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PROJECT STATUS MEMORANDUM NO. 07-13

TO: Pamela Tames, USEPA
FROM: Mark M. Goldberg, P.E.
Tunde H. Komuves-Sandor, CPG

DATE: October 3, 2013

PROJECT: Rowe Industries Superfund Site
Groundwater Recovery and Treatment System
July 2013 Status Report
Sag Harbor, New York

LBG Engineering Services, P.C. (LBG) 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. This status report presents a summary of performance, operation and maintenance for both systems and monitoring activities for the site from July 1, 2013 through July 31, 2013. 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

(July 1, 2013 through July 31, 2013)

1. Hours of operation during the reporting period:	500 hours (67.3%)
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:	4,098,272 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:	0.27 pounds*
7. Cumulative mass of VOCs recovered since startup on 12/17/02: (calculations can be provided upon request)	226.0 pounds
8. Effluent VOC vapor concentration for the reporting period:	0.01 mg/m^3 (see Table 3)
9. Was the effluent VOC vapor emission rate below 0.022 lbs/hr.: (calculations can be provided upon request)	yes (0.00006 lbs/hr)

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

FULL SCALE PUMP AND TREAT SYSTEM STATUS SUMMARY

The following table summarizes select recovery well parameters for the operating recovery wells during the above-referenced reporting period. Table 4 presents a summary of the quality results for water samples collected from recovery wells. Graph 2 presents tetrachloroethylene (PCE) concentrations for each recovery well. For wells with water quality that meets or is approaching remedial criteria, Graph 3 presents PCE concentrations at an expanded scale in order to compare them to the PCE aquifer restoration concentration of 5 ug/L. Laboratory analytical reports are included as Appendix II.

Well	Volume pumped (gal)	Average Flow (gpm)	Lowest Measured Flow (gpm)[1/]	Total VOC Concentration (µg/L)	VOC Recovery (lbs)
RW-2	729,658	27	13	2.1	0.01
RW-4	817,484	33	10	2.9	0.02
RW-6	426,094	15	15	2.8	0.01
RW-7	1,739,952	60	60	0.9	0.01

[1/] Lowest measured flows are based on the lowest average 24-hour pumping rates for each well recorded to date.

The following recovery wells have been shut down after receiving EPA approval:

- RW-1 was shut down on July 13, 2005;
- RW-3 was shut down on May 21, 2012;
- RW-5 was shut down on May 23, 2012;
- RW-8 was shut down on April 30, 2012; and
- RW-9 was shut down on April 23, 2012.

On July 16, 2013 during routine O&M activities, a minor leak was observed in the piping leading from the FSP&T influent transfer pumps to the bag filter housings. The FSP&T system was shut down and repairs were scheduled. Technicians from American Environmental Assessment Corp. (AEAC) repaired the leaking pipe on July 23; the FSP&T system remained off to allow time for the adhesives used in the repair process to dry. The FSP&T system was restarted on July 25, 2013 without any complications and the repaired pipe was observed over the course of several hours for leaks.

On July 27, 2013 the FSP&T system encountered a power failure alarm likely caused by frequent power fluctuations, however, the FSP&T system remained operating with RW-2, 6 and 7. RW-4 shut down due to a pump fault likely associated with the power fluctuations. Based on hourly datalogged system operational data, while the pump in RW-2 continued to operate, the RW-2 controls were not operating properly and shut down on July 28 at 12:51 AM due to a pump fault alarm. The RW-2 and RW-4 pump fault alarms were cleared on July 29. On July 30 at 3:13 pm, RW-2 shut down again due to a pump fault alarm. The recurring pump fault alarms will be troubleshot during the month of August.

Evaluation of Groundwater Quality

During July 2013, the VOCs of concern for the site were below applicable or relevant and appropriate requirements (ARARs) in the groundwater samples collected from recovery wells RW-2, 4, 6, and 7. RW-3, RW-5, RW-8 and RW-9 will continue to be monitored quarterly during 2013 as outlined in the Recovery Well Shutdown Plan; the next sampling event for these recovery wells will be during the month of September. Low concentrations of VOCs continue to be detected in the groundwater samples from the operating recovery wells. Laboratory analytical reports are included in Appendix II.

PCE, TCA and TCE concentrations have been at or below the ARAR of 5 µg/l in groundwater samples collected from:

- RW-2 for 53 consecutive months (4 years and 5 months);
- RW-4 for 35 consecutive months (2 years and 11 months);
- RW-6 for 31 consecutive months (2 years and 7 month); and
- RW-7 for 37 consecutive months (3 years and 1 month).

FOCUS PUMP AND TREAT SYSTEM STATUS SUMMARY

LBG monitors the FP&T system for indications of any fouling that had been problematic with the FP&T system. During this reporting period, iron bacterium accumulation was observed in the FRW-1 flow meter. The flow meter was cleaned once during the month of July.

The following table summarizes the parameters for the FRWs for the reporting period of July 1, 2013 through July 29, 2013.

Well	Volume Pumped (gal)	Total VOC Concentration (µg/L)	VOC Recovery (lbs)
FRW-1	60,982	111	0.070
FRW-2	3,281	54.1	0.001
FRW-3	5,526	101	0.005
FRW-4	157,826	40.2	0.053
Total	220,991 [1/]	--	--

[1/] Routed to equalization tank in FSP&T system, for treatment.

Evaluation of Groundwater Quality

Groundwater samples were collected from FRW-1, 2, 3 and 4 once during the month of July and the groundwater quality results for the FRWs are summarized in Tables 5 through 8 and Graphs 4 through 7. The laboratory results for the FRWs are included in Appendix II.

The groundwater quality in the FDSA has improved to varying degrees since the re-start of the FRWs on June 12, 2013. The variability in improvement is likely related to the combined effect of the rate of pumping at each well and the magnitude of contaminant concentrations in the vicinity of each well. As the FRWs continue to recover groundwater from the FDSA, LBG expects the concentrations of COCs to decrease slowly with time. Groundwater samples from the FRWs will continue to be collected and analyzed monthly for quality trends.

The groundwater quality in the nearby downgradient monitor well MW-98-04 has improved since the re-start of the FRWs and LBG expects that trend to continue as long as the FRWs are operating. Specifically, the PCE concentrations in the groundwater samples collected from MW-98-04 showed the following decreasing trend:

- April 23, 2013: PCE = 310 µg/L
- June 17, 2013: PCE = 36 ug/L
- July 23, 2013: PCE= 2.7 ug/L

Furthermore, relatively low concentrations of CVOCs other than PCE were detected in the groundwater samples collected from this well in April and June but not in July. Groundwater samples from MW-98-04 are scheduled to be collected during the September 2013 semi-annual groundwater sampling event and in November 2013. As a result groundwater quality immediately downgradient of the FDSA will continue to be closely monitored to track the effectiveness of the re-start of the FRWs.

In the event that the FP&T system shuts down for more than eight weeks, the groundwater quality at MW-98-04 may be monitored with greater frequency to track the groundwater quality immediately downgradient of the FDSA. If the FP&T system continues to operate normally then the sampling frequency for MW-98-04 will revert to the previous semi-annual sampling schedule following the November sampling event. The laboratory results for MW-98-04 is included in Appendix IV.

OTHER O&M ACTIVITIES AND FUTURE O&M ACTIVITIES

O&M activities conducted in July 2013 are outlined in Table 1 and future O&M activities are provided below.

Future O&M activities scheduled for the summer and fall of 2013 include:

- normal weekly/monthly O&M activities;
- troubleshoot the recurring pump fault alarms for RW-2; and
- continue monitoring the flow rate from RW-4.

MMG:nv
Attachments
cc: Ken W. Wengert - Kraft Foods Group, Inc. - .pdf
Lisa Krogman, Environ – .pdf
Jeff Trad, NYSDEC – .pdf
Chief-Operation Maintenance and Support Section, NYSDEC – .pdf
William Spitz, RWM, R-1, NYSDEC
Tiffany Scarloto, Town of Southampton Attorney - .pdf
H:\NABIS\2013\Monthly reports\July\Status0713July.docx

TABLES

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

MAINTENANCE LOG
(July 1, 2013 through July 31, 2013)

Date	Time	System Changes/Modifications	Personnel
7/1/2013		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.	SH
	9:45 AM	Shut down the FSP&T and FP&T systems and reboot the programmable logic computer (PLC).	SH
	9:50 AM	Reset the RW-6 alarms likely caused by a power surge and restarted the FSP&T system.	SH
	10:20 AM	Restart the FP&T system.	SH
7/8/2013	6:32 AM	FSP&T and FP&T systems shut down due to power failure alarms.	
7/9/2013	9:45 AM	Reset alarms and restarted the FSP&T and FP&T systems.	SH/JF
7/16/2013		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.	SH
	11:14 AM	Observed a slight leak in the piping leading from the FSP&T system influent pumps to the bag filters. Shut down the FSP&T and FP&T systems, and scheduled repairs.	SH
		Cleaned iron fouling from the FRW-1 flow meter paddle wheel.	SH
7/21/2013	2:47 AM	Power failure alarm, the FSP&T and FP&T systems are already off due to scheduled repairs.	
7/23/2013		Technicians from American Environmental Assessment Corp. repaired the leaking pipe leading from the FSP&T system influent pumps to the bag filters.	AEAC/SH
	11:39 AM	The FSP&T system alarms were reset, however, the treatment system remains off in order for adhesives used in the pipe repairs to cure.	SH
7/25/2013	11:30 AM	Reboot the PLC, restart the FSP&T system.	EF
	12:10 PM	Restarted the FP&T system.	EF
7/27/2013	5:24 AM	Power failure alarm, likely caused by a power fluctuation. The FP&T system shuts down while the FSP&T system remains operating with RW-2, 6 and 7; RW-4 shuts down due to a pump fault alarm associated with the power fluctuation.	
7/28/2013	12:51 AM	RW-2 shuts down due to a pump fault alarm.	
7/29/2013	10:10 AM	Cleared FSP&T system alarms and restarted RW-2 and RW-4.	SH
		Inspected the newly repaired FSP&T system piping for leaks.	SH
	10:20 AM	Restarted the FP&T system.	SH
7/30/2013	7:39 AM	RW-2 shuts down due to a pump fault alarm; the FSP&T system remains operating with RW-4, 6 and 7.	
	3:13 PM	Reset the RW-2 pump fault alarm and restarted RW-2.	JF

Notes:

AEAC	American Environmental Assessment Corp.
EF	Evan Foster
JF	Jamie Forester
SH	Steve Hnat

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	**5.0 to 8.5**	**---**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**---**	**10**	**7**	**---**	**---**
1-Jul-13	7.2	117	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<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	1.99	0.100
9-Jul-13	7.0	118	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<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	33.0	0.044
16-Jul-13	7.0	122	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.49 J	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	2.23	0.061
25-Jul-13	7.5	125	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<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	42.80	ND<0.02
29-Jul-13	7.3	93	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<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	7.36	0.130

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 October 21, 2011, the new allowable pH range for the Rowe Site is between 5.0 and 8.5.
2. "Effluent" samples were collected from sample port labeled NP2-10 unless otherwise noted.

TABLE 3

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

Carbon Unit System Air Quality Results

Precarbon			Parameters (mg/m3)														TOTAL
Sample Name	Date	Time	PCE	TCE	TCA	DCE	DCA	cis-DCE	trans-DCE	Toluene	m&p-Xylenes	o-Xylene	CF	MC	EB	Freon 113	VOCs
AQ072512:1300NP4-1	7/25/2012	13:00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0019 B	ND	ND	0.02
AQ82712:1600NP4-1	8/27/2012	16:00	0.0085	0.0016	0.0071	0.0009	0.0051	ND	ND	0.0083	ND	ND	0.0028	0.0016 B	ND	ND	0.04
AQ092712:1210NP4-1	9/27/2012	12:10	ND	ND	ND	ND	ND	ND	ND	0.0030	ND	ND	ND	0.0026 B	ND	ND	0.05
AQ103112:1640NP4-1	10/31/2012	16:40	0.0140	0.0140	0.0096	ND	0.0039	ND	ND	0.0007	0.0007	ND	0.0043	0.0011 B	ND	ND	0.08
AQ112712:1300NP4-1	11/27/2012	13:00	0.0190	0.0020	0.0054	ND	ND	0.0010	ND	0.0013	0.0018	0.0009	0.0019	0.0015	0.0009	ND	0.06
AQ121212:1120NP4-1	12/12/2012	11:20	0.0240	0.0033	0.0110	ND	0.0047	0.0020	ND	0.0017	0.0610	0.0240	0.0033	0.0015	0.0012	ND	0.16
AQ010713:1200NP4-1	1/7/2013	12:00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.01
AQ022513:1130NP4-1	2/25/2013	11:30	0.0230	0.0044	ND	ND	0.0048	0.0040	ND	ND	ND	ND	0.0029	0.0013	ND	ND	0.06
AQ031313:1200NP4-1	3/13/2013	12:00	ND	ND	ND	ND	ND	ND	ND	0.0120	0.0042	0.0014	ND	0.0840	0.0014	ND	0.26
AQ042213:1600NP4-1	4/22/2013	16:00	ND	0.0066	ND	ND	ND	ND	ND	0.0013	0.0022	ND	ND	0.0026 B	ND	ND	0.03
AQ050813:1300NP4-1	5/8/2013	13:00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0008	ND	ND	0.01
AQ062513:1130NP4-1	6/25/2013	11:30	0.0150	ND	ND	ND	ND	0.0010	ND	0.0011	ND	ND	ND	0.0011 B	ND	ND	0.04
AQ072913:1300NP4-1	7/29/2013	13:00	0.0240	0.0092	0.0100	ND	ND	ND	ND	ND	ND	ND	0.0092	ND	ND	ND	0.09

Midcarbon			Parameters (mg/m3)														TOTAL
Sample Name	Date	Time	PCE	TCE	TCA	DCE	DCA	cis-DCE	trans-DCE	Toluene	m&p-Xylenes	o-Xylene	CF	MC	EB	Freon 113	VOCs
AQ072512:1310NP4-2	7/25/2012	13:10	0.0380	0.0017	0.0150	ND	0.0072	0.0016	ND	ND	ND	ND	0.0034	0.0015	ND	ND	0.08
AQ82712:1605NP4-2	8/27/2012	16:05	0.0090	ND	0.0110	ND	0.0049	0.0014	ND	ND	ND	ND	0.0024	0.0014 B	ND	ND	0.04
AQ092712:1215NP4-2	9/27/2012	12:15	0.0770	0.0040	0.0110	ND	0.0036	0.0014	ND	0.0018	ND	ND	0.0022	0.0011 B	ND	ND	0.12
AQ103112:1645NP4-2	10/31/2012	16:45	0.0720	0.0043	0.0170	ND	0.0044	0.0018	ND	0.0009	0.0012	ND	0.0033	0.0014 B	ND	0.0016	0.13
AQ112712:1305NP4-2	11/27/2012	13:05	0.0420	0.0019	0.0130	ND	0.0037	0.0016	ND	0.0028	0.0050	0.0021	0.0028	0.0020	0.0016	ND	0.11
AQ121212:1125NP4-2	12/12/2012	11:25	0.0350	ND	0.0110	ND	0.0030	0.0010	ND	0.0010	0.0087	0.0024	0.0022	0.0011	ND	ND	0.11
AQ010713:1205NP4-2	1/7/2013	12:05	0.2400	0.0062	0.0150	ND	ND	ND	ND	0.0033	ND	ND	0.0030	ND	ND	ND	0.29
AQ022513:1135NP4-2	2/25/2013	11:35	0.0500	0.0020	0.0099	ND	ND	ND	ND	0.0022	ND	ND	0.0023	0.0083	ND	ND	0.17
AQ031313:1205NP4-2	3/13/2013	12:05	0.0610	0.0021	0.0140	ND	ND	ND	ND	0.0009	ND	ND	0.0033	0.0023	ND	ND	0.12
AQ042213:1605NP4-2	4/22/2013	16:05	0.0370	0.0097	0.0094	ND	0.0022	0.0011	ND	0.0014	0.0017	ND	0.0022	0.0026 B	ND	ND	0.18
AQ050813:1305NP4-2	5/8/2013	13:05	0.0230	0.0009	0.0080	ND	0.0018	0.0011	ND	ND	ND	ND	ND	0.0010	ND	ND	0.05
AQ062513:1135NP4-2	6/25/2013	11:35	0.0830	0.0036	0.0076	ND	0.0025	0.0013	ND	ND	ND	ND	0.0019	0.0012 B	ND	ND	0.12
AQ072913:1305NP4-2	7/29/2013	13:05	0.0540	ND	0.0100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.06

Postcarbon			Parameters (mg/m3)														TOTAL
Sample Name	Date	Time	PCE	TCE	TCA	DCE	DCA	cis-DCE	trans-DCE	Toluene	m&p-Xylenes	o-Xylene	CF	MC	EB	Freon 113	VOCs
AQ072512:1320NP4-3	7/25/2012	13:20	ND	ND	0.0090	0.0009	0.0086	ND	ND	ND	ND	ND	0.0036	0.053 B	ND	0.0048	0.10
AQ82712:1610NP4-3	8/27/2012	16:10	ND	ND	0.0057	ND	0.0057	ND	ND	0.0012	ND	ND	0.0023	0.0013 B	ND	ND	0.02
AQ092712:1220NP4-3	9/27/2012	12:20	ND	ND	0.0083	ND	0.0055	ND	ND	ND	ND	ND	0.0028	0.0011 B	ND	ND	0.03
AQ103112:1650NP4-3	10/31/2012	16:50	ND	ND	0.0130	0.0008	0.0053	0.0010	ND	ND	0.0008	ND	0.0033	0.0015 B	ND	0.0013	0.05
AQ112712:1310NP4-3	11/27/2012	13:10	ND	ND	0.0150	ND	0.0043	0.0013	ND	0.0009	0.0018	ND	0.0031	0.0019	ND	ND	0.05
AQ121212:1130NP4-3	12/12/2012	11:30	ND	ND	0.0120	ND	0.0031	ND	ND	ND	0.0050	0.0015	0.0022	0.0009	ND	ND	0.09
AQ010713:1210NP4-3	1/7/2013	12:10	ND	ND	0.0300	ND	0.0056	0.0015	ND	ND	0.0024	0.0014	0.0047	ND	ND	ND	0.11
AQ022513:1140NP4-3	2/25/2013	11:40	ND	ND	0.0210	ND	0.0042	ND	ND	ND	ND	ND	0.0038	0.0026	ND	ND	0.05
AQ031313:1210NP4-3	3/13/2013	12:10	ND	ND	0.0095	ND	ND	ND	ND	ND	ND	ND	0.0020	ND	ND	ND	0.02
AQ042213:1610NP4-3	4/22/2013	16:10	ND	ND	0.0150	ND	0.0029	0.0013	ND	ND	ND	ND	0.0032	0.0017 B	ND	ND	0.04
AQ050813:1310NP4-3	5/8/2013	13:10	ND	ND	0.0110	ND	0.0023	0.0013	ND	ND	ND	ND	ND	0.0011	ND	ND	0.03
AQ062513:1140NP4-3	6/25/2013	11:40	0.0014	ND	0.0059	ND	0.0016	0.0013	ND	ND	ND	ND	0.0018	0.001 B	ND	ND	0.04
AQ072913:1310NP4-3	7/29/2013	13:10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.01

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

Note:
NA - Not Applicable. Method blank contamination. The associated method blank contains the target analyte at a reportable level.
NS - Not Sampled
ND - Not Detected
B - Method blank contamination, the associated method blank contains the target analyte at a reportable level.
The air quality results summarized above are for the compounds listed in the FSP&T groundwater discharge permit. Low concentrations of additional compounds are accounted for in the Total VOCs column, however, are not listed.

