1,2-Dichloropropane	9.98		"	10.0		99.8	78-126				
1,3,5-Trimethylbenzene	11.0		"	10.0		110	80-131				
1,3-Dichlorobenzene	9.86		"	10.0		98.6	86-122				
1,3-Dichloropropane	9.32		"	10.0		93.2	81-125				
1,4-Dichlorobenzene	9.68		"	10.0		96.8	85-124				
2,2-Dichloropropane	5.56		"	10.0		55.6	56-150	Low Bias			
2-Chlorotoluene	11.6		"	10.0		116	79-130				
2-Hexanone	9.16		"	10.0		91.6	51-146				
4-Chlorotoluene	11.2		"	10.0		112	79-128				
Acetone	9.04		"	10.0		90.4	14-150				
Benzene	9.75		"	10.0		97.5	85-126				
Bromobenzene	11.0		"	10.0		110	78-129				
Bromochloromethane	10.1		"	10.0		101	77-128				
Bromodichloromethane	9.53		"	10.0		95.3	79-128				
Bromoform	8.04		"	10.0		80.4	78-133				
Bromomethane	4.66		"	10.0		46.6	43-168				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI70424 - EPA 5030B											
LCS (BI70424-BS1)								Prepared & Analyzed: 09/12/2017			
Carbon tetrachloride	9.78		ug/L	10.0		97.8	77-141				
Chlorobenzene	9.57		"	10.0		95.7	88-120				
Chloroethane	10.2		"	10.0		102	65-136				
Chloroform	9.03		"	10.0		90.3	82-128				
Chloromethane	9.18		"	10.0		91.8	43-155				
cis-1,2-Dichloroethylene	9.63		"	10.0		96.3	83-129				
cis-1,3-Dichloropropylene	8.58		"	10.0		85.8	80-131				
Dibromochloromethane	8.84		"	10.0		88.4	80-130				
Dibromomethane	9.29		"	10.0		92.9	72-134				
Dichlorodifluoromethane	8.34		"	10.0		83.4	44-144				
Ethyl Benzene	10.2		"	10.0		102	80-131				
Hexachlorobutadiene	4.14		"	10.0		41.4	67-146	Low Bias			
Isopropylbenzene	11.2		"	10.0		112	76-140				
Methyl tert-butyl ether (MTBE)	8.65		"	10.0		86.5	76-135				
Methylene chloride	9.73		"	10.0		97.3	55-137				
Naphthalene	7.27		"	10.0		72.7	70-147				
n-Butylbenzene	8.01		"	10.0		80.1	79-132				
n-Propylbenzene	11.4		"	10.0		114	78-133				
o-Xylene	9.58		"	10.0		95.8	78-130				
p- & m- Xylenes	21.1		"	20.0		105	77-133				
p-Isopropyltoluene	9.18		"	10.0		91.8	81-136				
sec-Butylbenzene	9.26		"	10.0		92.6	79-137				
Styrene	9.10		"	10.0		91.0	67-132				
tert-Butylbenzene	10.0		"	10.0		100	77-138				
Tetrachloroethylene	11.6		"	10.0		116	82-131				
Toluene	10.3		"	10.0		103	80-127				
trans-1,2-Dichloroethylene	10.0		"	10.0		100	80-132				
trans-1,3-Dichloropropylene	8.43		"	10.0		84.3	78-131				
Trichloroethylene	10.2		"	10.0		102	82-128				
Trichlorofluoromethane	9.84		"	10.0		98.4	67-139				
Vinyl Chloride	9.70		"	10.0		97.0	58-145				
Surrogate: 1,2-Dichloroethane-d4	*9.50*		*"*	*10.0*		*95.0*	*69-130*				
Surrogate: Toluene-d8	*10.7*		*"*	*10.0*		*107*	*81-117*				
Surrogate: p-Bromofluorobenzene	*11.7*		*"*	*10.0*		*117*	*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 BI70424 - EPA 5030B											
LCS Dup (BI70424-BSD1)								Prepared & Analyzed: 09/12/2017			
1,1,1,2-Tetrachloroethane	9.37		ug/L	10.0		93.7	82-126		2.70	30	
1,1,1-Trichloroethane	9.72		"	10.0		97.2	78-136		1.33	30	
1,1,2,2-Tetrachloroethane	10.8		"	10.0		108	76-129		3.20	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.6		"	10.0		106	54-165		7.66	30	
1,1,2-Trichloroethane	9.73		"	10.0		97.3	82-123		6.03	30	
1,1-Dichloroethane	10.0		"	10.0		100	82-129		0.299	30	
1,1-Dichloroethylene	11.1		"	10.0		111	68-138		2.66	30	
1,1-Dichloropropylene	9.82		"	10.0		98.2	83-133		1.01	30	
1,2,3-Trichlorobenzene	6.88		"	10.0		68.8	76-136	Low Bias	17.2	30	
1,2,3-Trichloropropane	11.2		"	10.0		112	77-128		5.50	30	
1,2,4-Trichlorobenzene	6.54		"	10.0		65.4	76-137	Low Bias	12.3	30	
1,2,4-Trimethylbenzene	10.3		"	10.0		103	82-132		3.25	30	
1,2-Dibromo-3-chloropropane	11.1		"	10.0		111	45-147		9.32	30	
1,2-Dibromoethane	9.69		"	10.0		96.9	83-124		7.61	30	
1,2-Dichlorobenzene	9.60		"	10.0		96.0	79-123		3.61	30	
1,2-Dichloroethane	9.97		"	10.0		99.7	73-132		7.92	30	
1,2-Dichloropropane	9.96		"	10.0		99.6	78-126		0.201	30	
1,3,5-Trimethylbenzene	10.4		"	10.0		104	80-131		5.81	30	
1,3-Dichlorobenzene	9.76		"	10.0		97.6	86-122		1.02	30	
1,3-Dichloropropane	9.91		"	10.0		99.1	81-125		6.14	30	
1,4-Dichlorobenzene	9.94		"	10.0		99.4	85-124		2.65	30	
2,2-Dichloropropane	5.40		"	10.0		54.0	56-150	Low Bias	2.92	30	
2-Chlorotoluene	11.0		"	10.0		110	79-130		4.51	30	
2-Hexanone	10.4		"	10.0		104	51-146		12.5	30	
4-Chlorotoluene	10.8		"	10.0		108	79-128		4.28	30	
Acetone	9.11		"	10.0		91.1	14-150		0.771	30	
Benzene	9.76		"	10.0		97.6	85-126		0.103	30	
Bromobenzene	11.0		"	10.0		110	78-129		0.818	30	
Bromochloromethane	10.6		"	10.0		106	77-128		5.01	30	
Bromodichloromethane	9.86		"	10.0		98.6	79-128		3.40	30	
Bromoform	9.03		"	10.0		90.3	78-133		11.6	30	
Bromomethane	4.06		"	10.0		40.6	43-168	Low Bias	13.8	30	
Carbon tetrachloride	9.64		"	10.0		96.4	77-141		1.44	30	
Chlorobenzene	9.51		"	10.0		95.1	88-120		0.629	30	
Chloroethane	9.81		"	10.0		98.1	65-136		4.00	30	
Chloroform	9.64		"	10.0		96.4	82-128		6.53	30	
Chloromethane	8.95		"	10.0		89.5	43-155		2.54	30	
cis-1,2-Dichloroethylene	9.60		"	10.0		96.0	83-129		0.312	30	
cis-1,3-Dichloropropylene	9.01		"	10.0		90.1	80-131		4.89	30	
Dibromochloromethane	9.40		"	10.0		94.0	80-130		6.14	30	
Dibromomethane	9.88		"	10.0		98.8	72-134		6.16	30	
Dichlorodifluoromethane	8.23		"	10.0		82.3	44-144		1.33	30	
Ethyl Benzene	9.98		"	10.0		99.8	80-131		2.28	30	
Hexachlorobutadiene	4.55		"	10.0		45.5	67-146	Low Bias	9.44	30	
Isopropylbenzene	10.6		"	10.0		106	76-140		5.12	30	
Methyl tert-butyl ether (MTBE)	9.84		"	10.0		98.4	76-135		12.9	30	
Methylene chloride	10.0		"	10.0		100	55-137		3.24	30	
Naphthalene	8.36		"	10.0		83.6	70-147		13.9	30	
n-Butylbenzene	7.97		"	10.0		79.7	79-132		0.501	30	
n-Propylbenzene	10.8		"	10.0		108	78-133		5.24	30	
o-Xylene	9.61		"	10.0		96.1	78-130		0.313	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 BI70424 - EPA 5030B											
LCS Dup (BI70424-BSD1)								Prepared & Analyzed: 09/12/2017			
p- & m- Xylenes	20.6		ug/L	20.0		103	77-133		2.50	30	
p-Isopropyltoluene	8.98		"	10.0		89.8	81-136		2.20	30	
sec-Butylbenzene	9.08		"	10.0		90.8	79-137		1.96	30	
Styrene	9.38		"	10.0		93.8	67-132		3.03	30	
tert-Butylbenzene	9.79		"	10.0		97.9	77-138		2.42	30	
Tetrachloroethylene	13.3		"	10.0		133	82-131	High Bias	13.8	30	
Toluene	10.0		"	10.0		100	80-127		2.75	30	
trans-1,2-Dichloroethylene	9.83		"	10.0		98.3	80-132		1.91	30	
trans-1,3-Dichloropropylene	8.92		"	10.0		89.2	78-131		5.65	30	
Trichloroethylene	9.88		"	10.0		98.8	82-128		3.58	30	
Trichlorofluoromethane	9.57		"	10.0		95.7	67-139		2.78	30	
Vinyl Chloride	9.43		"	10.0		94.3	58-145		2.82	30	
Surrogate: 1,2-Dichloroethane-d4	*9.88*		*"*	*10.0*		*98.8*	*69-130*				
Surrogate: Toluene-d8	*10.3*		*"*	*10.0*		*103*	*81-117*				
Surrogate: p-Bromofluorobenzene	*11.3*		*"*	*10.0*		*113*	*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 BI70303 - EPA 200.7											
Blank (BI70303-BLK1)								Prepared & Analyzed: 09/08/2017			
Iron	ND	0.0222	mg/L								
Reference (BI70303-SRM1)								Prepared & Analyzed: 09/08/2017			
Iron	0.854		ug/mL	0.900		94.9	84.9-115				
Batch BI70330 - EPA 3015A											
Blank (BI70330-BLK1)								Prepared: 09/08/2017 Analyzed: 09/09/2017			
Iron - Dissolved	ND	0.0222	mg/L								
Duplicate (BI70330-DUP1)	*Source sample: 17I0191-01 (WQ090517:1105 NP2-10)							Prepared: 09/08/2017 Analyzed: 09/09/2017			
Iron - Dissolved	0.0701	0.0222	mg/L		0.0506				32.3	20	Non-dir.
Matrix Spike (BI70330-MS1)	*Source sample: 17I0191-01 (WQ090517:1105 NP2-10)							Prepared: 09/08/2017 Analyzed: 09/09/2017			
Iron - Dissolved	1.12	0.0222	mg/L	1.11	0.0506	96.1	75-125				
Reference (BI70330-SRM1)								Prepared: 09/08/2017 Analyzed: 09/09/2017			
Iron - Dissolved	0.827		ug/mL	0.900		91.9	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 BI70279 - % Solids Prep											
Blank (BI70279-BLK1)											Prepared: 09/07/2017 Analyzed: 09/08/2017
Total Dissolved Solids	ND	10.0	mg/L								

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
17I0189-01	WQ090517:1100 NP2-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
17I0191-01	WQ090517:1105 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.
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.

Definitions and Other Explanations

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

YORK
ANALYTICAL LABORATORIES, INC.

120 RESEARCH 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. 17I0189

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

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 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)

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	Ignitr.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)
WQ090517: 1100 NP2-6	9-5-17	GW	[redacted] VOCs, 8260 List (EPA SW846-8260B) plus from 113	3 vox's
WQ090517: 1105 NP2-10	9-5-17	GW	Fe by EPA 200.7/Fe, Dissolved by EPA 6010(SW846-6010B)/VOCs 8260 List (EPA SW846-8260A) plus from 113 / TDS (SM 2540c)	3 vox's, 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: 9/6/17 800
Samples Relinquished By — Date/Time:

Samples Received By: LBG Fridge — Date/Time: 9/6/17 800
Samples Received in LAB by: PGrace — Date/Time: 9-7-17 1512

Temperature on Receipt 2.2 °C

Rec'd 1st 9/7/17 13:27 (system)

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. 17I0191

YOUR Information
Company: LBG
Address: 4 Research Dr, Suite 301 Shelton, CT 06484
Phone No. 203-929-8555
Contact Person. Tunde Sandor
E-Mail Address: TSandor@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 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	Part 360-Routine	Heterotrophs
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part 360-Baseline	TOX
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part 360-Expanded (No Dissolved Metals)	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	Ionizable 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)
WQ090517:1100 NP2-6	9-5-17	GW	[redacted] VOCs, 8260 List (EPA SW846-8260b) plus freon 113	3 vaa's
[redacted]		[redacted]		
WQC90517:1105 NP2-10	9-5-17	GW	Fe by EPA 200.7 / Fe, Dissolved by EPA 6010 (SW846-6010B) / VOCs 8260 List (EPA SW846-8260A) plus freon 113 / TDS (SM 2540c)	3 vaa's, 3 plastic

Comments

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

4°C ✓ Frozen ___ HCl ✓ MeOH ___ HNO_3 ✓ H_2SO_4 ___ NaOH ___
ZnAc Ascorbic Acid Other

Samples Relinquished By — Date/Time: 9/6/17 800
Samples Relinquished By — Date/Time:

Samples Received By: LBG Fridge — Date/Time: 9/6/17 800
Samples Received in LAB by: PGrace — Date/Time: 9-7-17 1512

Temperature on Receipt 2.2 °C

Rec'd 9/7/17 13:27 (system)

APPENDIX II
SEPTEMBER 2017 LABORATORY ANALYTICAL REPORTS
FOR FSP&T AND FP&T RECOVERY WELLS

Technical Report

prepared for:

Leggette Brashears & Graham Shelton Office
4 Research Drive, Suite 204
Shelton CT, 06484
Attention: Tunde Komuves-Sandor