TABLE 4

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

Recovery Well Water Quality Results

Recovery Well	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-1	13-Jan-05	ND<1	ND<1	ND<1	1.5	2.1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	8-Feb-05	ND<1	ND<1	ND<1	4.6	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	15-Mar-05	ND<1	ND<1	ND<1	2.5	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	19-Apr-05	ND<1	ND<1	ND<1	1.5	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	2-May-05	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	16-Jun-05	ND<1	ND<1	ND<1	4.0	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	RW-1 was shut down on July 13, 2005 with EPA approval.													
	14-Jul-05	ND<1	ND<1	ND<1	2.1	ND<1	ND<1	ND<1	ND<1	**8.4***	ND<1	ND<1	3.3	1.3
	7-Mar-06	ND<1	ND<1	ND<1	5.2	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	19-Sep-06	ND<1	ND<1	ND<1	1.7	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	7-Mar-07	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	3-Oct-07	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	13-Mar-08	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	17-Sep-08	ND<1	ND<1	ND<1	1.1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	19-Mar-09	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	16-Sep-09	ND<1	ND<1	ND<1	1.0	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	17-Mar-10	ND<1	ND<1	ND<1	0.63 J	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	17-Sep-10	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	9-Mar-11	ND<1	ND<1	ND<1	0.60	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	15-Sep-11	ND<5	ND<5	ND<5	0.84 J	ND<5	ND<5	ND<1	ND<1	**7.1 B**	ND<1	ND<5	ND<10	ND<5
	23-Mar-12	ND<0.5	ND<0.5	ND<0.5	1.3	ND<0.5	ND<0.5	ND<1	ND<0.5	0.75 J,B	0.11 J	ND<0.5	ND<2	ND<0.5
	20-Sep-12	ND<0.5	ND<0.5	ND<0.5	0.72	ND<0.5	ND<0.5	ND<1	ND<0.5	1.2 J,B	ND<1	ND<0.5	ND<2	ND<0.5
	19-Mar-13	ND<0.5	ND<0.5	ND<0.5	0.47 J	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<2	ND<.5	ND<0.5	ND<2	ND<0.5
RW-2	12-Jul-11	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	23-Aug-11	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	15-Sep-11	0.96 J	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	3.9 B	ND<5	ND<5	ND<10	ND<5
	18-Oct-11	0.97	0.18 J	0.74	0.17 J	ND<0.5	0.25 J	ND<0.5	ND<0.5	0.96 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	8-Nov-11	1.6	0.20 J	0.12 J	0.22 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.95 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	20-Dec-11	1.0	0.25 J	0.49 J	0.16 J	ND<0.5	0.11 J	ND<0.5	ND<0.5	0.44 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	24-Jan-12	0.64	0.22 J	0.41 J	0.13 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.27 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	14-Feb-12	0.84	0.28 J	0.45 J	0.15 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.42 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	19-Mar-12	0.81	0.16 J	0.11 J	0.12 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.93 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	10-Apr-12	0.58	0.18 J	0.25 J	0.16 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.46 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	14-May-12	0.57	0.19 J	0.27 J	0.17 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.8 B	ND<0.5	ND<0.5	ND<1	ND<0.5
	20-Jun-12	0.57	0.21 J	0.26 J	0.12 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.74 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	10-Jul-12	0.91	0.15 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.2 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	8-Aug-12	0.53	0.21 J	0.23 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	0.56	0.17 J	0.34 J	ND<0.5
	18-Sep-12	0.52	0.25 J	0.25 J	0.10 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.3 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	1-Nov-12	0.66	0.34 J	0.30 J	0.11 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
	27-Nov-12	1.3	0.43 J	0.17 J	0.11 J	ND<0.5	ND<0.5	0.65	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	12-Dec-12	1.3	0.66	0.24 J	ND<0.5	ND<0.5	ND<0.5	0.70	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	14-Jan-13	1.0	0.61	0.26 J	ND<0.5	ND<0.5	ND<0.5	0.47 J	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	13-Feb-13	1.1	0.71	0.26 J	ND<0.5	ND<0.5	ND<0.5	0.57	ND<0.5	1.1 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	19-Mar-13	0.93	0.54	0.32 J	ND<0.5	ND<0.5	ND<0.5	0.81	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	23-Apr-13	0.74	0.45 J	0.24 J	ND<0.5	ND<0.5	ND<0.5	0.59	ND<0.5	1.9 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	29-May-13	0.59	0.41 J	0.21 J	ND<0.5	ND<0.5	ND<0.5	0.37 J	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	17-Jun-13	0.68	0.51	0.28 J	ND<0.5	ND<0.5	ND<0.5	0.39 J	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	29-Jul-13	0.93	0.54	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.61	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5

TABLE 4

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

Recovery Well Water Quality Results

Recovery Well	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-3 [3/]	21-Jun-11	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	12-Jul-11	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	23-Aug-11	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	15-Sep-11	ND<5	0.93	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	**7.0 J,B**	ND<5	ND<5	ND<10	ND<5
	18-Oct-11	0.16 J	0.59	0.19 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.70 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	8-Nov-11	0.16 J	0.81	0.22 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.66 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	20-Dec-11	0.17 J	0.87	0.33 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.53 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	24-Jan-12	0.20 J	1.0	0.33 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.33 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	14-Feb-12	0.23 J	0.90	0.33 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.47 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	19-Mar-12	0.19 J	0.81	0.27 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.92 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	10-Apr-12	0.12 J	0.52	0.16 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.48 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	17-May-12	0.64	0.53	0.18 J	ND<0.5	ND<0.5	ND<0.5	0.27 J	ND<0.5	2.5 B	ND<0.5	ND<0.5	ND<1	ND<0.5
	RW-3 was shut down on May 21, 2012 with EPA approval.													
	20-Jun-12	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.56 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	10-Jul-12	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.1 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	27-Aug-12	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
	20-Sep-12	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.4 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	1-Nov-12	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
	27-Nov-12	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
	12-Dec-12	0.10 J	0.18 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.28 J,B	ND<0.5	ND<0.5	0.22 J	ND<0.5
	19-Mar-13	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-Jun-13	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
RW-4	12-Jul-11	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	23-Aug-11	ND<1	ND<1	0.92	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	15-Sep-11	1.1 J	ND<5	2.7	ND<5	ND<5	1.4 J	ND<5	ND<5	3.9 B	ND<5	ND<5	ND<10	ND<5
	18-Oct-11	1.1	0.14 J	3.9	0.15 J	ND<0.5	1.8	ND<0.5	0.17 J	0.47 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	8-Nov-11	1.5	0.22 J	1.8	0.15 J	ND<0.5	0.61	ND<0.5	ND<0.5	0.66 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	20-Dec-11	1.2	0.14 J	4.2	0.16 J	ND<0.5	1.6	ND<0.5	0.18 J	0.47 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	24-Jan-12	0.93	0.14 J	3.3	0.17 J	ND<0.5	1.4	ND<0.5	0.15 J	0.34 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	14-Feb-12	1.1	0.13 J	4.0	0.19 J	ND<0.5	1.8	ND<0.5	0.26 J	0.43 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	19-Mar-12	1.4	0.18 J	3.6	0.16 J	ND<0.5	1.1	ND<0.5	0.19 J	0.91 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	10-Apr-12	0.86	0.11 J	3.4	0.18 J	0.10 J	1.9	ND<0.5	0.14 J	0.50 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	17-May-12	1.8	0.30 J	0.44 J	ND<0.5	ND<0.5	0.16 J	0.18 J	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	20-Jun-12	0.91	0.13 J	3.6	0.19 J	ND<0.5	1.9	ND<0.5	0.17 J	0.68 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	10-Jul-12	1.3	0.15 J	1.9	0.14 J	ND<0.5	0.65	ND<0.5	ND<0.5	1.1 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	8-Aug-12	0.90	0.11 J	2.6	0.25 J	ND<0.5	1.6	ND<0.5	0.14 J	ND<2	1.2	0.62	0.75 J	0.16 J
	18-Sep-12	0.95	0.15 J	2.2	0.24 J	ND<0.5	1.2	0.11 J	ND<0.5	1.3 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	1-Nov-12	0.75	0.11 J	2.3	0.23 J	ND<0.5	1.3	ND<0.5	0.1 J	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	27-Nov-12 [4/]	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12-Dec-12	0.96	0.14 J	2.1	0.24 J	ND<0.5	1.1	ND<0.5	ND<0.5	0.28 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	14-Jan-13	1.0	0.15 J	1.2	0.14 J	ND<0.5	0.49 J	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	13-Feb-13	1.5	0.25 J	2.0	0.16 J	ND<0.5	0.56	ND<0.5	ND<0.5	1.3 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	19-Mar-13	0.83	ND<0.5	2.4	0.14 J	ND<0.5	0.68	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	23-Apr-13	1.1	0.15 J	2.7	0.18 J	ND<0.5	0.77	ND<0.5	ND<0.5	2.1 B	ND<0.5	ND<0.5	ND<1	ND<0.5
	29-May-13	0.69	ND<0.5	2.3	0.21 J	ND<0.5	0.63	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	17-Jun-13	0.62	ND<0.5	3.8	0.25 J	ND<0.5	0.78	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	29-Jul-13	0.93	ND<0.5	1.3	0.29 J	ND<0.5	0.35 J	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5

TABLE 4

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

Recovery Well Water Quality Results

Recovery Well	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-5 [3/]	10-Mar-11	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	12-Apr-11	ND<1	ND<1	1.2	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	23-May-11	ND<1	ND<1	0.8 J	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	21-Jun-11	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	12-Jul-11	ND<1	ND<1	0.6 J	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	23-Aug-11	ND<1	ND<1	0.6 J	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	15-Sep-11	ND<5	ND<5	1.1 J	ND<5	ND<5	ND<5	ND<5	ND<5	4.8 J,B	ND<5	ND<5	ND<10	ND<5
	18-Oct-11	0.12 J	ND<0.5	1.4	0.50	ND<0.5	0.51	ND<0.5	ND<0.5	0.45 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	8-Nov-11	ND<0.5	ND<0.5	ND<0.5	0.76	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.86 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	20-Dec-11	0.15 J	ND<0.5	0.97	0.54	ND<0.5	0.73	ND<0.5	ND<0.5	0.57 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	24-Jan-12	ND<0.5	ND<0.5	0.68	0.54	ND<0.5	0.43 J	ND<0.5	ND<0.5	0.35 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	14-Feb-12	ND<0.5	ND<0.5	0.76	0.66	ND<0.5	0.61	ND<0.5	ND<0.5	0.36 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	19-Mar-12	0.16 J	ND<0.5	0.12 J	0.65	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.1 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	10-Apr-12	ND<0.5	ND<0.5	0.46 J	0.51	ND<0.5	0.35 J	ND<0.5	ND<0.5	0.47 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	17-May-12	0.17 J	ND<0.5	0.49 J	0.53	ND<0.5	0.38 J	ND<0.5	ND<0.5	2.7 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	RW-5 was shut down on May 23, 2012 with EPA approval.													
	20-Jun-12	ND<0.5	ND<0.5	ND<0.5	0.67	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.63 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	10-Jul-12	ND<0.5	ND<0.5	ND<0.5	0.70	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.2 J,B	0.22 J	ND<0.5	ND<1	ND<0.5
	27-Aug-12	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.98	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	20-Sep-12	ND<0.5	ND<0.5	ND<0.5	0.80	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.3 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	1-Nov-12	ND<0.5	ND<0.5	ND<0.5	0.89	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
	27-Nov-12	ND<0.5	ND<0.5	ND<0.5	0.96	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
	12-Dec-12	ND<0.5	ND<0.5	ND<0.5	0.96	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.26 J,B	ND<0.5	ND<0.5	0.37 J	0.12 J
	19-Mar-13	ND<0.5	ND<0.5	ND<0.5	0.76	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-Jun-13	ND<0.5	ND<0.5	ND<0.5	0.99	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
RW-6	12-Jul-11	1.0	ND<1	0.8 J	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	23-Aug-11	1.3	ND<1	1.2	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	15-Sep-11	3.6 J	ND<5	2.7 J	ND<5	ND<5	1.0 J	ND<5	ND<1	4.5 J,B	ND<5	ND<5	ND<10	ND<5
	18-Oct-11	3.5	0.13 J	2.8	0.26 J	0.27 J	0.87	ND<0.5	0.19 J	0.37 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	8-Nov-11	4.2	0.13 J	3.4	0.35 J	0.35 J	1.1	ND<0.5	0.11 J	0.83 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	20-Dec-11	4.0	0.15 J	2.4	0.33 J	0.23 J	0.83	ND<0.5	0.17 J	0.49 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	24-Jan-12	2.8	0.12 J	2.3	0.28 J	ND<0.5	0.65	ND<0.5	0.15 J	0.35 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	14-Feb-12	3.2	0.11 J	2.6	0.28 J	ND<0.5	0.82	ND<0.5	0.19 J	0.47 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	19-Mar-12	3.2	0.12 J	2.7	0.22 J	0.25 J	0.86	ND<0.5	0.19 J	1.2 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	10-Apr-12	2.8	0.12 J	2.0	0.25 J	0.24 J	0.62	ND<0.5	0.13 J	0.46 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	17-May-12	2.9	0.13 J	2.1	0.31 J	ND<0.5	0.58	ND<0.5	0.14 J	2.8 B	ND<0.5	ND<0.5	ND<1	ND<0.5
	20-Jun-12	3.1	0.13 J	2.0	0.28 J	0.27 J	0.58	ND<0.5	0.14 J	0.84 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	10-Jul-12	3.1	0.13 J	2.2	0.25 J	ND<0.5	0.65	ND<0.5	0.14 J	1.2 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	8-Aug-12	2.6	0.11 J	1.6	0.33 J	ND<0.5	0.57	ND<0.5	0.12 J	ND<2	0.59	0.26 J	0.31 J	ND<0.5
	18-Sep-12	2.8	0.13 J	1.5	0.36 J	ND<0.5	0.47 J	0.11 J	ND<0.5	1.3 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	1-Nov-12	2.3	0.12 J	1.1	0.34 J	ND<0.5	0.35 J	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	27-Nov-12	2.2	0.10 J	1.2	0.35 J	ND<0.5	0.38 J	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	12-Dec-12	2.4	0.10 J	1.0	0.33 J	ND<0.5	0.36 J	ND<0.5	ND<0.5	0.30 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	14-Jan-13	2.3	0.10 J	0.9	0.26 J	ND<0.5	0.29 J	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	13-Feb-13	1.3	ND<0.5	0.45 J	0.16 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.8 B	ND<0.5	ND<0.5	ND<1	ND<0.5
	19-Mar-13	1.9	ND<0.5	0.58	0.27 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
	23-Apr-13	2.0	ND<0.5	0.56	0.27 J	ND<0.5	0.29 J	ND<0.5	ND<0.5	2.0 B	ND<0.5	ND<0.5	ND<1	ND<0.5
	29-May-13	1.9	ND<0.5	0.51	0.24 J	ND<0.5	0.37 J	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	17-Jun-13	2.1	ND<0.5	0.63	0.28 J	ND<0.5	0.29 J	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	29-Jul-13	1.7	ND<0.5	0.50	0.27 J	ND<0.5	0.34 J	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5

TABLE 4

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

Recovery Well Water Quality Results

Recovery Well	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-7	12-Jul-11	0.5 J	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	23-Aug-11	0.8 J	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	9/15/2011 [2/]	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	18-Oct-11	4.5	0.18 J	0.53	ND<0.5	0.15	0.40 J	ND<0.5	ND<0.5	0.36 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	8-Nov-11	4.4	0.15 J	0.60	ND<0.5	0.25	0.59	ND<0.5	ND<0.5	0.82 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	20-Dec-11	2.2	0.11 J	0.43 J	0.11 J	0.13	0.28 J	ND<0.5	ND<0.5	0.50 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	24-Jan-12	1.4	ND<0.5	0.33 J	0.15 J	0.20 J	0.22 J	ND<0.5	ND<0.5	0.37 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	14-Feb-12	1.9	0.11 J	0.40 J	0.18 J	ND<0.5	0.28 J	ND<0.5	ND<0.5	0.38 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	19-Mar-12	2.2	0.12 J	0.29 J	ND<0.5	0.11 J	0.02 J	ND<0.5	ND<0.5	1.3 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	10-Apr-12	1.1	ND<0.5	0.24 J	0.19 J	0.18 J	0.18 J	ND<0.5	ND<0.5	0.52 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	17-May-12	0.9	ND<0.5	0.19 J	0.21 J	ND<0.5	0.14 J	ND<0.5	ND<0.5	3.0 B	ND<0.5	ND<0.5	ND<1	ND<0.5
	20-Jun-12	1.0	ND<0.5	0.21 J	0.22 J	0.21 J	0.14 J	ND<0.5	ND<0.5	0.87 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	10-Jul-12	1.6	ND<0.5	0.28 J	ND<0.5	ND<0.5	0.22 J	ND<0.5	ND<0.5	1.2 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	8-Aug-12	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	0.37 J	0.11 J	0.15 J	ND<0.5
	18-Sep-12	0.76	ND<0.5	0.21 J	0.26 J	ND<0.5	0.13 J	ND<0.5	ND<0.5	1.3 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	1-Nov-12	0.50	ND<0.5	0.14 J	0.27 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
	27-Nov-12	0.89	ND<0.5	0.27 J	0.19 J	ND<0.5	0.15 J	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	12-Dec-12	0.64	ND<0.5	0.18 J	0.26 J	ND<0.5	0.11 J	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	14-Jan-13	0.70	ND<0.5	0.20 J	0.12 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
	13-Feb-13	0.96	ND<0.5	0.34 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.0 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	19-Mar-13	0.52	ND<0.5	0.17 J	0.17 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
	23-Apr-13	0.67	ND<0.5	0.16 J	0.19 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.8 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	29-May-13	0.53	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-Jun-13	0.73	ND<0.5	0.20 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
	29-Jul-13	0.65	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
RW-8 [3/]	21-Jun-11	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	12-Jul-11	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	23-Aug-11	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	15-Sep-11	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<1	4.4 J,B	ND<5	ND<5	ND<10	ND<5
	18-Oct-11	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.40 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	8-Nov-11	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.80 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	20-Dec-11	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.52 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	24-Jan-12	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.42 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	14-Feb-12	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.46 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	19-Mar-12	0.12 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.4 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	10-Apr-12	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.44 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	RW-8 was shut down on April 30, 2012 with EPA approval.													
	17-May-12	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 J,B	0.94	ND<0.5	0.99 J	0.41 J
	20-Jun-12	0.11 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.63 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	10-Jul-12	0.10 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.2 J,B	0.12 J	ND<0.5	ND<1	ND<0.5
	27-Aug-12	0.11 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
	20-Sep-12	0.10 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.2 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	1-Nov-12	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
	27-Nov-12	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
	12-Dec-12	0.13 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	0.22 J	ND<0.5
	19-Mar-13	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-Jun-13	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

TABLE 4

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

Recovery Well Water Quality Results

Recovery Well	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-9 [3/]	21-Jun-11	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	12-Jul-11	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	23-Aug-11	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	15-Sep-11	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	4.6 J,B	ND<5	ND<5	ND<10	ND<5
	18-Oct-11	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.42 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	8-Nov-11	ND<0.5	ND<0.5	ND<0.5	0.16	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.82 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	20-Dec-11	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.51 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	24-Jan-12	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.14 J	ND<0.5	ND<0.5	ND<0.5	0.44 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	14-Feb-12	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.37 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	19-Mar-12	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 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	10-Apr-12	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.48 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	RW-9 was shut down on April 23, 2012 with EPA approval.													
	17-May-12	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.3 B	0.75	ND<0.5	0.57 J	0.19 J
	20-Jun-12	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.65 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	10-Jul-12	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.3 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	27-Aug-12	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
	19-Sep-12	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.2 J,B	ND<0.5	ND<0.5	ND<1	ND<0.5
	1-Nov-12	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
	27-Nov-12	0.16 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
	12-Dec-12	ND<0.5	ND<0.5	ND<0.5	0.13 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.28 J,B	ND<0.5	ND<0.5	0.23 J	ND<0.5
	19-Mar-13	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-Jun-13	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

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/] Chloromethane, a constituent not previously detected, was detected in the groundwater sample collected from RW-9 at a concentration of 1.8 ug/l.
[2/] RW-7 was not sampled because the RW-7 pump was not operable at the time of the sampling event.
[3/] Starting in June 2012 groundwater samples from these recovery wells are collected via low-flow methods.
[4/] RW-4 was not sampled because the well vault could not be opened due to ponding above the well vault caused by heavy rain fall.

TABLE 5

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	T12DCE	VC	TCA	11DCA	135TMB	124TCB	124TMB	EB	Benzene	o-Xylenes	m-&p-Xylenes	Toluene	Napthalene	MC	Bromomethane	Acetone
ARARs	**5**	**5**	**5**	**5**	**1 [1/]**	**5**	**5**	**5 [1/]**	**5 [1/]**	**5 [1/]**	**5**	**1 [1/]**	**5**	**5**	**5**	**NE**	**5**	**5 [1/]**	**NE**
12-Jul-11	**18**	0.6	1.2	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1
18-Aug-11	**22**	1.2	**5.4**	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1
15-Sep-11	**37**	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<1	ND<1	ND<1	ND<5	ND<5	ND<10	4.4 J,B	ND<5	4.0 J,B
11-Oct-11	**16**	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<5	ND<10	ND<5	ND<1	ND<1	ND<1	ND<5	ND<5	ND<10	5.0 J,B	ND<5	--
8-Nov-11	**38**	0.41 J	0.18 J	ND<0.5	ND<0.5	0.26 J	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	0.87 J,B	ND<0.5	ND<2
20-Dec-11	**74**	2.4	**12**	ND<0.5	0.34 J	1.4	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.28 J,B	0.36 J,B	ND<0.5	ND<2
24-Jan-12	**52**	1.5 J	**6.6**	ND<0.5	ND<5	ND<5	ND<0.5	ND<5	ND<20	2.2 J	2.3 J	**2.2 J**	4.7 J	**8.8 J**	**12**	2.3 J,B	14 J,B	ND<0.5	ND<20
14-Feb-12	**66**	2.0 J	**8.0**	ND<0.5	ND<6	ND<5	ND<0.5	1.4 J	1.0 J	4.3 J	3.1 J	**1.2 J**	3.0 J	**9.0 J**	2.3 J	3.8 J,B	18 J,B	ND<0.5	32.0
19-Mar-12	**37**	1.0	3.0	ND<0.5	ND<0.5	0.24 J	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.12 J	1.5 J,B	ND<0.5	ND<2
10-Apr-12	**63**	1.0	1.8	ND<0.5	ND<0.5	0.98	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.12 J,B	0.63 J,B	ND<0.5	ND<2
The FRWs were shut down on April 19, 2012																			
17-May-12	**290**	**14**	**170**	0.25 J	0.54	**7.1**	1.2	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.19 J,B	2.6 B	ND<0.5	2.7 B
The FRWs were restarted on June 7, 2012																			
20-Jun-12	**52**	3.7	**10**	ND<0.5	ND<0.5	1.0	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.2 J,B	5.6 B	ND<0.5	ND<2
10-Jul-12	**21**	2.2	**31**	ND<0.5	ND<0.5	0.17 J	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.4 J,B	ND<0.5	ND<2
The FRWs were shut down on July 30, 2012																			
21-Aug-12	**48**	**15**	**150**	0.29 J	**1.7**	3.1	1.0	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.15 J	1.2 J,B	ND<2	ND<0.5	ND<2
4-Sep-12	**130**	**38**	**130**	0.35 J	ND<0.5	4.8	1.3	ND<0.5	ND<2	ND<0.5	0.23 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	0.32 J	2.4 B
19-Sep-12	**130**	**39**	**170**	0.32 J	0.8	5.8	1.4	ND<0.5	ND<2	ND<0.5	0.20 J	ND<0.5	ND<0.5	ND<0.5	0.10 J	ND<0.5	ND<2	ND<0.5	ND<2
31-Oct-12	**23**	**10**	**190**	ND<5	**8.0**	3.5	1.9	ND<5	ND<20	ND<5	ND<5	ND<5	ND<5	ND<5	1.7	2.0	ND<20	ND<5	ND<20
18-Dec-12	**110**	**11**	**60**	0.16 J	**11**	3.9	2.2	ND<0.5	ND<2	ND<0.5	0.23 J	0.18 J	0.12 J	0.24 J	0.31 J	ND<0.5	ND<2	ND<0.5	3.5 B
20-Feb-13	**1,100**	**25**	**15**	ND<5	0.48 J	**17**	1.6	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.13 J	0.79 J,B	ND<0.5	2.4 B
20-Mar-13 [2/]	**510**	**48**	**110**	**6.5**	**3.0**	**7.1**	1.4	ND<0.5	ND<2	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	6.0 B
23-Apr-13	**360**	**42**	**290**	0.53	**9.5**	4.4	2.0	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.5 B	ND<0.5	1.5 J,B
20-May-13	**210**	**36**	**180**	0.52	**20**	**6.2**	2.4	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.3 J	ND<0.5	2.2
The FRWs were restarted on June 12, 2013																			
12-Jun-13	**100**	3.1	**6.1**	ND<0.5	ND<0.5	1.8	ND<0.5	ND<0.5	ND<2	0.35 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.7 J	ND<0.5	ND<2
17-Jun-13	**310**	4.8	**8.7**	ND<0.5	ND<0.5	3.5	ND<0.5	ND<0.5	ND<2	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<0.5	ND<2
23-Jul-13	**77**	**6.2**	**27**	ND<0.5	**27**	0.5	0.22 J	ND<0.5	ND<2	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<0.5	ND<2

ARARs - Applicable Relevant and Appropriate Requirements for aquifer restoration established for the Site.
1. NYSDEC ambient water quality standards for these compounds are presented because site-specific ARARs for these compounds were not established.
2. During March 2013 the groundwater sample from this well was also analyzed for Ethane and Ethene; nither compound was detected.
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

PCE: Tetrachloroethylene
11DCA: 1,1-Dichloroethane
124TCB: 1,2,4-Trichlorobenzene
MC: Methylene chloride
TCE: Trichloroethene
11DCE: 1,1-Dichloroethylene
124TMB: 1,2,4-Trimethylbenzene
112TCA: 1,1,2-Trichloroethane
cis12DCE: cis-1,2-Dichloroethene
T12DCE: trans-1,2-Dichloroethylene
EB: Ethyl Benzene
TCA: 1,1,1-Trichloroethane
135TMB: 1,3,5-Trimethylbenzene
VC: Vinyl chloride

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 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.

TABLE 6

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**	**T12DCE**	**VC**	**TCA**	**11DCA**	**Toluene**	**Napthalene**	**Chloroform**	**EB**	**Benzene**	**MC**	**Acetone**
ARARs	**5**	**5**	**5**	**5**	**1** [1/]	**5**	**5**	**5**	**NE**	**7**	**5**	**1** [1/]	**5**	**NE**
12-Jul-11	**6.8**	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1
18-Aug-11	**7.5**	1.4	**7.8**	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1
15-Sep-11	**24**	1.4 J	1.4 J	ND<5	ND<5	ND<5	ND<5	ND<5	ND<10	ND<5	ND<5	ND<5	4.0 J,B	3.9 J,B
11-Oct-11	**32**	2.5 J	**6.7**	ND<5	ND<5	ND<5	ND<5	ND<5	ND<10	ND<5	ND<5	ND<5	4.0 J,B	--
8-Nov-11	**27**	2.7	**16**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.33 J	ND<2	ND<0.5	ND<0.5	0.11 J	0.77 J,B	ND<2
20-Dec-11	**46**	0.77	1.4	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.20 J,B	ND<0.5	ND<0.5	ND<0.5	0.35 J,B	ND<2
24-Jan-12	**28**	0.42 J	0.9	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.13 J,B	ND<0.5	ND<0.5	ND<0.5	0.46 J,B	ND<2
14-Feb-12	**16**	0.28 J	0.6	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.33 J	0.18 J,B	ND<0.5	ND<0.5	ND<0.5	0.58 J,B	ND<2
19-Mar-12	**25**	1.8	4.6	ND<0.5	0.10 J	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	0.10 J	1.8 J,B	ND<2
10-Apr-12	**50**	0.78	0.39 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<0.5	0.49 J,B	ND<2
The FRWs were shut down on April 19, 2012														
17-May-12	**24**	4.5	**76**	ND<0.5	0.42 J	0.25 J	ND<0.5	ND<0.5	0.14 J,B	0.12 J	0.14 J	0.12 J	2.6 B	2.4 B
The FRWs were restarted on June 7, 2012														
20-Jun-12	**48**	0.83	0.32 J	ND<0.5	ND<0.5	0.13 J	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	4.6 B	1.3 J,B
10-Jul-12	**40**	4.9	**17**	ND<0.5	0.70	0.12 J	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	0.13 J	1.2 J,B	ND<2
The FRWs were shut down on July 30, 2012														
21-Aug-12	**40**	**8.5**	**87**	0.24 J	0.57	0.37 J	0.13 J	0.12 J	0.73 J,B	0.54	0.17 J	0.23 J	ND<2	1.0 J,B
4-Sep-12	**59**	**9.8**	**68**	0.15 J	ND<5	0.43 J	0.16 J	0.14 J	ND<2	0.48 J	0.28 J	0.33 J	ND<2	3.5 B
19-Sep-12	**69**	**13**	**42**	0.13 J	0.29 J	0.51	0.13 J	0.13 J	ND<2	0.44 J	0.31 J	0.31 J	ND<2	1.9 J,B
31-Oct-12	**65**	**11**	**25**	ND<2.5	ND<2.5	ND<2.5	ND<2.5	1.5 J	ND<10	ND<2.5	ND<2.5	ND<2.5	ND<10	ND<10
18-Dec-12	**51**	**13**	**51**	0.14 J	0.65	0.50	0.17 J	ND<0.5	ND<2	0.10 J	0.26 J	0.33 J	ND<2	31 B
20-Feb-13	**9.1**	1.7	**70**	ND<0.5	**2.1**	0.37 J	0.31 J	0.37 J	ND<2	ND<0.5	0.28 J	0.38 J	0.87 J,B	35 B
20-Mar-13 [2/]	**6.8**	1.2	**69**	0.18 J	**9.1**	0.27 J	0.39 J	0.31 J	ND<2	ND<0.5	0.31 J	0.44 J	ND<2	60 B
23-Apr-13	4.0	1.4	**47**	ND<0.5	**7.9**	0.16 J	0.60	0.33 J	ND<2	ND<0.5	0.25 J	0.34 J	2.2 B	22 B
20-May-13	**6.0**	2.4	**49**	ND<0.5	**7.2**	0.2 J	1.1	0.39 J	ND<2	ND<0.5	0.11 J	0.32 J	2.8	7.7
The FRWs were restarted on June 12, 2013														
12-Jun-13	**45**	2.7	**22**	ND<0.5	**3.1**	0.35 J	1.3	0.27 J	ND<2	ND<0.5	ND<0.5	0.32 J	1.6 J	ND<2
17-Jun-13	**210**	**9.8**	**14**	ND<0.5	**1.0**	1.7 J	0.7	0.21 J	ND<2	ND<0.5	ND<0.5	0.21 J	ND<2	ND<2
23-Jul-13	**28**	3.1	**17**	ND<0.5	**2.2**	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<2	3.8

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. During March 2013 the groundwater sample from this well was also analyzed for Ethane and Ethene; nither compound

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

PCE: Tetrachloroethylene
TCE: Trichloroethene
cis12DCE: cis-1,2-Dichloroethene
T12DCE: trans-1,2-Dichloroethylene
TCA: 1,1,1-Trichloroethane
11DCA: 1,1-Dichloroethane
VC: Vinyl chloride
EB: Ethyl Benzene
MC: Methylene chloride
112TCA: 1,1,2-Trichloroethane

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 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.