Report Date: 09/13/2017
Client Project ID: Rowe Industries
York Project (SDG) No.: 17I0195

Report Date: 09/13/2017
Client Project ID: Rowe Industries
York Project (SDG) No.: 17I0195

Leggette Brashears & Graham Shelton Office
4 Research Drive, Suite 204
Shelton CT, 06484
Attention: Tunde Komuves-Sandor

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on September 07, 2017 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
17I0195-01	WQ090517:1110 NP1-1-2	Water	09/05/2017	09/07/2017

General Notes for York Project (SDG) No.: 17I0195

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By: 

Date: 09/13/2017

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: WQ090517:1110 NP1-1-2 **York Sample ID:** 17I0195-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17I0195	Rowe Industries	Water	September 5, 2017 11:10 am	09/07/2017

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:	09/12/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 19:18	SR
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 19:18	SR
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 19:18	SR
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 19:18	SR
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 19:18	SR
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 19:18	SR
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 19:18	SR
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	09/12/2017 19:18	SR
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	09/12/2017 19:18	SR
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	09/12/2017 19:18	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	09/12/2017 19:18	SR
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 19:18	SR
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 19:18	SR
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 19:18	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 19:18	SR
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 19:18	SR
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 19:18	SR
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 19:18	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 19:18	SR
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	09/12/2017 19:18	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 19:18	SR
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	09/12/2017 19:18	SR

Sample Information

Client Sample ID: WQ090517:1110 NP1-1-2 **York Sample ID:** 17I0195-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17I0195	Rowe Industries	Water	September 5, 2017 11:10 am	09/07/2017

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:	09/12/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 19:18	SR
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 19:18	SR
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 19:18	SR
67-64-1	**Acetone**	**1.5**	J	ug/L	1.0	2.0	1	EPA 8260C Certifications:	09/12/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 19:18	SR
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 19:18	SR
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	09/12/2017 19:18	SR
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	09/12/2017 19:18	SR
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 19:18	SR
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 19:18	SR
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 19:18	SR
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 19:18	SR
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 19:18	SR
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 19:18	SR
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 19:18	SR
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 19:18	SR
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 19:18	SR
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 19:18	SR
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 19:18	SR
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	09/12/2017 19:18	SR
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	09/12/2017 19:18	SR
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 19:18	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	09/12/2017 19:18	SR
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/12/2017 19:18	SR

Sample Information

Client Sample ID: WQ090517:1110 NP1-1-2 **York Sample ID:** 17I0195-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17I0195	Rowe Industries	Water	September 5, 2017 11:10 am	09/07/2017

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:	09/12/2017 07:30	09/12/2017 19:18	SR CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	09/12/2017 07:30	09/12/2017 19:18	SR CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	09/12/2017 07:30	09/12/2017 19:18	SR NELAC-NY10854,NJDEP,NELAC-NY10854-Que
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30	09/12/2017 19:18	SR CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30	09/12/2017 19:18	SR CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30	09/12/2017 19:18	SR CTDOH,NELAC-NY10854,NELAC-NY10854-Qu
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	09/12/2017 07:30	09/12/2017 19:18	SR CTDOH,NELAC-NY10854,NELAC-NY10854-Qu
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30	09/12/2017 19:18	SR CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30	09/12/2017 19:18	SR CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30	09/12/2017 19:18	SR CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30	09/12/2017 19:18	SR CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(
127-18-4	**Tetrachloroethylene**	**0.23**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30	09/12/2017 19:18	SR CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30	09/12/2017 19:18	SR CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30	09/12/2017 19:18	SR CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30	09/12/2017 19:18	SR CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(
79-01-6	**Trichloroethylene**	**0.32**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30	09/12/2017 19:18	SR CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30	09/12/2017 19:18	SR CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 07:30	09/12/2017 19:18	SR CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications:	09/12/2017 07:30	09/12/2017 19:18	SR CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*99.5 %*	*69-130*
2037-26-5	*Surrogate: Toluene-d8*	*105 %*	*81-117*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*110 %*	*79-122*

Analytical Batch Summary

Batch ID: BI70424 **Preparation Method:** EPA 5030B **Prepared By:** RDS

YORK Sample ID	Client Sample ID	Preparation Date
17I0195-01	WQ090517:1110 NP1-1-2	09/12/17
BI70424-BLK1	Blank	09/12/17
BI70424-BS1	LCS	09/12/17
BI70424-BSD1	LCS Dup	09/12/17