TABLE 7

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**	**o-Xylene**	**EB**	**m-&p-Xylenes**	**Toluene**	**Napthalene**	**p-IPT**	**SBB**	**TBB**	**MC**	**Benzene**	**n-Butylbenzene**	**Acetone**
ARARs	**5**	**5**	**5**	**1 [1/]**	**5**	**5**	**5 [1/]**	**5 [1/]**	**5 [1/]**	**5**	**5**	**5**	**5**	**10 [1/]**	**NE**	**5 [1/]**		**5**			**NE**
11-May-11	**85**	3.5	**13**	ND<1	ND<1	ND<1	ND<1	0.69 J	0.52 J	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1
6-Jun-11	**80**	**12**	**47**	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1
12-Jul-11	**26**	ND<1	1.2	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1
18-Aug-11	**11**	1.8	**7.3**	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1
15-Sep-11	**16**	1.5 J	2.4 J	ND<5	ND<5	ND<5	ND<5	3.6 J	3.0 J	ND<5	ND<5	ND<5	ND<5	ND<20	ND<5	ND<5	ND<5	4.5 J,B	ND<5	ND<5	4.4 J,B
11-Oct-11	**28**	2.5	**15**	ND<5	ND<5	2.5 J	ND<5	1.6 J	1.0 J	ND<5	ND<5	ND<5	ND<5	ND<20	ND<5	ND<5	ND<5	4.6 J,B	ND<5	ND<5	--
8-Nov-11	**36**	0.78	3.0	ND<0.5	ND<0.5	0.22 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<0.5	0.75 J,B	ND<0.5	ND<0.5	ND<2
20-Dec-11	**68**	4.3	**9.7**	0.28 J	0.21 J	0.74	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<0.5	0.43 J,B	ND<0.5	ND<0.5	ND<2
24-Jan-12	**23**	1.7	**12**	0.64	ND<0.5	ND<0.5	ND<0.5	1.8	0.9	ND<0.5	0.12 J	ND<0.5	0.16 J	0.12 J,B	ND<0.5	ND<0.5	ND<0.5	0.34 J,B	ND<0.5	ND<0.5	ND<2
14-Feb-12	**22**	1.3	3.4	0.33 J	ND<0.5	ND<0.5	0.27 J	1.8	1.4	ND<0.5	0.10 J	0.15 J	0.10 J	0.19 J,B	ND<0.5	ND<0.5	ND<0.5	0.38 J,B	ND<0.5	ND<0.5	ND<2
19-Mar-12	**12**	1.1	4.0	0.14 J	ND<0.5	ND<0.5	0.19 J	1.7	0.97	ND<0.5	0.18 J	0.15 J	0.11 J	0.12 J	0.17 J	0.11 J	ND<0.5	1.5 J,B	ND<0.5	ND<0.5	ND<2
10-Apr-12	**23**	1.0	**5.3**	0.16 J	ND<0.5	ND<0.5	0.18 J	1.6	0.99	ND<0.5	ND<0.5	0.12 J	ND<0.5	0.13 J	0.20 J	0.11 J	ND<0.5	0.47 J	ND<0.5	ND<0.5	ND<2
The FRWs were shut down on April 19, 2012																					
17-May-12	**31**	**5.5**	**31**	**1.3**	0.20 J	0.18 J	ND<0.5	1.6	1.2	ND<0.5	0.11 J	0.11 J	0.21 J	0.14 J,B	0.14 J	0.10 J	ND<0.5	2.8 B	ND<0.5	ND<0.5	2.6 B
The FRWs were restarted on June 7, 2012																					
20-Jun-12	**65**	2.5	2.9	ND<0.5	ND<0.5	0.30 J	0.15 J	2.0	1.3	0.13 J	0.15 J	0.15 J	0.11 J	0.16 J,B	0.22 J	0.14 J	ND<0.5	6.5 B	ND<0.5	ND<0.5	ND<2
10-Jul-12	**23**	4.2	3.1	0.26 J	ND<0.5	ND<0.5	0.17 J	1.8	1.3	ND<0.5	0.12 J	0.14 J	0.12 J	0.12 J,B	0.20 J	0.12 J	ND<0.5	1.2 J,B	ND<0.5	ND<0.5	ND<2
The FRWs were shut down on July 30, 2012																					
21-Aug-12	**32**	**8.2**	**41**	1.0	0.20 J	0.39 J	ND<0.5	0.70	0.46 J	ND<0.5	ND<0.5	ND<0.5	0.12 J	0.53 J,B	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<2
4-Sep-12	**34**	**6.6**	**34**	ND<0.5	0.14 J	0.35 J	0.16 J	2.1	2.1	ND<0.5	ND<0.5	ND<0.5	0.43 J	0.12 J,B	0.18 J	0.17 J	0.12 J	0.27 J,B	0.26 J	0.13 J	2.0 B
19-Sep-12	**15**	**4.6**	**45**	0.92	0.14 J	0.29 J	ND<0.5	0.53	0.16 J	ND<0.5	ND<0.5	ND<0.5	0.15 J	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<2	0.22 J	ND<0.5	2.7 B
31-Oct-12	**25**	**8.8**	**37**	**1.5**	0.22 J	0.36 J	ND<1	0.68	0.3 J	ND<1	ND<1	ND<1	0.22 J	ND<4	ND<1	ND<1	ND<1	ND<4	0.44 J	ND<1	ND<4
18-Dec-12	**46**	**10**	**25**	**1.7**	0.30 J	0.43 J	ND<0.5	0.74	0.34 J	0.11 J	ND<0.5	0.23 J	0.13 J	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<2	0.49 J	ND<0.5	2.1
20-Feb-13	**35**	**7.7**	**69**	**5.4**	0.60	0.47 J	ND<0.5	0.29 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<0.5	0.97 J,B	0.17 J	ND<0.5	ND<2
20-Mar-13 [2/]	**25**	**7.8**	**120**	**3.4**	1.3	0.71	ND<0.5	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<0.5	ND<2	ND<0.5	ND<0.5	6.8 B
23-Apr-13	**1.3**	0.31 J	**370**	ND<0.5	3.6	0.56	ND<0.5	0.29 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.18 J	ND<2	ND<0.5	ND<0.5	ND<0.5	2.3 B	ND<0.5	ND<0.5	10 B
20-May-13	**1.4**	0.25 J	**320**	**9.2**	5.0	ND<0.5	ND<0.5	0.26 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.11 J	ND<2	ND<0.5	ND<0.5	ND<0.5	1.1 J	ND<0.5	ND<0.5	2.6
The FRWs were restarted on June 12, 2013																					
12-Jun-13	**9.9**	6.9 J	**46**	0.9	1.4	1.3	ND<0.5	0.35 J	0.5	ND<0.5	ND<0.5	ND<0.5	0.44 J	ND<2	ND<0.5	ND<0.5	ND<0.5	1.6 J	0.46 J	ND<0.5	ND<2
17-Jun-13	**230**	**18**	**70**	**5.4**	0.79	3.6	ND<0.5	1.6	0.87	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	4.1
23-Jul-13	**52**	**10**	**35**	**2.4**	0.28 J	0.42 J	ND<0.5	0.95	0.62	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<2

ARARs - Applicable Relevant and Appropriate Requirements for aquifer restoration established for the Site.
1. NYSDEC ambient water quality standards for these compounds are presented because site-specific ARARs for these compounds were not established.
2. During March 2013 the groundwater sample from this well was also analyzed for Ethane and Ethene; nither compound was detected.

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

PCE: Tetrachloroethylene
IPB: Isopropylbenzene
VC: Vinyl chloride
CM: Chloromethane

TCE: Trichloroethene
NPB: n-Propylbenzene
p-IPT: p-Isopropyltoluene
MC: Methylene chloride

cis12DCE: cis-1,2-Dichloroethene
EB: Ethyl Benzene
SBB: sec-Butylbenzene
TBB: tert-Butylbenzene

TCA: 1,1,1-Trichloroethane
11DCA: 1,1-Dichloroethane
135TMB: 1,3,5-Trimethylbenzene

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 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.

TABLE 8

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**	**11DCA**	**m-&p-Xylenes**	**o-Xylene**	**Napthalene**	**MC**	**Acetone**
ARARs	**5**	**5**	**5**	**1 [1/]**	**5**	**5**	**5**	**5**	**NE**	**5**	**NE**
11-May-11	3.4	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1
6-Jun-11	2.8	ND<1	0.7 J	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1
12-Jul-11	2.2	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1
18-Aug-11	2.8	ND<1	1.0	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1
15-Sep-11	**22**	0.99 J	3.1 J	ND<5	ND<5	ND<5	ND<10	ND<5	ND<10	4.8 J,B	4.5 J,B
11-Oct-11	**13**	2.0 J	1.6 J	ND<5	ND<5	ND<5	ND<10	ND<5	ND<10	4.3 J,B	--
8-Nov-11	**30**	1.8	**6.0**	ND<0.5	0.19 J	ND<0.5	ND<1	ND<0.5	ND<2	0.77 J,B	ND<2
20-Dec-11	**39**	1.7	2.4	ND<0.5	0.44 J	ND<0.5	ND<1	ND<0.5	0.21 J,B	0.47 J,B	ND<2
24-Jan-12	**15**	0.83	4.6	ND<0.5	0.13 J	ND<0.5	ND<1	ND<0.5	ND<2	0.31 J,B	1.2 J,B
14-Feb-12	**25**	0.98	3.3	ND<0.5	0.14 J	ND<0.5	ND<1	ND<0.5	0.13 J,B	0.55 J,B	ND<2
19-Mar-12	**22**	1.2	**6.8**	0.11 J	0.14 J	ND<0.5	ND<1	ND<0.5	ND<2	1.6 J,B	1.2 J,B
10-Apr-12	**12**	0.79	1.8	ND<0.5	0.10 J	ND<0.5	ND<1	ND<0.5	ND<2	0.50	ND<2
The FRWs were shut down on April 19, 2012											
17-May-12	**10**	0.88	**11**	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<0.5	0.12 J,B	2.4 B	1.6 J,B
The FRWs were restarted on June 7, 2012											
20-Jun-12	**21**	1.6	2.4	ND<0.5	0.16 J	ND<0.5	ND<1	ND<0.5	ND<2	7.1 B	ND<2
10-Jul-12	**24**	3.8	4.7	ND<0.5	0.27 J	ND<0.5	0.12 J	0.16 J	1.9 J,B	1.2 J,B	ND<2
The FRWs were shut down on July 30, 2012											
21-Aug-12	**14**	0.86	**19**	ND<0.5	0.21 J	ND<0.5	ND<1	ND<0.5	0.34 J,B	ND<2	ND<2
4-Sep-12	**13**	0.64	**21**	ND<0.5	0.21 J	ND<0.5	ND<1	ND<0.5	ND<2	ND<2	1.5 J,B
19-Sep-12	**6.1**	0.33 J	**25**	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<2	ND<2	ND<2
31-Oct-12	2.3	ND<0.5	**14**	ND<0.5	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<2	ND<2	2.8
18-Dec-12	0.36 J	0.13 J	1.1	ND<0.5	ND<0.5	ND<0.5	0.29 J	0.14 J	ND<2	ND<2	1.3 J,B
20-Feb-13	**15**	1.9	2.4	ND<0.5	0.72 J	ND<0.5	ND<1	ND<0.5	ND<2	1.4 J,B	ND<2
20-Mar-13 [2/]	**62**	8.8	**43**	0.10 J	2.4	1.9	ND<1	ND<0.5	ND<2	ND<2	1.5 J,B
23-Apr-13	**82**	**11**	**39**	ND<0.5	2.7	1.7	ND<1	ND<0.5	ND<2	2.0 B	ND<2
20-May-13	**47**	**13**	**22**	ND<0.5	3.5	1.4	ND<1	ND<0.5	ND<2	1.1 J	ND<2
The FRWs were restarted on June 12, 2013											
12-Jun-13	**25**	**7.5**	**9.3**	ND<0.5	0.99	0.49 J	ND<1	ND<0.5	ND<2	1.5 J	ND<2
17-Jun-13	**12**	2.1	3.0	ND<0.5	0.22 J	ND<0.5	ND<1	ND<0.5	ND<2	ND<2	ND<2
25-Jul-13	**27**	4.9	4.9	ND<0.5	0.69	ND<0.5	ND<1	ND<0.5	ND<2	ND<2	2.7

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. During March 2013 the groundwater sample from this well was also analyzed for Ethane and Ethene; nither

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

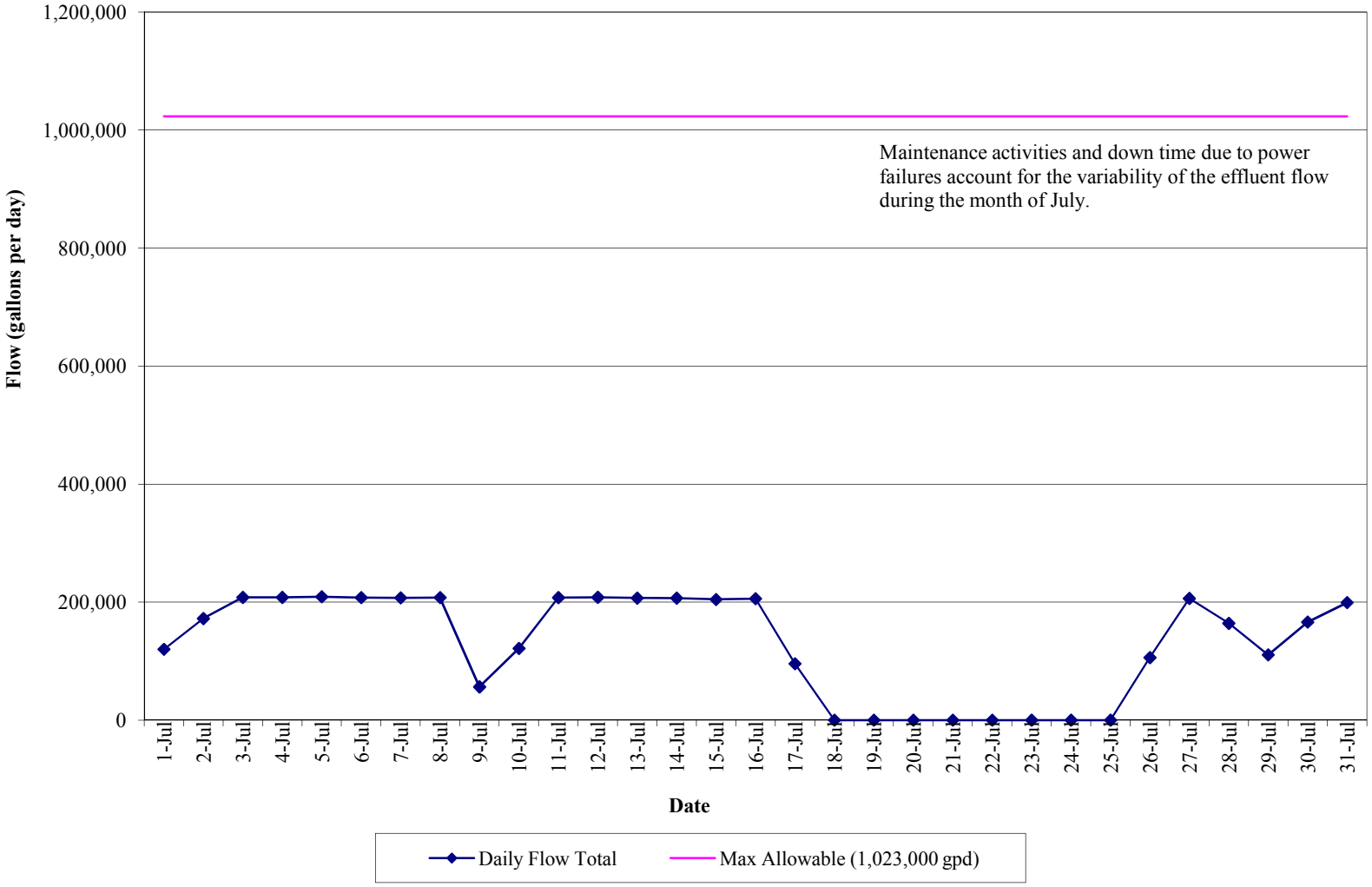
PCE: Tetrachloroethylene	TCE: Trichloroethene	cis12DCE: cis-1,2-Dichloroethene
IPB: Isopropylbenzene	NPB: n-Propylbenzene	NBB: n-Butylbenzene
VMC: Metylene Chloride	TCA: 1,1,1-Trichloroethane	C: Vinyl Chloride

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 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.

GRAPHS

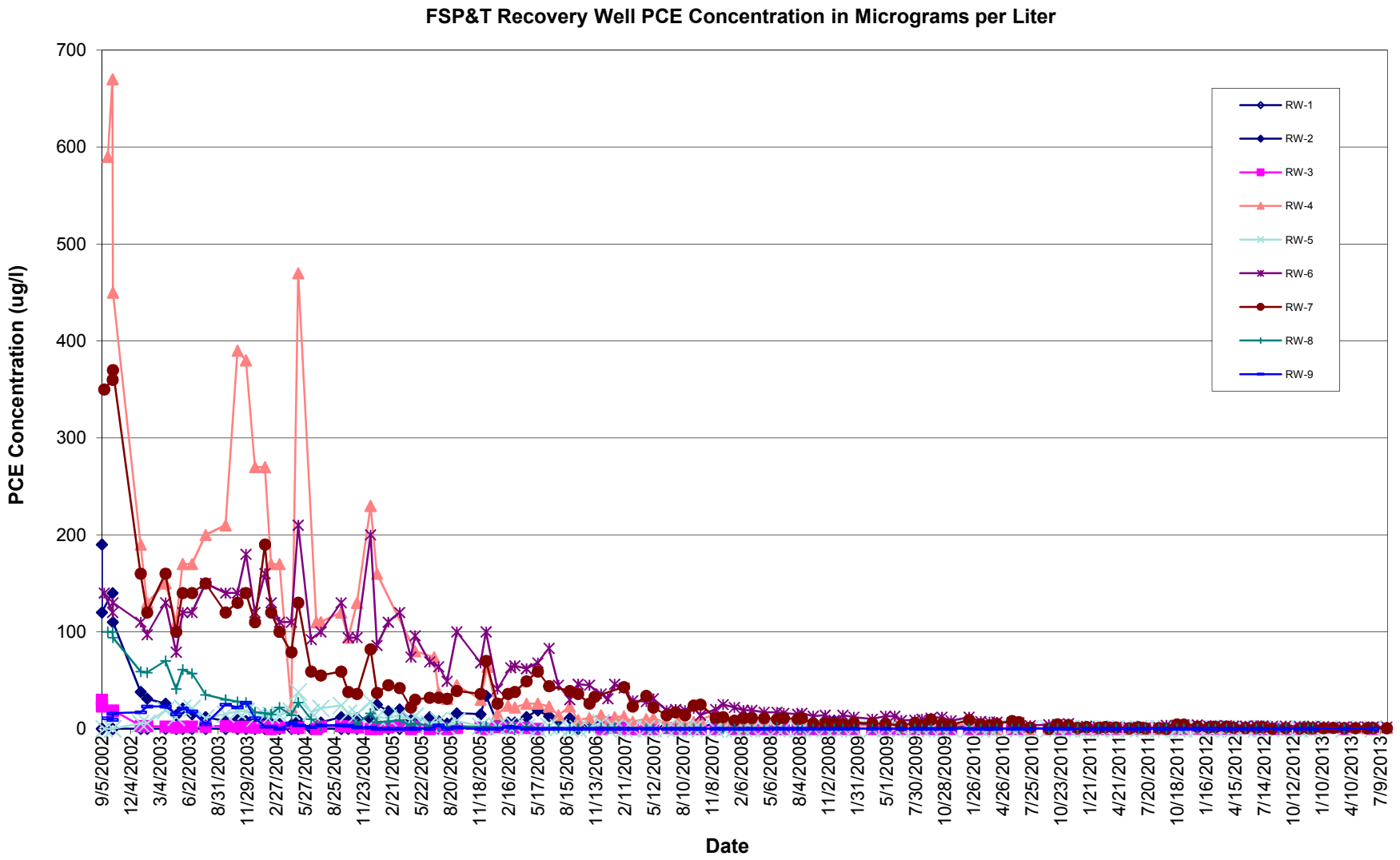
GRAPH 1
GROUNDWATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

Effluent Flow Data
(July 1, 2013 to July 31, 2013)



GRAPH 2

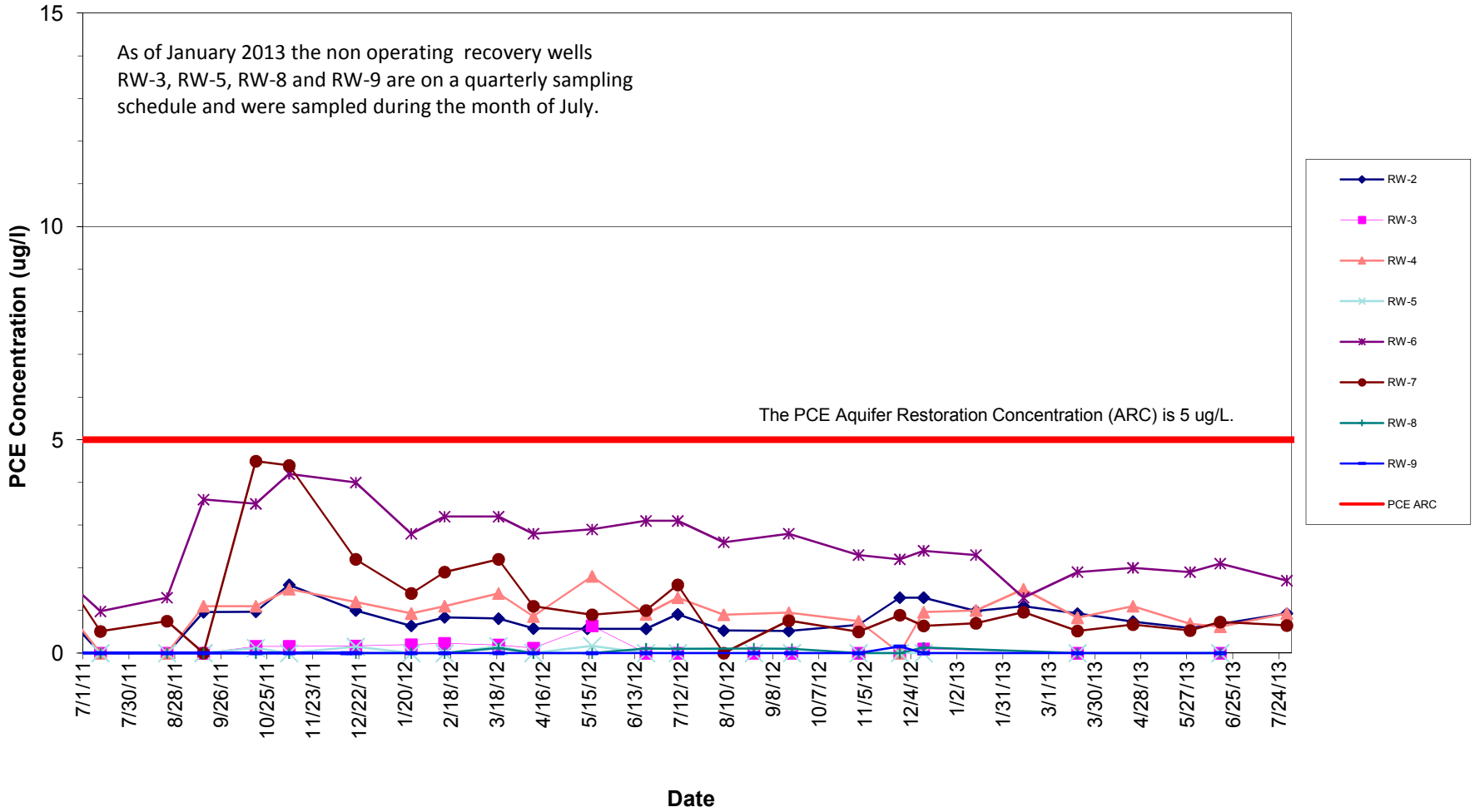
GROUNDWATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK



GRAPH 3

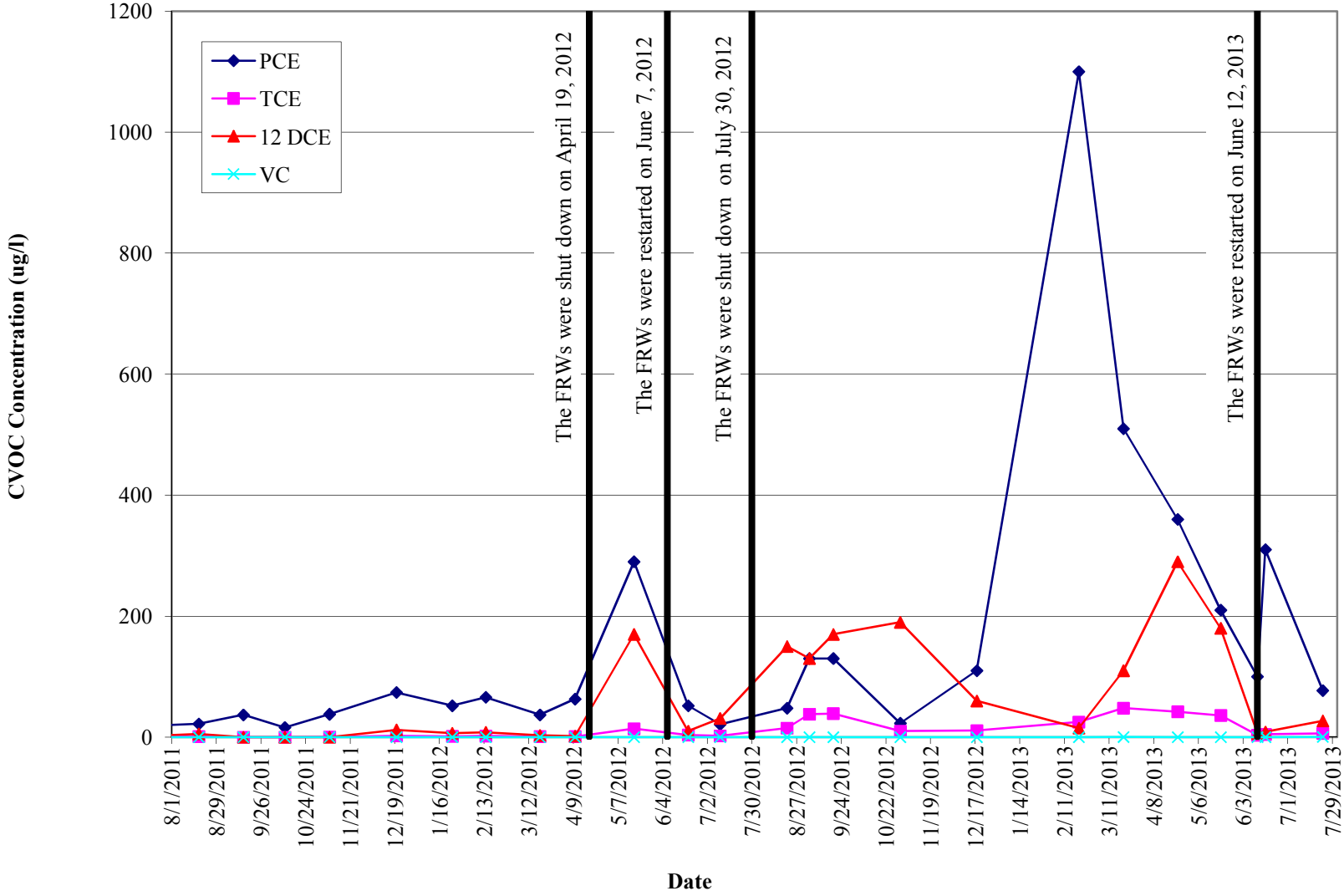
GROUNDWATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

FSP&T Recovery Well PCE Concentration



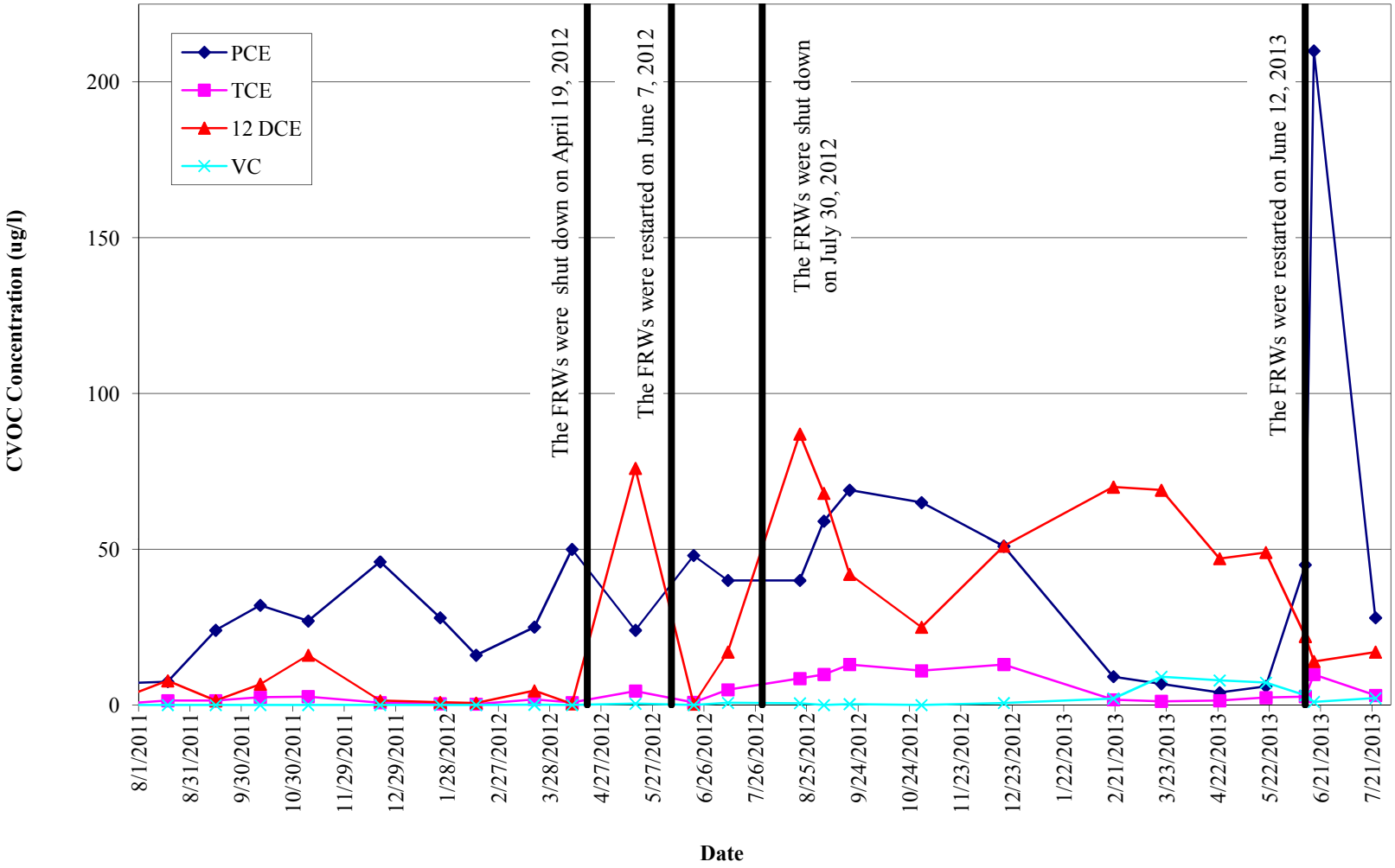
GRAPH 4
GROUNDWATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

FP&T Recovery Well VOC Concentrations for FRW-1



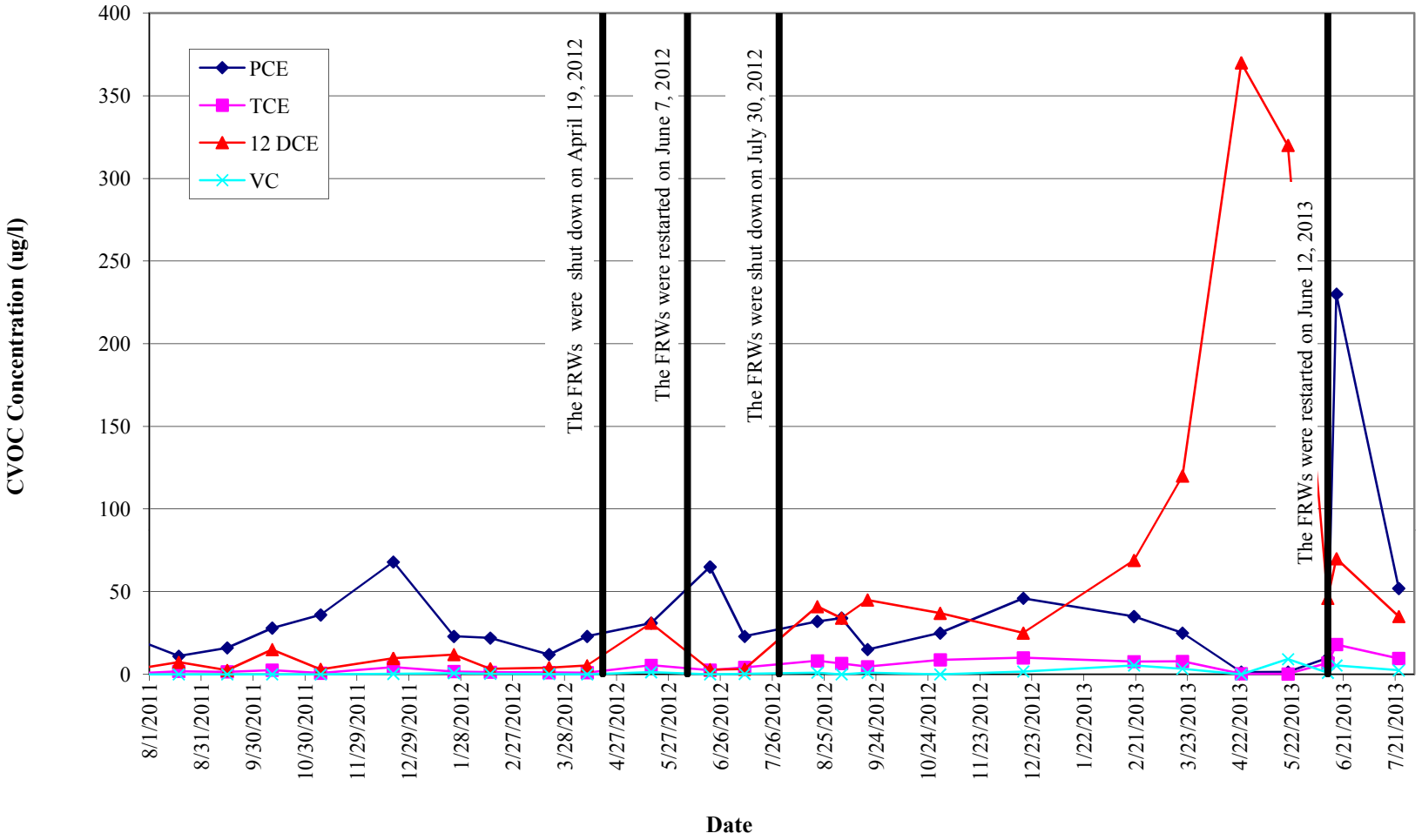
GRAPH 5
GROUNDWATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