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI70424 - EPA 5030B											
Blank (BI70424-BLK1)									Prepared & Analyzed: 09/12/2017		
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,1-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 BI70424 - EPA 5030B											
Blank (BI70424-BLK1)								Prepared & Analyzed: 09/12/2017			
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	*9.99*		*"*	*10.0*		*99.9*	*69-130*				
Surrogate: Toluene-d8	*10.3*		*"*	*10.0*		*103*	*81-117*				
Surrogate: p-Bromofluorobenzene	*11.8*		*"*	*10.0*		*118*	*79-122*				
LCS (BI70424-BS1)								Prepared & Analyzed: 09/12/2017			
1,1,1,2-Tetrachloroethane	9.12		ug/L	10.0		91.2	82-126				
1,1,1-Trichloroethane	9.85		"	10.0		98.5	78-136				
1,1,2,2-Tetrachloroethane	10.5		"	10.0		105	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.79		"	10.0		97.9	54-165				
1,1,2-Trichloroethane	9.16		"	10.0		91.6	82-123				
1,1-Dichloroethane	10.0		"	10.0		100	82-129				
1,1-Dichloroethylene	10.8		"	10.0		108	68-138				
1,1-Dichloropropylene	9.92		"	10.0		99.2	83-133				
1,2,3-Trichlorobenzene	5.79		"	10.0		57.9	76-136	Low Bias			
1,2,3-Trichloropropane	10.6		"	10.0		106	77-128				
1,2,4-Trichlorobenzene	5.78		"	10.0		57.8	76-137	Low Bias			
1,2,4-Trimethylbenzene	10.6		"	10.0		106	82-132				
1,2-Dibromo-3-chloropropane	10.1		"	10.0		101	45-147				
1,2-Dibromoethane	8.98		"	10.0		89.8	83-124				
1,2-Dichlorobenzene	9.26		"	10.0		92.6	79-123				
1,2-Dichloroethane	9.21		"	10.0		92.1	73-132				
1,2-Dichloropropane	9.98		"	10.0		99.8	78-126				
1,3,5-Trimethylbenzene	11.0		"	10.0		110	80-131				
1,3-Dichlorobenzene	9.86		"	10.0		98.6	86-122				
1,3-Dichloropropane	9.32		"	10.0		93.2	81-125				
1,4-Dichlorobenzene	9.68		"	10.0		96.8	85-124				
2,2-Dichloropropane	5.56		"	10.0		55.6	56-150	Low Bias			
2-Chlorotoluene	11.6		"	10.0		116	79-130				
2-Hexanone	9.16		"	10.0		91.6	51-146				
4-Chlorotoluene	11.2		"	10.0		112	79-128				
Acetone	9.04		"	10.0		90.4	14-150				
Benzene	9.75		"	10.0		97.5	85-126				
Bromobenzene	11.0		"	10.0		110	78-129				
Bromochloromethane	10.1		"	10.0		101	77-128				
Bromodichloromethane	9.53		"	10.0		95.3	79-128				
Bromoform	8.04		"	10.0		80.4	78-133				
Bromomethane	4.66		"	10.0		46.6	43-168				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI70424 - EPA 5030B											
LCS (BI70424-BS1)								Prepared & Analyzed: 09/12/2017			
Carbon tetrachloride	9.78		ug/L	10.0		97.8	77-141				
Chlorobenzene	9.57		"	10.0		95.7	88-120				
Chloroethane	10.2		"	10.0		102	65-136				
Chloroform	9.03		"	10.0		90.3	82-128				
Chloromethane	9.18		"	10.0		91.8	43-155				
cis-1,2-Dichloroethylene	9.63		"	10.0		96.3	83-129				
cis-1,3-Dichloropropylene	8.58		"	10.0		85.8	80-131				
Dibromochloromethane	8.84		"	10.0		88.4	80-130				
Dibromomethane	9.29		"	10.0		92.9	72-134				
Dichlorodifluoromethane	8.34		"	10.0		83.4	44-144				
Ethyl Benzene	10.2		"	10.0		102	80-131				
Hexachlorobutadiene	4.14		"	10.0		41.4	67-146	Low Bias			
Isopropylbenzene	11.2		"	10.0		112	76-140				
Methyl tert-butyl ether (MTBE)	8.65		"	10.0		86.5	76-135				
Methylene chloride	9.73		"	10.0		97.3	55-137				
Naphthalene	7.27		"	10.0		72.7	70-147				
n-Butylbenzene	8.01		"	10.0		80.1	79-132				
n-Propylbenzene	11.4		"	10.0		114	78-133				
o-Xylene	9.58		"	10.0		95.8	78-130				
p- & m- Xylenes	21.1		"	20.0		105	77-133				
p-Isopropyltoluene	9.18		"	10.0		91.8	81-136				
sec-Butylbenzene	9.26		"	10.0		92.6	79-137				
Styrene	9.10		"	10.0		91.0	67-132				
tert-Butylbenzene	10.0		"	10.0		100	77-138				
Tetrachloroethylene	11.6		"	10.0		116	82-131				
Toluene	10.3		"	10.0		103	80-127				
trans-1,2-Dichloroethylene	10.0		"	10.0		100	80-132				
trans-1,3-Dichloropropylene	8.43		"	10.0		84.3	78-131				
Trichloroethylene	10.2		"	10.0		102	82-128				
Trichlorofluoromethane	9.84		"	10.0		98.4	67-139				
Vinyl Chloride	9.70		"	10.0		97.0	58-145				
Surrogate: 1,2-Dichloroethane-d4	*9.50*		*"*	*10.0*		*95.0*	*69-130*				
Surrogate: Toluene-d8	*10.7*		*"*	*10.0*		*107*	*81-117*				
Surrogate: p-Bromofluorobenzene	*11.7*		*"*	*10.0*		*117*	*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 BI70424 - EPA 5030B											
LCS Dup (BI70424-BSD1)								Prepared & Analyzed: 09/12/2017			
1,1,1,2-Tetrachloroethane	9.37		ug/L	10.0		93.7	82-126		2.70	30	
1,1,1-Trichloroethane	9.72		"	10.0		97.2	78-136		1.33	30	
1,1,2,2-Tetrachloroethane	10.8		"	10.0		108	76-129		3.20	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.6		"	10.0		106	54-165		7.66	30	
1,1,2-Trichloroethane	9.73		"	10.0		97.3	82-123		6.03	30	
1,1-Dichloroethane	10.0		"	10.0		100	82-129		0.299	30	
1,1-Dichloroethylene	11.1		"	10.0		111	68-138		2.66	30	
1,1-Dichloropropylene	9.82		"	10.0		98.2	83-133		1.01	30	
1,2,3-Trichlorobenzene	6.88		"	10.0		68.8	76-136	Low Bias	17.2	30	
1,2,3-Trichloropropane	11.2		"	10.0		112	77-128		5.50	30	
1,2,4-Trichlorobenzene	6.54		"	10.0		65.4	76-137	Low Bias	12.3	30	
1,2,4-Trimethylbenzene	10.3		"	10.0		103	82-132		3.25	30	
1,2-Dibromo-3-chloropropane	11.1		"	10.0		111	45-147		9.32	30	
1,2-Dibromoethane	9.69		"	10.0		96.9	83-124		7.61	30	
1,2-Dichlorobenzene	9.60		"	10.0		96.0	79-123		3.61	30	
1,2-Dichloroethane	9.97		"	10.0		99.7	73-132		7.92	30	
1,2-Dichloropropane	9.96		"	10.0		99.6	78-126		0.201	30	
1,3,5-Trimethylbenzene	10.4		"	10.0		104	80-131		5.81	30	
1,3-Dichlorobenzene	9.76		"	10.0		97.6	86-122		1.02	30	
1,3-Dichloropropane	9.91		"	10.0		99.1	81-125		6.14	30	
1,4-Dichlorobenzene	9.94		"	10.0		99.4	85-124		2.65	30	
2,2-Dichloropropane	5.40		"	10.0		54.0	56-150	Low Bias	2.92	30	
2-Chlorotoluene	11.0		"	10.0		110	79-130		4.51	30	
2-Hexanone	10.4		"	10.0		104	51-146		12.5	30	
4-Chlorotoluene	10.8		"	10.0		108	79-128		4.28	30	
Acetone	9.11		"	10.0		91.1	14-150		0.771	30	
Benzene	9.76		"	10.0		97.6	85-126		0.103	30	
Bromobenzene	11.0		"	10.0		110	78-129		0.818	30	
Bromochloromethane	10.6		"	10.0		106	77-128		5.01	30	
Bromodichloromethane	9.86		"	10.0		98.6	79-128		3.40	30	
Bromoform	9.03		"	10.0		90.3	78-133		11.6	30	
Bromomethane	4.06		"	10.0		40.6	43-168	Low Bias	13.8	30	
Carbon tetrachloride	9.64		"	10.0		96.4	77-141		1.44	30	
Chlorobenzene	9.51		"	10.0		95.1	88-120		0.629	30	
Chloroethane	9.81		"	10.0		98.1	65-136		4.00	30	
Chloroform	9.64		"	10.0		96.4	82-128		6.53	30	
Chloromethane	8.95		"	10.0		89.5	43-155		2.54	30	
cis-1,2-Dichloroethylene	9.60		"	10.0		96.0	83-129		0.312	30	
cis-1,3-Dichloropropylene	9.01		"	10.0		90.1	80-131		4.89	30	
Dibromochloromethane	9.40		"	10.0		94.0	80-130		6.14	30	
Dibromomethane	9.88		"	10.0		98.8	72-134		6.16	30	
Dichlorodifluoromethane	8.23		"	10.0		82.3	44-144		1.33	30	
Ethyl Benzene	9.98		"	10.0		99.8	80-131		2.28	30	
Hexachlorobutadiene	4.55		"	10.0		45.5	67-146	Low Bias	9.44	30	
Isopropylbenzene	10.6		"	10.0		106	76-140		5.12	30	
Methyl tert-butyl ether (MTBE)	9.84		"	10.0		98.4	76-135		12.9	30	
Methylene chloride	10.0		"	10.0		100	55-137		3.24	30	
Naphthalene	8.36		"	10.0		83.6	70-147		13.9	30	
n-Butylbenzene	7.97		"	10.0		79.7	79-132		0.501	30	
n-Propylbenzene	10.8		"	10.0		108	78-133		5.24	30	
o-Xylene	9.61		"	10.0		96.1	78-130		0.313	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 BI70424 - EPA 5030B											
LCS Dup (BI70424-BSD1)								Prepared & Analyzed: 09/12/2017			
p- & m- Xylenes	20.6		ug/L	20.0		103	77-133		2.50	30	
p-Isopropyltoluene	8.98		"	10.0		89.8	81-136		2.20	30	
sec-Butylbenzene	9.08		"	10.0		90.8	79-137		1.96	30	
Styrene	9.38		"	10.0		93.8	67-132		3.03	30	
tert-Butylbenzene	9.79		"	10.0		97.9	77-138		2.42	30	
Tetrachloroethylene	13.3		"	10.0		133	82-131	High Bias	13.8	30	
Toluene	10.0		"	10.0		100	80-127		2.75	30	
trans-1,2-Dichloroethylene	9.83		"	10.0		98.3	80-132		1.91	30	
trans-1,3-Dichloropropylene	8.92		"	10.0		89.2	78-131		5.65	30	
Trichloroethylene	9.88		"	10.0		98.8	82-128		3.58	30	
Trichlorofluoromethane	9.57		"	10.0		95.7	67-139		2.78	30	
Vinyl Chloride	9.43		"	10.0		94.3	58-145		2.82	30	
Surrogate: 1,2-Dichloroethane-d4	*9.88*		*"*	*10.0*		*98.8*	*69-130*				
Surrogate: Toluene-d8	*10.3*		*"*	*10.0*		*103*	*81-117*				
Surrogate: p-Bromofluorobenzene	*11.3*		*"*	*10.0*		*113*	*79-122*				