FP&T Recovery Well VOC Concentrations for FRW-2



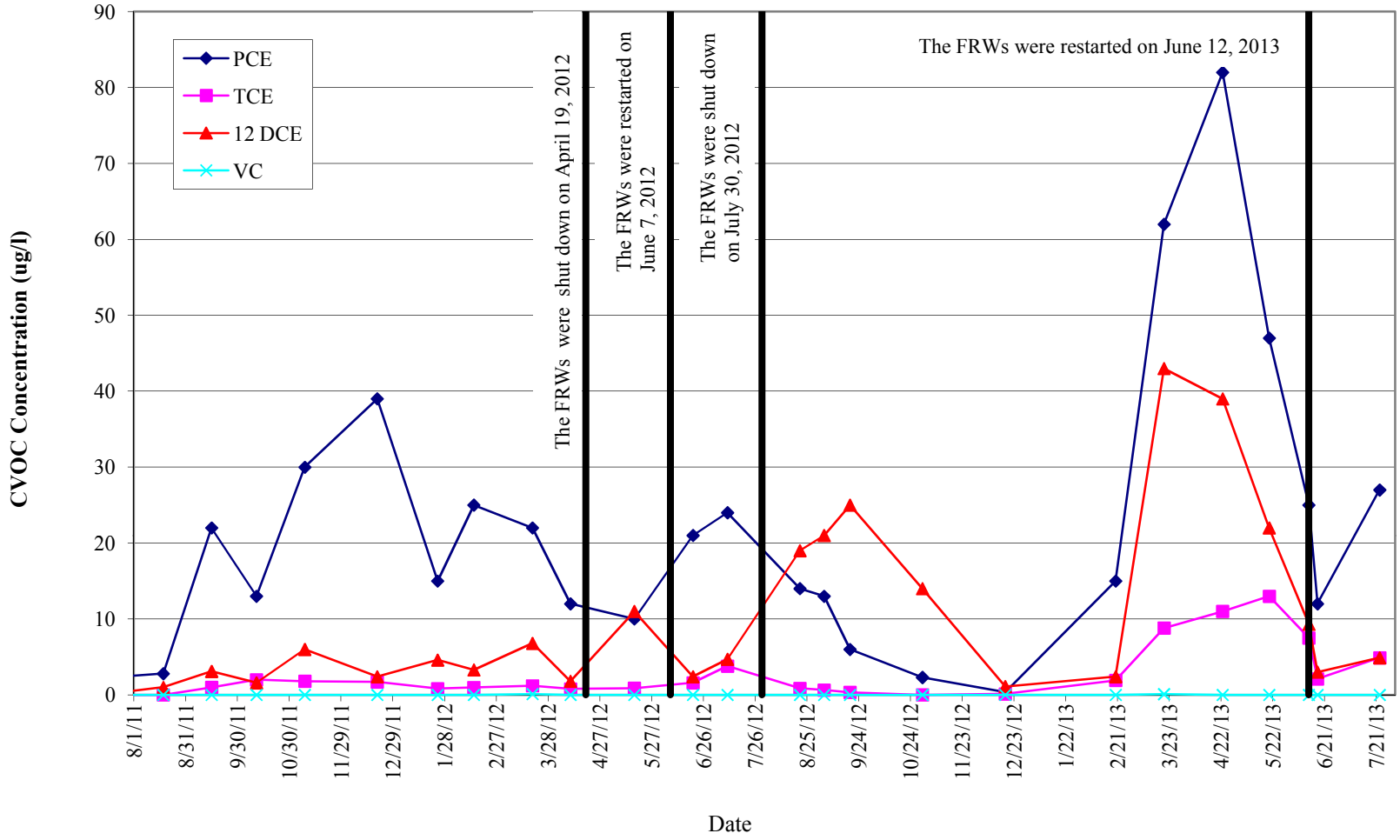
GRAPH 6
GROUNDWATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

FP&T Recovery Well VOC Concentrations for FRW-3



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

FP&T Recovery Well VOC Concentrations for FRW-4



APPENDIX I
JULY 2013 LABORATORY ANALYTICAL REPORTS
FOR FSP&T SYSTEM

Technical Report

prepared for:

Leggette Brashears & Graham Shelton Office
4 Research Drive, Suite 301
Shelton CT, 06484
Attention: Tunde Komuves-Sandor

Report Date: 07/08/2013
Client Project ID: Rowe Industries
York Project (SDG) No.: 13G0088

Report Date: 07/08/2013
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York Project (SDG) No.: 13G0088

Leggette Brashears & Graham Shelton Office
4 Research Drive, Suite 301
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 July 02, 2013 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 Notes 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 attachment to 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
13G0088-01	WQ070113:1100NP2-6	Water	07/01/2013	07/02/2013
13G0088-02	WQ070113:1105NP2-7	Water	07/01/2013	07/02/2013
13G0089-01	WQ070113:1110NP2-10	Water	07/01/2013	07/02/2013

General Notes for York Project (SDG) No.: 13G0088

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 samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By: 

Date: 07/08/2013

Benjamin Gulizia
Laboratory Director

YORK

Sample Information

Client Sample ID: WQ070113:1100NP2-6 **York Sample ID:** 13G0088-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13G0088	Rowe Industries	Water	July 1, 2013 11:00 am	07/02/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	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 SW846-8260B	07/03/2013 09:10	07/03/2013 12:34	BK
71-55-6	1,1,1-Trichloroethane	**0.64**		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 12:34	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 12:34	BK
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 12:34	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 12:34	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 12:34	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 12:34	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 12:34	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 12:34	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 12:34	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 12:34	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 12:34	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 12:34	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 12:34	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 12:34	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 12:34	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 12:34	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 12:34	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 12:34	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 12:34	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 12:34	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 12:34	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 12:34	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 12:34	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 12:34	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 12:34	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 12:34	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 12:34	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 12:34	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 12:34	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 12:34	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 12:34	BK

Sample Information

Client Sample ID: WQ070113:1100NP2-6 **York Sample ID:** 13G0088-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13G0088	Rowe Industries	Water	July 1, 2013 11:00 am	07/02/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 12:34	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 12:34	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 12:34	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 12:34	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 12:34	BK
156-59-2	cis-1,2-Dichloroethylene	**0.77**		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 12:34	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 12:34	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 12:34	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 12:34	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 12:34	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 12:34	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 12:34	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 12:34	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 12:34	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 12:34	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 12:34	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 12:34	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 12:34	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 12:34	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 12:34	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 12:34	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 12:34	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 12:34	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 12:34	BK
127-18-4	Tetrachloroethylene	**13**		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 12:34	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 12:34	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 12:34	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 12:34	BK
79-01-6	Trichloroethylene	**0.76**		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 12:34	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 12:34	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 12:34	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 12:34	BK

Sample Information

Client Sample ID: WQ070113:1100NP2-6 **York Sample ID:** 13G0088-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13G0088	Rowe Industries	Water	July 1, 2013 11:00 am	07/02/2013

Volatile Organics, 8260 List - Low Level

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate Recoveries	**Result**		**Acceptance Range**							
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*113 %*		*72.6-129*							
460-00-4	*Surrogate: p-Bromofluorobenzene*	*124 %*		*63.5-145*							
2037-26-5	*Surrogate: Toluene-d8*	*100 %*		*81.2-127*							

Iron, Dissolved by EPA 6010

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	ND		mg/L	0.0100	0.0200	1	EPA SW846-6010B	07/05/2013 16:51	07/05/2013 19:28	MW

Iron by EPA 200.7

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	**1.91**		mg/L	0.0100	0.0200	1	EPA 200.7	07/05/2013 16:56	07/05/2013 20:48	MW

Sample Information

Client Sample ID: WQ070113:1105NP2-7 **York Sample ID:** 13G0088-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13G0088	Rowe Industries	Water	July 1, 2013 11:05 am	07/02/2013

Volatile Organics, 8260 List - Low Level

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	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 SW846-8260B	07/03/2013 09:10	07/03/2013 13:16	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:16	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:16	BK
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:16	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:16	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:16	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:16	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:16	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:16	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:16	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:16	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:16	BK

Sample Information

Client Sample ID: WQ070113:1105NP2-7 **York Sample ID:** 13G0088-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13G0088	Rowe Industries	Water	July 1, 2013 11:05 am	07/02/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:16	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:16	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:16	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:16	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:16	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:16	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:16	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:16	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:16	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:16	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:16	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:16	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:16	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:16	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:16	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:16	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:16	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:16	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:16	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:16	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:16	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:16	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:16	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:16	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:16	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:16	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:16	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:16	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:16	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:16	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:16	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:16	BK

Sample Information

Client Sample ID: WQ070113:1105NP2-7 **York Sample ID:** 13G0088-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13G0088	Rowe Industries	Water	July 1, 2013 11:05 am	07/02/2013

Volatile Organics, 8260 List - Low Level

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:16	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:16	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:16	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:16	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:16	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:16	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:16	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:16	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:16	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:16	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:16	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:16	BK
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:16	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:16	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:16	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:16	BK
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:16	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:16	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:16	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:16	BK

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*112 %*	*72.6-129*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*117 %*	*63.5-145*
2037-26-5	*Surrogate: Toluene-d8*	*100 %*	*81.2-127*

Iron, Dissolved by EPA 6010

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	**0.0953**		mg/L	0.0100	0.0200	1	EPA SW846-6010B	07/05/2013 16:51	07/05/2013 19:33	MW

Sample Information

Client Sample ID: WQ070113:1105NP2-7 **York Sample ID:** 13G0088-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13G0088	Rowe Industries	Water	July 1, 2013 11:05 am	07/02/2013

Iron by EPA 200.7

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	**1.05**		mg/L	0.0100	0.0200	1	EPA 200.7	07/05/2013 16:56	07/05/2013 20:52	MW

Sample Information

Client Sample ID: WQ070113:1110NP2-10 **York Sample ID:** 13G0089-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13G0089	Rowe Industries	Water	July 1, 2013 11:10 am	07/02/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	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 SW846-8260B	07/03/2013 09:10	07/03/2013 13:56	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:56	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:56	BK
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:56	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:56	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:56	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:56	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:56	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:56	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:56	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:56	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:56	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:56	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:56	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:56	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:56	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:56	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:56	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:56	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:56	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:56	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:56	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:56	BK

Sample Information

Client Sample ID: WQ070113:1110NP2-10 **York Sample ID:** 13G0089-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13G0089	Rowe Industries	Water	July 1, 2013 11:10 am	07/02/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:56	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:56	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:56	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:56	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:56	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:56	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:56	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:56	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:56	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:56	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:56	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:56	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:56	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:56	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:56	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:56	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:56	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:56	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:56	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:56	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:56	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:56	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:56	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:56	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:56	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:56	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:56	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:56	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:56	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:56	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:56	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:56	BK

Sample Information

Client Sample ID: WQ070113:1110NP2-10 **York Sample ID:** 13G0089-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13G0089	Rowe Industries	Water	July 1, 2013 11:10 am	07/02/2013

Volatile Organics, 8260 List - Low Level

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:56	BK
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:56	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:56	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:56	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:56	BK
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:56	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:56	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:56	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA SW846-8260B	07/03/2013 09:10	07/03/2013 13:56	BK

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*105 %*	*72.6-129*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*119 %*	*63.5-145*
2037-26-5	*Surrogate: Toluene-d8*	*106 %*	*81.2-127*

Iron, Dissolved by EPA 6010

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	**0.100**		mg/L	0.0100	0.0200	1	EPA SW846-6010B	07/05/2013 16:51	07/05/2013 19:38	MW

Iron by EPA 200.7

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	**1.99**		mg/L	0.0100	0.0200	1	EPA 200.7	07/05/2013 16:56	07/05/2013 20:57	MW

Total Dissolved Solids

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

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	**117**		mg/L	1.00	1.00	1	SM 2540C	07/05/2013 15:24	07/06/2013 08:54	ALD

Analytical Batch Summary

Batch ID: BG30195 **Preparation Method:** EPA 5030B **Prepared By:** KH

YORK Sample ID	Client Sample ID	Preparation Date
13G0088-01	WQ070113:1100NP2-6	07/03/13
13G0088-02	WQ070113:1105NP2-7	07/03/13
13G0089-01	WQ070113:1110NP2-10	07/03/13
BG30195-BLK1	Blank	07/03/13
BG30195-BS1	LCS	07/03/13
BG30195-BSD1	LCS Dup	07/03/13

Batch ID: BG30324 **Preparation Method:** % Solids Prep **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
13G0089-01	WQ070113:1110NP2-10	07/05/13
BG30324-BLK1	Blank	07/05/13
BG30324-DUP1	Duplicate	07/05/13

Batch ID: BG30326 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
13G0088-01	WQ070113:1100NP2-6	07/05/13
13G0088-02	WQ070113:1105NP2-7	07/05/13
13G0089-01	WQ070113:1110NP2-10	07/05/13
BG30326-BLK1	Blank	07/05/13
BG30326-DUP1	Duplicate	07/05/13
BG30326-MS1	Matrix Spike	07/05/13
BG30326-SRM1	Reference	07/05/13

Batch ID: BG30327 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
13G0088-01	WQ070113:1100NP2-6	07/05/13
13G0088-02	WQ070113:1105NP2-7	07/05/13
13G0089-01	WQ070113:1110NP2-10	07/05/13
BG30327-BLK1	Blank	07/05/13
BG30327-DUP1	Duplicate	07/05/13
BG30327-MS1	Matrix Spike	07/05/13
BG30327-SRM1	Reference	07/05/13

Volatile Organic Compounds by EPA SW846-8260B - 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 BG30195 - EPA 5030B											
Blank (BG30195-BLK1)											Prepared & Analyzed: 07/03/2013
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	2.0	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	2.0	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	2.0	"								
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	0.21	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	"								
o-Xylene	ND	0.50	"								

Volatile Organic Compounds by EPA SW846-8260B - 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 BG30195 - EPA 5030B											
Blank (BG30195-BLK1)								Prepared & Analyzed: 07/03/2013			
p- & m- Xylenes	ND	1.0	ug/L								
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*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*11.8*		*"*	*10.0*		*118*	*63.5-145*				
Surrogate: Toluene-d8	*9.97*		*"*	*10.0*		*99.7*	*81.2-127*				
LCS (BG30195-BS1)								Prepared & Analyzed: 07/03/2013			
1,1,1,2-Tetrachloroethane	10.4		ug/L	10.0		104	82.3-130				
1,1,1-Trichloroethane	10.4		"	10.0		104	75.6-137				
1,1,2,2-Tetrachloroethane	9.96		"	10.0		99.6	71.3-131				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.5		"	10.0		105	71.1-129				
1,1,2-Trichloroethane	9.24		"	10.0		92.4	74.5-129				
1,1-Dichloroethane	9.90		"	10.0		99.0	79.6-132				
1,1-Dichloroethylene	9.56		"	10.0		95.6	80.2-146				
1,1-Dichloropropylene	10.2		"	10.0		102	75-136				
1,2,3-Trichlorobenzene	9.36		"	10.0		93.6	66.1-136				
1,2,3-Trichloropropane	10.4		"	10.0		104	63-131				
1,2,4-Trichlorobenzene	10.0		"	10.0		100	70.6-136				
1,2,4-Trimethylbenzene	8.72		"	10.0		87.2	75.3-135				
1,2-Dibromo-3-chloropropane	11.1		"	10.0		111	58.9-140				
1,2-Dibromoethane	9.80		"	10.0		98.0	79-130				
1,2-Dichlorobenzene	10.3		"	10.0		103	76.1-122				
1,2-Dichloroethane	9.77		"	10.0		97.7	74.6-132				
1,2-Dichloropropane	10.4		"	10.0		104	76.9-129				
1,3,5-Trimethylbenzene	9.67		"	10.0		96.7	70.6-127				
1,3-Dichlorobenzene	9.96		"	10.0		99.6	77-124				
1,3-Dichloropropane	10.0		"	10.0		100	75.8-126				
1,4-Dichlorobenzene	10.0		"	10.0		100	76.6-125				
2,2-Dichloropropane	11.7		"	10.0		117	69-133				
2-Chlorotoluene	10.0		"	10.0		100	66.3-119				
2-Hexanone	10.2		"	10.0		102	70-130				
4-Chlorotoluene	9.00		"	10.0		90.0	69.2-127				
Acetone	8.58		"	10.0		85.8	70-130				
Benzene	9.97		"	10.0		99.7	76.2-129				
Bromobenzene	9.84		"	10.0		98.4	71.3-123				
Bromochloromethane	9.92		"	10.0		99.2	70.8-137				
Bromodichloromethane	10.7		"	10.0		107	79.7-134				
Bromoform	9.66		"	10.0		96.6	70.5-141				
Bromomethane	8.92		"	10.0		89.2	43.9-147				
Carbon tetrachloride	10.8		"	10.0		108	78.1-138				
Chlorobenzene	10.2		"	10.0		102	80.4-125				

Volatile Organic Compounds by EPA SW846-8260B - 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 BG30195 - EPA 5030B											
LCS (BG30195-BS1)								Prepared & Analyzed: 07/03/2013			
Chloroethane	9.53		ug/L	10.0		95.3	55.8-140				
Chloroform	10.0		"	10.0		100	76.6-133				
Chloromethane	8.50		"	10.0		85.0	48.8-115				
cis-1,2-Dichloroethylene	9.79		"	10.0		97.9	75.1-128				
cis-1,3-Dichloropropylene	11.5		"	10.0		115	74.5-128				
Dibromochloromethane	9.94		"	10.0		99.4	79.8-134				
Dibromomethane	10.4		"	10.0		104	79-130				
Dichlorodifluoromethane	5.31		"	10.0		53.1	47.1-101				
Ethyl Benzene	11.4		"	10.0		114	80.8-128				
Hexachlorobutadiene	10.9		"	10.0		109	64.8-128				
Isopropylbenzene	10.8		"	10.0		108	75.5-135				
Methyl tert-butyl ether (MTBE)	9.59		"	10.0		95.9	65.1-140				
Methylene chloride	8.79		"	10.0		87.9	61.3-120				
Naphthalene	10.2		"	10.0		102	62.3-148				
n-Butylbenzene	11.7		"	10.0		117	67.2-123				
n-Propylbenzene	10.9		"	10.0		109	70.5-127				
o-Xylene	10.1		"	10.0		101	75.9-122				
p- & m- Xylenes	21.7		"	20.0		108	77.7-127				
p-Isopropyltoluene	11.0		"	10.0		110	75.6-129				
sec-Butylbenzene	11.0		"	10.0		110	71.5-125				
Styrene	0.350		"	10.0		3.50	77.8-123	Low Bias			
tert-Butylbenzene	11.4		"	10.0		114	75.9-151				
Tetrachloroethylene	11.2		"	10.0		112	63.6-167				
Toluene	10.6		"	10.0		106	77-123				
trans-1,2-Dichloroethylene	9.91		"	10.0		99.1	76.3-139				
trans-1,3-Dichloropropylene	10.5		"	10.0		105	72.5-137				
Trichloroethylene	11.4		"	10.0		114	77.9-130				
Trichlorofluoromethane	10.0		"	10.0		100	57.4-133				
Vinyl Chloride	8.46		"	10.0		84.6	54.9-124				
Surrogate: 1,2-Dichloroethane-d4	*9.70*		*"*	*10.0*		*97.0*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*9.77*		*"*	*10.0*		*97.7*	*63.5-145*				
Surrogate: Toluene-d8	*10.2*		*"*	*10.0*		*102*	*81.2-127*				

Volatile Organic Compounds by EPA SW846-8260B - 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 BG30195 - EPA 5030B											
LCS Dup (BG30195-BSD1)							Prepared & Analyzed: 07/03/2013				
1,1,1,2-Tetrachloroethane	10.4		ug/L	10.0		104	82.3-130		0.385	21.1	
1,1,1-Trichloroethane	10.8		"	10.0		108	75.6-137		4.15	19.7	
1,1,2,2-Tetrachloroethane	10.5		"	10.0		105	71.3-131		5.09	20.8	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.3		"	10.0		103	71.1-129		2.21	21.7	
1,1,2-Trichloroethane	9.74		"	10.0		97.4	74.5-129		5.27	20.3	
1,1-Dichloroethane	10.6		"	10.0		106	79.6-132		6.55	20.6	
1,1-Dichloroethylene	9.42		"	10.0		94.2	80.2-146		1.48	20	
1,1-Dichloropropylene	10.4		"	10.0		104	75-136		2.72	19.3	
1,2,3-Trichlorobenzene	10.3		"	10.0		103	66.1-136		9.56	21.6	
1,2,3-Trichloropropane	10.7		"	10.0		107	63-131		3.42	23.9	
1,2,4-Trichlorobenzene	10.6		"	10.0		106	70.6-136		5.81	21.7	
1,2,4-Trimethylbenzene	9.09		"	10.0		90.9	75.3-135		4.15	18.8	
1,2-Dibromo-3-chloropropane	12.0		"	10.0		120	58.9-140		7.27	27.7	
1,2-Dibromoethane	10.5		"	10.0		105	79-130		6.80	23	
1,2-Dichlorobenzene	10.5		"	10.0		105	76.1-122		1.74	19.8	
1,2-Dichloroethane	10.6		"	10.0		106	74.6-132		8.43	20.2	
1,2-Dichloropropane	10.4		"	10.0		104	76.9-129		0.481	20.7	
1,3,5-Trimethylbenzene	9.41		"	10.0		94.1	70.6-127		2.73	18.9	
1,3-Dichlorobenzene	9.70		"	10.0		97.0	77-124		2.64	19.2	
1,3-Dichloropropane	10.2		"	10.0		102	75.8-126		1.58	22.1	
1,4-Dichlorobenzene	9.95		"	10.0		99.5	76.6-125		0.601	18.6	
2,2-Dichloropropane	11.4		"	10.0		114	69-133		2.25	19.8	
2-Chlorotoluene	9.73		"	10.0		97.3	66.3-119		3.24	21.6	
2-Hexanone	10.5		"	10.0		105	70-130		2.90	30	
4-Chlorotoluene	8.92		"	10.0		89.2	69.2-127		0.893	19	
Acetone	9.29		"	10.0		92.9	70-130		7.95	30	
Benzene	10.6		"	10.0		106	76.2-129		5.94	19	
Bromobenzene	10.2		"	10.0		102	71.3-123		3.20	20.3	
Bromochloromethane	11.3		"	10.0		113	70.8-137		12.7	23.9	
Bromodichloromethane	10.5		"	10.0		105	79.7-134		1.88	21	
Bromoform	10.5		"	10.0		105	70.5-141		7.95	21.8	
Bromomethane	9.53		"	10.0		95.3	43.9-147		6.61	28.4	
Carbon tetrachloride	11.1		"	10.0		111	78.1-138		2.92	20.1	
Chlorobenzene	9.83		"	10.0		98.3	80.4-125		4.09	19.9	
Chloroethane	9.73		"	10.0		97.3	55.8-140		2.08	23.3	
Chloroform	10.8		"	10.0		108	76.6-133		6.83	20.3	
Chloromethane	8.12		"	10.0		81.2	48.8-115		4.57	24.5	
cis-1,2-Dichloroethylene	10.3		"	10.0		103	75.1-128		5.08	20.5	
cis-1,3-Dichloropropylene	11.2		"	10.0		112	74.5-128		2.73	19.9	
Dibromochloromethane	10.4		"	10.0		104	79.8-134		4.14	21.3	
Dibromomethane	10.6		"	10.0		106	79-130		2.38	22.4	
Dichlorodifluoromethane	5.02		"	10.0		50.2	47.1-101		5.61	23.9	
Ethyl Benzene	10.7		"	10.0		107	80.8-128		6.31	19.2	
Hexachlorobutadiene	10.7		"	10.0		107	64.8-128		2.03	20.6	
Isopropylbenzene	10.3		"	10.0		103	75.5-135		4.17	20	
Methyl tert-butyl ether (MTBE)	10.8		"	10.0		108	65.1-140		12.2	23.6	
Methylene chloride	9.77		"	10.0		97.7	61.3-120		10.6	20.4	
Naphthalene	11.4		"	10.0		114	62.3-148		10.8	27.1	
n-Butylbenzene	10.9		"	10.0		109	67.2-123		7.42	19.1	
n-Propylbenzene	10.3		"	10.0		103	70.5-127		5.56	23.4	
o-Xylene	9.69		"	10.0		96.9	75.9-122		4.24	19.3	

Volatile Organic Compounds by EPA SW846-8260B - 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 BG30195 - EPA 5030B											
LCS Dup (BG30195-BSD1)								Prepared & Analyzed: 07/03/2013			
p- & m- Xylenes	20.9		ug/L	20.0		104	77.7-127		3.85	18.6	
p-Isopropyltoluene	10.6		"	10.0		106	75.6-129		4.18	19.1	
sec-Butylbenzene	10.7		"	10.0		107	71.5-125		3.05	18.9	
Styrene	0.370		"	10.0		3.70	77.8-123	Low Bias	5.56	20.9	
tert-Butylbenzene	11.2		"	10.0		112	75.9-151		2.13	20.9	
Tetrachloroethylene	10.3		"	10.0		103	63.6-167		8.84	27.7	
Toluene	10.0		"	10.0		100	77-123		5.14	18.7	
trans-1,2-Dichloroethylene	10.2		"	10.0		102	76.3-139		3.37	19.5	
trans-1,3-Dichloropropylene	10.6		"	10.0		106	72.5-137		1.52	19.3	
Trichloroethylene	10.3		"	10.0		103	77.9-130		10.4	20.5	
Trichlorofluoromethane	9.81		"	10.0		98.1	57.4-133		2.02	21.4	
Vinyl Chloride	8.18		"	10.0		81.8	54.9-124		3.37	22.3	
Surrogate: 1,2-Dichloroethane-d4	*10.4*		*"*	*10.0*		*104*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*9.47*		*"*	*10.0*		*94.7*	*63.5-145*				
Surrogate: Toluene-d8	*9.72*		*"*	*10.0*		*97.2*	*81.2-127*				

Metals by EPA 6000 Series Methods - 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 BG30326 - EPA 3010A											
Blank (BG30326-BLK1)								Prepared & Analyzed: 07/05/2013			
Iron - Dissolved	ND	0.0200	mg/L								
Duplicate (BG30326-DUP1)	*Source sample: 13G0089-01 (WQ070113:1110NP2-10)							Prepared & Analyzed: 07/05/2013			
Iron - Dissolved	0.100	0.0200	mg/L		0.100				0.299	20	
Matrix Spike (BG30326-MS1)	*Source sample: 13G0089-01 (WQ070113:1110NP2-10)							Prepared & Analyzed: 07/05/2013			
Iron - Dissolved	1.16	0.0200	mg/L	1.00	0.100	106	75-125				
Reference (BG30326-SRM1)								Prepared & Analyzed: 07/05/2013			
Iron - Dissolved	1.36	0.0200	mg/L	1.39		97.8	88.4-113				

Metals by EPA 200 Series Methods - 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 BG30327 - EPA 3010A											
Blank (BG30327-BLK1)								Prepared & Analyzed: 07/05/2013			
Iron	ND	0.0200	mg/L								
Duplicate (BG30327-DUP1)	*Source sample: 13G0089-01 (WQ070113:1110NP2-10)							Prepared & Analyzed: 07/05/2013			
Iron	1.97	0.0200	mg/L		1.99				1.20	20	
Matrix Spike (BG30327-MS1)	*Source sample: 13G0089-01 (WQ070113:1110NP2-10)							Prepared & Analyzed: 07/05/2013			
Iron	2.98	0.0200	mg/L	1.00	1.99	99.4	75-125				
Reference (BG30327-SRM1)								Prepared & Analyzed: 07/05/2013			
Iron	1.38	0.0200	mg/L	1.39		99.0	88.4-113				

Miscellaneous Physical/Conventional Chemistry 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 BG30324 - % Solids Prep											
Blank (BG30324-BLK1)									Prepared: 07/05/2013 Analyzed: 07/06/2013		
Total Dissolved Solids	ND	1.00	mg/L								
Duplicate (BG30324-DUP1)	*Source sample: 13G0089-01 (WQ070113:1110NP2-10)								Prepared: 07/05/2013 Analyzed: 07/06/2013		
Total Dissolved Solids	117	1.00	mg/L		117				0.00	15	

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
13G0088-01	WQ070113:1100NP2-6	250mL Plastic Cool to 4° C
13G0088-02	WQ070113:1105NP2-7	250mL Plastic Cool to 4° C
13G0089-01	WQ070113:1110NP2-10	250mL Plastic Cool to 4° C

Notes and Definitions

QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
M-LSRD	Original sample conc <50 X reporting limit.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL); therefore, the result is an estimated concentration.
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <10x the blank value as artifact.

ND	Analyte NOT DETECTED at the stated Reporting Limit (RL) or above.
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
MDL	METHOD DETECTION LIMIT - the minimum concentration that can be measured and reported with a 99% confidence that the concentration is greater than zero. If requested or required, a value reported below the RL and above the MDL is considered estimated and is noted with a "J" flag.
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 MDL, with values between the MDL and the RL being "J" flagged as estimated results.

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. 13G0088

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

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

Samples Collected/Authorized By (Signature): [signature]

STEPHEN HNAT
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 Post	Dissolved	Air STARS	Part360-Expanded	BTU/lb.
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part360-Expanded	Aquatic Tox.
Halog.only	NJDEP list	App. IX	Chlordane	Indiv. Metals	Air TICs	NYCDEP Sewer	TOC
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer	Asbestos
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM	Silica

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

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
WQ070113:1100NP2-6	7/1/13 1100	GW	Fe by EPA 200.7 / Fe, Dissolved by EPA 6010 (SW846-6010B) / VOCs, 8260 List (EPA SW845-8260B) plus freon 113	3V 2P
WQ070113:1105NP2-7	↓ 1105	GW	↓	3V 2P
WQ070113:1110NP2-10	↓ 1110	GW	Fe by EPA 200.7 / Fe, Dissolved by EPA 6010 (SW846-6010B) / VOCs 8260 List (EPA SW845-8260B) plus freon 113 / TDS (SM 2540C)	3V 3P

Comments

Preservation (Check those Applicable): 4°C X Frozen ___ HCl X MeOH ___ HNO3 X H2SO4 ___ NaOH ___ ZnAc ___ Ascorbic Acid ___ Other ___

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Samples Relinquished By	Date/Time	Samples Received By	Date/Time
[signature]	7/2/13 9-	LBG Fridge	7/2/13 9-
Samples Relinquished By [signature]	Date/Time 7/2/13 11:15	Samples Received in LAB by E Schleck	Date/Time 7/2/13 1720

Temperature on Receipt 4.3 °C

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. 1360089

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.

Turn-Around Time
- RUSH - Same Day ☐
- RUSH - Next Day ☐
- RUSH - Two Day ☐
- RUSH - Three Day ☐
- RUSH - Four Day ☐

Samples from: CT ___ NY X NJ ___
Standard(5-7 Days) [X]

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)

STEPHEN HNAT
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 Pb Dioxin+Furan	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	Index 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)
WQ070113:1100NP2-6	7/1/13 1100	GW	Fe by EPA 200.7 / Fe, Dissolved by EPA 6010 (SW846-6010B) / VOCs, 8260 List (EPA SW846-8260B) plus freon 113	3v 2p
WQ070113:1105NP2-7	1105	GW	↓	3v 2p
WQ070113:1110NP2-10	1110	GW	Fe by EPA 200.7 / Fe, Dissolved by EPA 6010 (SW846-6010B) / VOCs 8260 List (EPA SW846-8260B) plus freon 113 / TOS (SM 2540c)	3v 3p

Comments

Preservation Check those Applicable: 4°C X Frozen ___ HCl X MeOH ___ HNO3 X H2SO4 ___ NaOH ___ ZnAc ___ Ascorbic Acid ___ Other ___

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Samples Relinquished By	Date/Time	Samples Received By	Date/Time
[signature]	7/2/13 9-	LBG Fridge	7/2/13 9-
[signature] Received	7/2 10:15	E Schenk	7/2/13 1720
Samples Relinquished By	Date/Time	Samples Received in LAB by	Date/Time

Temperature on Receipt 4.3 °C

Technical Report

prepared for:

Leggette Brashears & Graham Shelton Office
4 Research Drive, Suite 301
Shelton CT, 06484
Attention: Tunde Komuves-Sandor

Report Date: 07/16/2013
Client Project ID: Rowe Industries
York Project (SDG) No.: 13G0344

Report Date: 07/16/2013
Client Project ID: Rowe Industries
York Project (SDG) No.: 13G0344

Leggette Brashears & Graham Shelton Office
4 Research Drive, Suite 301
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 July 10, 2013 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 Notes 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 attachment to 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
13G0344-01	WQ070913:1040NP2-6	Water	07/09/2013	07/10/2013
13G0344-02	WQ070913:1045NP2-7	Water	07/09/2013	07/10/2013
13G0347-01	WQ070913:1050NP2-10	Water	07/09/2013	07/10/2013

General Notes for York Project (SDG) No.: 13G0344

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 samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By: 

Date: 07/16/2013

Benjamin Gulizia
Laboratory Director

YORK

Sample Information

Client Sample ID: WQ070913:1040NP2-6 **York Sample ID:** 13G0344-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13G0344	Rowe Industries	Water	July 9, 2013 10:40 am	07/10/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	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 SW846-8260B	07/15/2013 13:30	07/15/2013 20:40	BK
71-55-6	1,1,1-Trichloroethane	**0.61**		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 20:40	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 20:40	BK
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 20:40	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 20:40	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 20:40	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 20:40	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 20:40	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 20:40	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 20:40	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 20:40	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 20:40	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 20:40	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 20:40	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 20:40	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 20:40	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 20:40	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 20:40	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 20:40	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 20:40	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 20:40	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 20:40	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 20:40	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 20:40	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 20:40	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 20:40	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 20:40	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 20:40	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 20:40	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 20:40	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 20:40	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 20:40	BK