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
17I0195-01	WQ090517:1110 NP1-1-2	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.
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.

Definitions and Other Explanations

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

YORK
ANALYTICAL LABORATORIES, INC.

120 RESEARCH 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. 171019C

YOUR Information
Company: LBG
Address: 4 Research Dr, Suite 301 Shelton, CT 06484
Phone No. 203-929-8555
Contact Person: Tunde Sandor
E-Mail Address: TSandor@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 Foltz
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	8081Peat	PP13 list	TPH DRO	TCL Organics	Reactivity
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL MetCN	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.
Aroun. 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

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
HQ090517:1110 NP1:1-2	9-5-17	GW	VOC 8260 full list (EPA SW846-8260B) plus freon 113	3 voa's

Comments

Preservation Check those Applicable
4°C X Frozen ___ HCl ___ MeOH ___ HNO_3 ___ H_2SO_4 ___ NaOH ___
ZnAc ___ Ascorbic Acid ___ Other ___

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Samples Relinquished By: [signature] 9/6/17 F00 Date/Time
Samples Relinquished By: ___ Date/Time

Samples Received By: LBG Fridge 9/6/17 800 Date/Time
Samples Received in LAB by: Grace 9-7-17 1512 Date/Time

Temperature on Receipt 2.2 °C

Rec'd 1A 9/7/17 13:27

(RW & FRW)

Technical Report

prepared for:

Leggette Brashears & Graham Shelton Office
4 Research Drive, Suite 204
Shelton CT, 06484
Attention: Tunde Komuves-Sandor

Report Date: 09/14/2017
Client Project ID: Rowe Industries
York Project (SDG) No.: 17I0210

CT Cert. No. PH-0723 New Jersey Cert. No. CT005 and NY037 New York Cert. Nos. 10854 and 12058 PA Cert. No. 68-04440

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

Report Date: 09/14/2017
Client Project ID: Rowe Industries
York Project (SDG) No.: 17I0210

Leggette Brashears & Graham Shelton Office
4 Research Drive, Suite 204
Shelton CT, 06484
Attention: Tunde Komuves-Sandor

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on September 07, 2017 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
17I0210-01	WQ090517:1200 FRW-1	Water	09/05/2017	09/07/2017
17I0210-02	WQ090517:1205 FRW-2	Water	09/05/2017	09/07/2017
17I0210-03	WQ090517:1210 FRW-3	Water	09/05/2017	09/07/2017
17I0210-04	WQ090517:1215 FRW-4	Water	09/05/2017	09/07/2017

General Notes for York Project (SDG) No.: 17I0210

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By: 

Date: 09/14/2017

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: WQ090517:1200 FRW-1 **York Sample ID:** 17I0210-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17I0210	Rowe Industries	Water	September 5, 2017 12:00 pm	09/07/2017

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:	09/12/2017 18:00 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/13/2017 03:39	AS
71-55-6	**1,1,1-Trichloroethane**	**0.22**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/13/2017 03:39	AS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/13/2017 03:39	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:	09/12/2017 18:00 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/13/2017 03:39	AS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/13/2017 03:39	AS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/13/2017 03:39	AS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/13/2017 03:39	AS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	09/13/2017 03:39	AS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	09/13/2017 03:39	AS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	09/13/2017 03:39	AS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	09/13/2017 03:39	AS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/13/2017 03:39	AS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/13/2017 03:39	AS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/13/2017 03:39	AS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/13/2017 03:39	AS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/13/2017 03:39	AS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/13/2017 03:39	AS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/13/2017 03:39	AS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/13/2017 03:39	AS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	09/13/2017 03:39	AS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	09/13/2017 03:39	AS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	09/13/2017 03:39	AS

Sample Information

Client Sample ID: WQ090517:1200 FRW-1 **York Sample ID:** 17I0210-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17I0210	Rowe Industries	Water	September 5, 2017 12:00 pm	09/07/2017

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:	09/12/2017 18:00	09/13/2017 03:39 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 03:39 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 03:39 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 03:39 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 03:39 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 03:39 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	AS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 03:39 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	AS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 03:39 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 03:39 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 03:39 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 03:39 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 03:39 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 03:39 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 03:39 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 03:39 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
156-59-2	**cis-1,2-Dichloroethylene**	**2.9**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 03:39 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 03:39 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 03:39 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 03:39 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	AS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 03:39 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	AS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 03:39 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 03:39 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	AS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 03:39 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS

Sample Information

Client Sample ID: WQ090517:1200 FRW-1 **York Sample ID:** 17I0210-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17I0210	Rowe Industries	Water	September 5, 2017 12:00 pm	09/07/2017

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:	09/12/2017 18:00	09/13/2017 03:39 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 03:39 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 03:39 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	AS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 03:39 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 03:39 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 03:39 CTDOH,NELAC-NY10854,NELAC-NY10854-Qu	AS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 03:39 CTDOH,NELAC-NY10854,NELAC-NY10854-Qu	AS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 03:39 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 03:39 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 03:39 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 03:39 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
127-18-4	**Tetrachloroethylene**	**34**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 03:39 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 03:39 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 03:39 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 03:39 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
79-01-6	**Trichloroethylene**	**0.93**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 03:39 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 03:39 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 03:39 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 03:39 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*99.1 %*	*69-130*
2037-26-5	*Surrogate: Toluene-d8*	*96.2 %*	*81-117*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*107 %*	*79-122*

Sample Information

Client Sample ID: WQ090517:1205 FRW-2 **York Sample ID:** 17I0210-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17I0210	Rowe Industries	Water	September 5, 2017 12:05 pm	09/07/2017

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:	09/12/2017 18:00	09/13/2017 04:06 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:06 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:06 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	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:	09/12/2017 18:00	09/13/2017 04:06 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
79-00-5	**1,1,2-Trichloroethane**	**0.65**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:06 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:06 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:06 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:06 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	AS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:06 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	AS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:06 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	AS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:06 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	AS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:06 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:06 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:06 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:06 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:06 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:06 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:06 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:06 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:06 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	AS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:06 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:06 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	AS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:06 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS

Sample Information

Client Sample ID: WQ090517:1205 FRW-2 **York Sample ID:** 17I0210-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17I0210	Rowe Industries	Water	September 5, 2017 12:05 pm	09/07/2017

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:	09/12/2017 18:00	09/13/2017 04:06 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:06 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:06 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:06 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:06 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	AS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:06 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	AS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:06 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:06 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:06 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:06 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:06 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:06 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:06 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:06 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
156-59-2	**cis-1,2-Dichloroethylene**	**0.59**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:06 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:06 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:06 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:06 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	AS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:06 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	AS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:06 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:06 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	AS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:06 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:06 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS

Sample Information

Client Sample ID: WQ090517:1205 FRW-2 **York Sample ID:** 17I0210-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17I0210	Rowe Industries	Water	September 5, 2017 12:05 pm	09/07/2017

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:	09/12/2017 18:00	09/13/2017 04:06 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:06 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	AS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:06 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:06 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:06 CTDOH,NELAC-NY10854,NELAC-NY10854-Qu	AS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:06 CTDOH,NELAC-NY10854,NELAC-NY10854-Qu	AS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:06 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:06 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:06 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:06 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
127-18-4	**Tetrachloroethylene**	**33**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:06 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:06 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:06 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:06 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
79-01-6	**Trichloroethylene**	**0.85**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:06 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:06 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:06 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:06 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*102 %*	*69-130*
2037-26-5	*Surrogate: Toluene-d8*	*95.7 %*	*81-117*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*104 %*	*79-122*

Sample Information

Client Sample ID: WQ090517:1210 FRW-3 **York Sample ID:** 17I0210-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17I0210	Rowe Industries	Water	September 5, 2017 12:10 pm	09/07/2017

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	0.40	1.0	2	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:59 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:59 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:59 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:59 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:59 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:59 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:59 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:59 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	AS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:59 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	AS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:59 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	AS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:59 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	AS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:59 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:59 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:59 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:59 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:59 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:59 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:59 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:59 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:59 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	AS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:59 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:59 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	AS
95-49-8	2-Chlorotoluene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:59 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS

Sample Information

Client Sample ID: WQ090517:1210 FRW-3 **York Sample ID:** 17I0210-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17I0210	Rowe Industries	Water	September 5, 2017 12:10 pm	09/07/2017

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	0.40	1.0	2	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:59 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
106-43-4	4-Chlorotoluene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:59 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
67-64-1	Acetone	ND		ug/L	2.0	4.0	2	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:59 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
71-43-2	Benzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:59 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
108-86-1	Bromobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:59 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	AS
74-97-5	Bromochloromethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:59 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	AS
75-27-4	Bromodichloromethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:59 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
75-25-2	Bromoform	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:59 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
74-83-9	Bromomethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:59 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
56-23-5	Carbon tetrachloride	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:59 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
108-90-7	Chlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:59 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
75-00-3	Chloroethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:59 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
67-66-3	Chloroform	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:59 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
74-87-3	Chloromethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:59 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
156-59-2	**cis-1,2-Dichloroethylene**	**6.1**		ug/L	0.40	1.0	2	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:59 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:59 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
124-48-1	Dibromochloromethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:59 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
74-95-3	Dibromomethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:59 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	AS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:59 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	AS
100-41-4	Ethyl Benzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:59 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:59 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	AS
98-82-8	Isopropylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:59 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:59 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS

Sample Information

Client Sample ID: WQ090517:1210 FRW-3 **York Sample ID:** 17I0210-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17I0210	Rowe Industries	Water	September 5, 2017 12:10 pm	09/07/2017

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	2.0	4.0	2	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:59 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
91-20-3	Naphthalene	ND		ug/L	2.0	4.0	2	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:59 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	AS
104-51-8	n-Butylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:59 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
103-65-1	n-Propylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:59 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
95-47-6	o-Xylene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:59 CTDOH,NELAC-NY10854,NELAC-NY10854-Qu	AS
179601-23-1	p- & m- Xylenes	ND		ug/L	1.0	2.0	2	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:59 CTDOH,NELAC-NY10854,NELAC-NY10854-Qu	AS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:59 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
135-98-8	sec-Butylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:59 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
100-42-5	Styrene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:59 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
98-06-6	tert-Butylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:59 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
127-18-4	**Tetrachloroethylene**	**15**		ug/L	0.40	1.0	2	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:59 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
108-88-3	Toluene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:59 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:59 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:59 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
79-01-6	**Trichloroethylene**	**1.7**		ug/L	0.40	1.0	2	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:59 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:59 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
75-01-4	Vinyl Chloride	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:59 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
1330-20-7	Xylenes, Total	ND		ug/L	1.2	3.0	2	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:59 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*100 %*	*69-130*
2037-26-5	*Surrogate: Toluene-d8*	*96.9 %*	*81-117*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*108 %*	*79-122*

Sample Information

Client Sample ID: WQ090517:1215 FRW-4 **York Sample ID:** 17I0210-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17I0210	Rowe Industries	Water	September 5, 2017 12:15 pm	09/07/2017

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:	09/12/2017 18:00	09/13/2017 04:32 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:32 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:32 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	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:	09/12/2017 18:00	09/13/2017 04:32 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:32 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:32 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:32 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:32 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	AS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:32 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	AS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:32 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	AS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:32 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	AS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:32 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:32 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:32 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:32 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:32 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:32 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:32 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:32 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:32 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	AS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:32 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:32 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	AS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:32 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS

Sample Information

Client Sample ID: WQ090517:1215 FRW-4 **York Sample ID:** 17I0210-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17I0210	Rowe Industries	Water	September 5, 2017 12:15 pm	09/07/2017

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:	09/12/2017 18:00	09/13/2017 04:32 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:32 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:32 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:32 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:32 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	AS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:32 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	AS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:32 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:32 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:32 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:32 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:32 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:32 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:32 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:32 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
156-59-2	**cis-1,2-Dichloroethylene**	**0.51**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:32 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:32 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:32 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:32 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	AS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:32 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	AS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:32 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:32 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	AS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:32 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:32 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS

Sample Information

Client Sample ID: WQ090517:1215 FRW-4 **York Sample ID:** 17I0210-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17I0210	Rowe Industries	Water	September 5, 2017 12:15 pm	09/07/2017

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:	09/12/2017 18:00	09/13/2017 04:32 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:32 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	AS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:32 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:32 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:32 CTDOH,NELAC-NY10854,NELAC-NY10854-Qu	AS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:32 CTDOH,NELAC-NY10854,NELAC-NY10854-Qu	AS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:32 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:32 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:32 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:32 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
127-18-4	**Tetrachloroethylene**	**2.7**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:32 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:32 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:32 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:32 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
79-01-6	**Trichloroethylene**	**0.42**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:32 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:32 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:32 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications:	09/12/2017 18:00	09/13/2017 04:32 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	AS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*101 %*	*69-130*
2037-26-5	*Surrogate: Toluene-d8*	*96.8 %*	*81-117*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*107 %*	*79-122*

Analytical Batch Summary

Batch ID: BI70515 **Preparation Method:** EPA 5030B **Prepared By:** AS

YORK Sample ID	Client Sample ID	Preparation Date
17I0210-01	WQ090517:1200 FRW-1	09/12/17
17I0210-02	WQ090517:1205 FRW-2	09/12/17
17I0210-03	WQ090517:1210 FRW-3	09/12/17
17I0210-04	WQ090517:1215 FRW-4	09/12/17
BI70515-BLK1	Blank	09/12/17
BI70515-BS1	LCS	09/12/17
BI70515-BSD1	LCS Dup	09/12/17

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI70515 - EPA 5030B											
Blank (BI70515-BLK1)											
Prepared: 09/12/2017 Analyzed: 09/13/2017											
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,1-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 BI70515 - EPA 5030B											
Blank (BI70515-BLK1)											Prepared: 09/12/2017 Analyzed: 09/13/2017
o-Xylene	ND	0.50	ug/L								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: 1,2-Dichloroethane-d4	*10.0*		*"*	*10.0*		*100*	*69-130*				
Surrogate: Toluene-d8	*9.69*		*"*	*10.0*		*96.9*	*81-117*				
Surrogate: p-Bromofluorobenzene	*10.4*		*"*	*10.0*		*104*	*79-122*				
LCS (BI70515-BS1)											Prepared: 09/12/2017 Analyzed: 09/13/2017
1,1,1,2-Tetrachloroethane	9.26		ug/L	10.0		92.6	82-126				
1,1,1-Trichloroethane	10.5		"	10.0		105	78-136				
1,1,2,2-Tetrachloroethane	10.4		"	10.0		104	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.4		"	10.0		104	54-165				
1,1,2-Trichloroethane	10.3		"	10.0		103	82-123				
1,1-Dichloroethane	10.8		"	10.0		108	82-129				
1,1-Dichloroethylene	10.6		"	10.0		106	68-138				
1,1-Dichloropropylene	10.5		"	10.0		105	83-133				
1,2,3-Trichlorobenzene	12.1		"	10.0		121	76-136				
1,2,3-Trichloropropane	10.7		"	10.0		107	77-128				
1,2,4-Trichlorobenzene	11.5		"	10.0		115	76-137				
1,2,4-Trimethylbenzene	10.8		"	10.0		108	82-132				
1,2-Dibromo-3-chloropropane	9.94		"	10.0		99.4	45-147				
1,2-Dibromoethane	10.5		"	10.0		105	83-124				
1,2-Dichlorobenzene	10.1		"	10.0		101	79-123				
1,2-Dichloroethane	10.2		"	10.0		102	73-132				
1,2-Dichloropropane	9.99		"	10.0		99.9	78-126				
1,3,5-Trimethylbenzene	11.2		"	10.0		112	80-131				
1,3-Dichlorobenzene	10.1		"	10.0		101	86-122				
1,3-Dichloropropane	10.3		"	10.0		103	81-125				
1,4-Dichlorobenzene	10.2		"	10.0		102	85-124				
2,2-Dichloropropane	9.50		"	10.0		95.0	56-150				
2-Chlorotoluene	10.3		"	10.0		103	79-130				
2-Hexanone	10.1		"	10.0		101	51-146				
4-Chlorotoluene	10.3		"	10.0		103	79-128				
Acetone	4.02		"	10.0		40.2	14-150				
Benzene	10.6		"	10.0		106	85-126				
Bromobenzene	10.9		"	10.0		109	78-129				
Bromochloromethane	10.7		"	10.0		107	77-128				
Bromodichloromethane	10.2		"	10.0		102	79-128				
Bromoform	9.96		"	10.0		99.6	78-133				
Bromomethane	5.96		"	10.0		59.6	43-168				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI70515 - EPA 5030B											
LCS (BI70515-BS1)									Prepared: 09/12/2017 Analyzed: 09/13/2017		
Carbon tetrachloride	10.2		ug/L	10.0		102	77-141				
Chlorobenzene	9.97		"	10.0		99.7	88-120				
Chloroethane	10.4		"	10.0		104	65-136				
Chloroform	10.6		"	10.0		106	82-128				
Chloromethane	9.72		"	10.0		97.2	43-155				
cis-1,2-Dichloroethylene	10.4		"	10.0		104	83-129				
cis-1,3-Dichloropropylene	9.78		"	10.0		97.8	80-131				
Dibromochloromethane	9.80		"	10.0		98.0	80-130				
Dibromomethane	10.4		"	10.0		104	72-134				
Dichlorodifluoromethane	10.4		"	10.0		104	44-144				
Ethyl Benzene	10.8		"	10.0		108	80-131				
Hexachlorobutadiene	11.0		"	10.0		110	67-146				
Isopropylbenzene	10.7		"	10.0		107	76-140				
Methyl tert-butyl ether (MTBE)	10.3		"	10.0		103	76-135				
Methylene chloride	10.2		"	10.0		102	55-137				
Naphthalene	9.00		"	10.0		90.0	70-147				
n-Butylbenzene	10.9		"	10.0		109	79-132				
n-Propylbenzene	10.8		"	10.0		108	78-133				
o-Xylene	9.96		"	10.0		99.6	78-130				
p- & m- Xylenes	22.1		"	20.0		110	77-133				
p-Isopropyltoluene	10.8		"	10.0		108	81-136				
sec-Butylbenzene	10.3		"	10.0		103	79-137				
Styrene	10.8		"	10.0		108	67-132				
tert-Butylbenzene	10.2		"	10.0		102	77-138				
Tetrachloroethylene	11.2		"	10.0		112	82-131				
Toluene	10.3		"	10.0		103	80-127				
trans-1,2-Dichloroethylene	10.6		"	10.0		106	80-132				
trans-1,3-Dichloropropylene	9.79		"	10.0		97.9	78-131				
Trichloroethylene	10.2		"	10.0		102	82-128				
Trichlorofluoromethane	10.6		"	10.0		106	67-139				
Vinyl Chloride	10.3		"	10.0		103	58-145				
Surrogate: 1,2-Dichloroethane-d4	*9.85*		*"*	*10.0*		*98.5*	*69-130*				
Surrogate: Toluene-d8	*9.73*		*"*	*10.0*		*97.3*	*81-117*				
Surrogate: p-Bromofluorobenzene	*10.6*		*"*	*10.0*		*106*	*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 BI70515 - EPA 5030B

LCS Dup (BI70515-BSD1) Prepared: 09/12/2017 Analyzed: 09/13/2017

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1,1,2-Tetrachloroethane	9.25		ug/L	10.0		92.5	82-126		0.108	30	
1,1,1-Trichloroethane	9.91		"	10.0		99.1	78-136		5.69	30	
1,1,2,2-Tetrachloroethane	10.1		"	10.0		101	76-129		2.44	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.75		"	10.0		97.5	54-165		6.64	30	
1,1,2-Trichloroethane	10.1		"	10.0		101	82-123		1.37	30	
1,1-Dichloroethane	10.4		"	10.0		104	82-129		4.24	30	
1,1-Dichloroethylene	10.0		"	10.0		100	68-138		6.30	30	
1,1-Dichloropropylene	9.74		"	10.0		97.4	83-133		7.70	30	
1,2,3-Trichlorobenzene	11.7		"	10.0		117	76-136		3.28	30	
1,2,3-Trichloropropane	10.2		"	10.0		102	77-128		4.78	30	
1,2,4-Trichlorobenzene	11.2		"	10.0		112	76-137		2.38	30	
1,2,4-Trimethylbenzene	10.2		"	10.0		102	82-132		6.00	30	
1,2-Dibromo-3-chloropropane	9.59		"	10.0		95.9	45-147		3.58	30	
1,2-Dibromoethane	10.3		"	10.0		103	83-124		1.44	30	
1,2-Dichlorobenzene	9.89		"	10.0		98.9	79-123		2.50	30	
1,2-Dichloroethane	9.97		"	10.0		99.7	73-132		2.57	30	
1,2-Dichloropropane	9.68		"	10.0		96.8	78-126		3.15	30	
1,3,5-Trimethylbenzene	10.4		"	10.0		104	80-131		7.13	30	
1,3-Dichlorobenzene	9.50		"	10.0		95.0	86-122		5.83	30	
1,3-Dichloropropane	10.2		"	10.0		102	81-125		1.46	30	
1,4-Dichlorobenzene	9.70		"	10.0		97.0	85-124		5.12	30	
2,2-Dichloropropane	8.87		"	10.0		88.7	56-150		6.86	30	
2-Chlorotoluene	9.74		"	10.0		97.4	79-130		5.98	30	
2-Hexanone	10.2		"	10.0		102	51-146		1.28	30	
4-Chlorotoluene	9.74		"	10.0		97.4	79-128		5.88	30	
Acetone	4.39		"	10.0		43.9	14-150		8.80	30	
Benzene	10.1		"	10.0		101	85-126		5.51	30	
Bromobenzene	10.4		"	10.0		104	78-129		5.54	30	
Bromochloromethane	10.1		"	10.0		101	77-128		5.59	30	
Bromodichloromethane	10.1		"	10.0		101	79-128		0.984	30	
Bromoform	9.63		"	10.0		96.3	78-133		3.37	30	
Bromomethane	6.24		"	10.0		62.4	43-168		4.59	30	
Carbon tetrachloride	9.62		"	10.0		96.2	77-141		6.05	30	
Chlorobenzene	9.61		"	10.0		96.1	88-120		3.68	30	
Chloroethane	10.1		"	10.0		101	65-136		2.63	30	
Chloroform	10.1		"	10.0		101	82-128		5.41	30	
Chloromethane	8.60		"	10.0		86.0	43-155		12.2	30	
cis-1,2-Dichloroethylene	9.66		"	10.0		96.6	83-129		6.99	30	
cis-1,3-Dichloropropylene	9.66		"	10.0		96.6	80-131		1.23	30	
Dibromochloromethane	9.68		"	10.0		96.8	80-130		1.23	30	
Dibromomethane	10.1		"	10.0		101	72-134		2.63	30	
Dichlorodifluoromethane	9.51		"	10.0		95.1	44-144		8.56	30	
Ethyl Benzene	10.4		"	10.0		104	80-131		4.15	30	
Hexachlorobutadiene	10.3		"	10.0		103	67-146		7.22	30	
Isopropylbenzene	9.93		"	10.0		99.3	76-140		7.18	30	
Methyl tert-butyl ether (MTBE)	10.1		"	10.0		101	76-135		2.15	30	
Methylene chloride	9.84		"	10.0		98.4	55-137		3.69	30	
Naphthalene	8.98		"	10.0		89.8	70-147		0.222	30	
n-Butylbenzene	10.3		"	10.0		103	79-132		6.32	30	
n-Propylbenzene	10.1		"	10.0		101	78-133		7.19	30	
o-Xylene	9.61		"	10.0		96.1	78-130		3.58	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 BI70515 - EPA 5030B											
LCS Dup (BI70515-BSD1)									Prepared: 09/12/2017 Analyzed: 09/13/2017		
p- & m- Xylenes	21.2		ug/L	20.0		106	77-133		3.92	30	
p-Isopropyltoluene	10.2		"	10.0		102	81-136		5.63	30	
sec-Butylbenzene	9.55		"	10.0		95.5	79-137		7.85	30	
Styrene	10.5		"	10.0		105	67-132		2.54	30	
tert-Butylbenzene	9.70		"	10.0		97.0	77-138		5.51	30	
Tetrachloroethylene	10.7		"	10.0		107	82-131		4.67	30	
Toluene	10.0		"	10.0		100	80-127		3.15	30	
trans-1,2-Dichloroethylene	9.92		"	10.0		99.2	80-132		6.16	30	
trans-1,3-Dichloropropylene	9.70		"	10.0		97.0	78-131		0.924	30	
Trichloroethylene	9.74		"	10.0		97.4	82-128		4.22	30	
Trichlorofluoromethane	9.51		"	10.0		95.1	67-139		11.1	30	
Vinyl Chloride	9.43		"	10.0		94.3	58-145		8.43	30	
Surrogate: 1,2-Dichloroethane-d4	*10.1*		*"*	*10.0*		*101*	*69-130*				
Surrogate: Toluene-d8	*9.78*		*"*	*10.0*		*97.8*	*81-117*				
Surrogate: p-Bromofluorobenzene	*10.3*		*"*	*10.0*		*103*	*79-122*				

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
17I0210-01	WQ090517:1200 FRW-1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
17I0210-02	WQ090517:1205 FRW-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
17I0210-03	WQ090517:1210 FRW-3	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
17I0210-04	WQ090517:1215 FRW-4	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Sample and Data Qualifiers Relating to This Work Order

J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.

Definitions and Other Explanations

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

YORK
ANALYTICAL LABORATORIES, INC.

120 RESEARCH 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. 17I0210

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)

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 Discrete Tissues	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)
WQ090517:1200 FRW-1	9-5-17	GW	VOC 8260 full list (EPA SW846-8260B) plus freon 113	3 voa
WQ090517:1205 FRW-2				3 voa
WQ090517:1210 FRW-3				3 voa
WQ090517:1215 FRW-4				3 voa

Comments

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

4°C ✓ Frozen___ HCl___ MeOH___ HNO_3___ H_2SO_4___ NaOH___
ZnAc___ Ascorbic Acid___ Other___

Samples Relinquished By — Date/Time: 9/6/17 800
Samples Relinquished By — Date/Time:

Samples Received By: LBG Fridge — Date/Time: 9/9/17 800
Samples Received in LAB by: PRance — Date/Time: 9-7-17 1512

Temperature on Receipt 2.2 °C

Recd 1st 9/7/17 13:27

(RW & FRW)