Sample Information

Client Sample ID: WQ070913:1040NP2-6 **York Sample ID:** 13G0344-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13G0344	Rowe Industries	Water	July 9, 2013 10:40 am	07/10/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 20:40	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 20:40	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 20:40	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 20:40	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 20:40	BK
156-59-2	cis-1,2-Dichloroethylene	**0.47**	J	ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 20:40	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 20:40	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 20:40	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 20:40	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 20:40	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 20:40	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 20:40	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 20:40	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 20:40	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 20:40	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 20:40	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 20:40	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 20:40	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 20:40	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 20:40	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 20:40	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 20:40	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 20:40	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 20:40	BK
127-18-4	Tetrachloroethylene	**7.4**		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 20:40	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 20:40	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 20:40	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 20:40	BK
79-01-6	Trichloroethylene	**0.50**		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 20:40	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 20:40	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 20:40	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 20:40	BK

Sample Information

Client Sample ID: WQ070913:1040NP2-6 **York Sample ID:** 13G0344-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13G0344	Rowe Industries	Water	July 9, 2013 10:40 am	07/10/2013

Volatile Organics, 8260 List - Low Level

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate Recoveries	**Result**		**Acceptance Range**							
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*95.7 %*		*72.6-129*							
460-00-4	*Surrogate: p-Bromofluorobenzene*	*119 %*		*63.5-145*							
2037-26-5	*Surrogate: Toluene-d8*	*104 %*		*81.2-127*							

Iron, Dissolved by EPA 6010

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	ND		mg/L	0.0200	0.0200	1	EPA SW846-6010B	07/15/2013 13:32	07/15/2013 16:05	MW

Iron by EPA 200.7

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	**8.98**		mg/L	0.0146	0.0200	1	EPA 200.7	07/15/2013 13:35	07/15/2013 17:17	MW

Sample Information

Client Sample ID: WQ070913:1045NP2-7 **York Sample ID:** 13G0344-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13G0344	Rowe Industries	Water	July 9, 2013 10:45 am	07/10/2013

Volatile Organics, 8260 List - Low Level

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	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 SW846-8260B	07/15/2013 13:30	07/15/2013 21:16	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:16	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:16	BK
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:16	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:16	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:16	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:16	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:16	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:16	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:16	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:16	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:16	BK

Sample Information

Client Sample ID: WQ070913:1045NP2-7 **York Sample ID:** 13G0344-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13G0344	Rowe Industries	Water	July 9, 2013 10:45 am	07/10/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:16	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:16	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:16	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:16	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:16	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:16	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:16	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:16	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:16	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:16	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:16	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:16	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:16	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:16	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:16	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:16	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:16	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:16	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:16	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:16	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:16	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:16	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:16	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:16	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:16	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:16	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:16	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:16	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:16	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:16	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:16	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:16	BK

Sample Information

Client Sample ID: WQ070913:1045NP2-7 **York Sample ID:** 13G0344-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13G0344	Rowe Industries	Water	July 9, 2013 10:45 am	07/10/2013

Volatile Organics, 8260 List - Low Level

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:16	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:16	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:16	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:16	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:16	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:16	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:16	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:16	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:16	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:16	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:16	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:16	BK
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:16	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:16	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:16	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:16	BK
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:16	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:16	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:16	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:16	BK

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*99.6 %*	*72.6-129*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*126 %*	*63.5-145*
2037-26-5	*Surrogate: Toluene-d8*	*104 %*	*81.2-127*

Iron, Dissolved by EPA 6010

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	ND		mg/L	0.0200	0.0200	1	EPA SW846-6010B	07/15/2013 13:32	07/15/2013 16:09	MW

Sample Information

Client Sample ID: WQ070913:1045NP2-7 **York Sample ID:** 13G0344-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13G0344	Rowe Industries	Water	July 9, 2013 10:45 am	07/10/2013

Iron by EPA 200.7 **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	**10.8**		mg/L	0.0146	0.0200	1	EPA 200.7	07/15/2013 13:35	07/15/2013 17:22	MW

Sample Information

Client Sample ID: WQ070913:1050NP2-10 **York Sample ID:** 13G0347-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13G0347	Rowe Industries	Water	July 9, 2013 10:50 am	07/10/2013

Volatile Organics, 8260 List - Low Level **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	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 SW846-8260B	07/15/2013 13:30	07/15/2013 21:51	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:51	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:51	BK
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:51	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:51	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:51	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:51	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:51	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:51	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:51	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:51	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:51	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:51	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:51	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:51	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:51	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:51	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:51	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:51	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:51	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:51	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:51	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:51	BK

Sample Information

Client Sample ID: WQ070913:1050NP2-10 **York Sample ID:** 13G0347-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13G0347	Rowe Industries	Water	July 9, 2013 10:50 am	07/10/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:51	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:51	BK
67-64-1	Acetone	**1.4**	J	ug/L	1.0	2.0	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:51	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:51	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:51	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:51	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:51	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:51	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:51	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:51	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:51	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:51	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:51	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:51	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:51	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:51	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:51	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:51	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:51	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:51	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:51	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:51	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:51	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:51	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:51	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:51	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:51	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:51	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:51	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:51	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:51	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:51	BK

Sample Information

Client Sample ID: WQ070913:1050NP2-10 **York Sample ID:** 13G0347-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13G0347	Rowe Industries	Water	July 9, 2013 10:50 am	07/10/2013

Volatile Organics, 8260 List - Low Level

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:51	BK
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:51	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:51	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:51	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:51	BK
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:51	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:51	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:51	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA SW846-8260B	07/15/2013 13:30	07/15/2013 21:51	BK

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*97.0 %*	*72.6-129*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*121 %*	*63.5-145*
2037-26-5	*Surrogate: Toluene-d8*	*105 %*	*81.2-127*

Iron, Dissolved by EPA 6010

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	**0.0437**		mg/L	0.0200	0.0200	1	EPA SW846-6010B	07/15/2013 13:32	07/15/2013 16:14	MW

Iron by EPA 200.7

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	**33.0**		mg/L	0.0146	0.0200	1	EPA 200.7	07/15/2013 13:35	07/15/2013 17:27	MW

Total Dissolved Solids

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

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	**118**		mg/L	1.00	1.00	1	SM 2540C	07/15/2013 07:34	07/15/2013 08:45	ALD

Analytical Batch Summary

Batch ID: BG30598 **Preparation Method:** % Solids Prep **Prepared By:** AMC

YORK Sample ID	Client Sample ID	Preparation Date
13G0347-01	WQ070913:1050NP2-10	07/15/13
BG30598-BLK1	Blank	07/15/13
BG30598-DUP1	Duplicate	07/15/13

Batch ID: BG30659 **Preparation Method:** EPA 5030B **Prepared By:** BK

YORK Sample ID	Client Sample ID	Preparation Date
13G0344-01	WQ070913:1040NP2-6	07/15/13
13G0344-02	WQ070913:1045NP2-7	07/15/13
13G0347-01	WQ070913:1050NP2-10	07/15/13
BG30659-BLK1	Blank	07/15/13
BG30659-BS1	LCS	07/15/13
BG30659-BSD1	LCS Dup	07/15/13

Batch ID: BG30696 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
13G0344-01	WQ070913:1040NP2-6	07/15/13
13G0344-02	WQ070913:1045NP2-7	07/15/13
13G0347-01	WQ070913:1050NP2-10	07/15/13
BG30696-BLK1	Blank	07/15/13
BG30696-DUP1	Duplicate	07/15/13
BG30696-MS1	Matrix Spike	07/15/13
BG30696-SRM1	Reference	07/15/13

Batch ID: BG30697 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
13G0344-01	WQ070913:1040NP2-6	07/15/13
13G0344-02	WQ070913:1045NP2-7	07/15/13
13G0347-01	WQ070913:1050NP2-10	07/15/13
BG30697-BLK1	Blank	07/15/13
BG30697-DUP1	Duplicate	07/15/13
BG30697-MS1	Matrix Spike	07/15/13
BG30697-SRM1	Reference	07/15/13

Volatile Organic Compounds by EPA SW846-8260B - 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 BG30659 - EPA 5030B											
Blank (BG30659-BLK1)											
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,1-Dichloropropylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	2.0	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	2.0	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	2.0	"								
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	0.22	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	"								
o-Xylene	ND	0.50	"								

Prepared & Analyzed: 07/15/2013

Volatile Organic Compounds by EPA SW846-8260B - 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 BG30659 - EPA 5030B											
Blank (BG30659-BLK1)								Prepared & Analyzed: 07/15/2013			
p- & m- Xylenes	ND	1.0	ug/L								
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	*8.69*		*"*	*10.0*		*86.9*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*12.3*		*"*	*10.0*		*123*	*63.5-145*				
Surrogate: Toluene-d8	*10.2*		*"*	*10.0*		*102*	*81.2-127*				
LCS (BG30659-BS1)								Prepared & Analyzed: 07/15/2013			
1,1,1,2-Tetrachloroethane	10.8		ug/L	10.0		108	82.3-130				
1,1,1-Trichloroethane	9.44		"	10.0		94.4	75.6-137				
1,1,2,2-Tetrachloroethane	10.6		"	10.0		106	71.3-131				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.3		"	10.0		103	71.1-129				
1,1,2-Trichloroethane	9.69		"	10.0		96.9	74.5-129				
1,1-Dichloroethane	9.14		"	10.0		91.4	79.6-132				
1,1-Dichloroethylene	9.92		"	10.0		99.2	80.2-146				
1,1-Dichloropropylene	8.90		"	10.0		89.0	75-136				
1,2,3-Trichlorobenzene	11.7		"	10.0		117	66.1-136				
1,2,3-Trichloropropane	10.3		"	10.0		103	63-131				
1,2,4-Trichlorobenzene	10.6		"	10.0		106	70.6-136				
1,2,4-Trimethylbenzene	11.7		"	10.0		117	75.3-135				
1,2-Dibromo-3-chloropropane	10.2		"	10.0		102	58.9-140				
1,2-Dibromoethane	10.1		"	10.0		101	79-130				
1,2-Dichlorobenzene	9.70		"	10.0		97.0	76.1-122				
1,2-Dichloroethane	8.91		"	10.0		89.1	74.6-132				
1,2-Dichloropropane	9.84		"	10.0		98.4	76.9-129				
1,3,5-Trimethylbenzene	9.87		"	10.0		98.7	70.6-127				
1,3-Dichlorobenzene	10.2		"	10.0		102	77-124				
1,3-Dichloropropane	9.53		"	10.0		95.3	75.8-126				
1,4-Dichlorobenzene	9.92		"	10.0		99.2	76.6-125				
2,2-Dichloropropane	10.6		"	10.0		106	69-133				
2-Chlorotoluene	10.1		"	10.0		101	66.3-119				
2-Hexanone	8.83		"	10.0		88.3	70-130				
4-Chlorotoluene	10.3		"	10.0		103	69.2-127				
Acetone	5.86		"	10.0		58.6	70-130	Low Bias			
Benzene	8.63		"	10.0		86.3	76.2-129				
Bromobenzene	10.5		"	10.0		105	71.3-123				
Bromochloromethane	8.37		"	10.0		83.7	70.8-137				
Bromodichloromethane	10.5		"	10.0		105	79.7-134				
Bromoform	12.2		"	10.0		122	70.5-141				
Bromomethane	9.84		"	10.0		98.4	43.9-147				
Carbon tetrachloride	9.54		"	10.0		95.4	78.1-138				
Chlorobenzene	9.79		"	10.0		97.9	80.4-125				

Volatile Organic Compounds by EPA SW846-8260B - 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 BG30659 - EPA 5030B											
LCS (BG30659-BS1)								Prepared & Analyzed: 07/15/2013			
Chloroethane	9.33		ug/L	10.0		93.3	55.8-140				
Chloroform	8.90		"	10.0		89.0	76.6-133				
Chloromethane	9.91		"	10.0		99.1	48.8-115				
cis-1,2-Dichloroethylene	8.66		"	10.0		86.6	75.1-128				
cis-1,3-Dichloropropylene	10.9		"	10.0		109	74.5-128				
Dibromochloromethane	11.1		"	10.0		111	79.8-134				
Dibromomethane	9.99		"	10.0		99.9	79-130				
Dichlorodifluoromethane	11.6		"	10.0		116	47.1-101	High Bias			
Ethyl Benzene	10.1		"	10.0		101	80.8-128				
Hexachlorobutadiene	12.0		"	10.0		120	64.8-128				
Isopropylbenzene	10.5		"	10.0		105	75.5-135				
Methyl tert-butyl ether (MTBE)	8.95		"	10.0		89.5	65.1-140				
Methylene chloride	1.89		"	10.0		18.9	61.3-120	Low Bias			
Naphthalene	11.4		"	10.0		114	62.3-148				
n-Butylbenzene	10.3		"	10.0		103	67.2-123				
n-Propylbenzene	10.5		"	10.0		105	70.5-127				
o-Xylene	9.84		"	10.0		98.4	75.9-122				
p- & m- Xylenes	20.2		"	20.0		101	77.7-127				
p-Isopropyltoluene	10.8		"	10.0		108	75.6-129				
sec-Butylbenzene	10.7		"	10.0		107	71.5-125				
Styrene	12.3		"	10.0		123	77.8-123				
tert-Butylbenzene	10.8		"	10.0		108	75.9-151				
Tetrachloroethylene	10.5		"	10.0		105	63.6-167				
Toluene	9.68		"	10.0		96.8	77-123				
trans-1,2-Dichloroethylene	9.05		"	10.0		90.5	76.3-139				
trans-1,3-Dichloropropylene	10.9		"	10.0		109	72.5-137				
Trichloroethylene	10.2		"	10.0		102	77.9-130				
Trichlorofluoromethane	9.44		"	10.0		94.4	57.4-133				
Vinyl Chloride	10.6		"	10.0		106	54.9-124				
Surrogate: 1,2-Dichloroethane-d4	*8.75*		*"*	*10.0*		*87.5*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*10.2*		*"*	*10.0*		*102*	*63.5-145*				
Surrogate: Toluene-d8	*9.54*		*"*	*10.0*		*95.4*	*81.2-127*				

Volatile Organic Compounds by EPA SW846-8260B - 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 BG30659 - EPA 5030B											
LCS Dup (BG30659-BSD1)								Prepared & Analyzed: 07/15/2013			
1,1,1,2-Tetrachloroethane	10.6		ug/L	10.0		106	82.3-130		1.96	21.1	
1,1,1-Trichloroethane	9.10		"	10.0		91.0	75.6-137		3.67	19.7	
1,1,2,2-Tetrachloroethane	11.5		"	10.0		115	71.3-131		8.40	20.8	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.2		"	10.0		102	71.1-129		0.683	21.7	
1,1,2-Trichloroethane	10.8		"	10.0		108	74.5-129		10.9	20.3	
1,1-Dichloroethane	9.10		"	10.0		91.0	79.6-132		0.439	20.6	
1,1-Dichloroethylene	9.50		"	10.0		95.0	80.2-146		4.33	20	
1,1-Dichloropropylene	8.73		"	10.0		87.3	75-136		1.93	19.3	
1,2,3-Trichlorobenzene	11.2		"	10.0		112	66.1-136		4.37	21.6	
1,2,3-Trichloropropane	11.2		"	10.0		112	63-131		8.75	23.9	
1,2,4-Trichlorobenzene	9.97		"	10.0		99.7	70.6-136		5.94	21.7	
1,2,4-Trimethylbenzene	10.8		"	10.0		108	75.3-135		7.47	18.8	
1,2-Dibromo-3-chloropropane	11.3		"	10.0		113	58.9-140		10.3	27.7	
1,2-Dibromoethane	11.2		"	10.0		112	79-130		10.3	23	
1,2-Dichlorobenzene	9.75		"	10.0		97.5	76.1-122		0.514	19.8	
1,2-Dichloroethane	9.05		"	10.0		90.5	74.6-132		1.56	20.2	
1,2-Dichloropropane	10.4		"	10.0		104	76.9-129		5.24	20.7	
1,3,5-Trimethylbenzene	9.46		"	10.0		94.6	70.6-127		4.24	18.9	
1,3-Dichlorobenzene	9.92		"	10.0		99.2	77-124		2.49	19.2	
1,3-Dichloropropane	10.4		"	10.0		104	75.8-126		8.54	22.1	
1,4-Dichlorobenzene	9.96		"	10.0		99.6	76.6-125		0.402	18.6	
2,2-Dichloropropane	10.1		"	10.0		101	69-133		5.60	19.8	
2-Chlorotoluene	9.70		"	10.0		97.0	66.3-119		4.44	21.6	
2-Hexanone	11.1		"	10.0		111	70-130		22.7	30	
4-Chlorotoluene	10.1		"	10.0		101	69.2-127		1.66	19	
Acetone	7.90		"	10.0		79.0	70-130		29.7	30	
Benzene	8.59		"	10.0		85.9	76.2-129		0.465	19	
Bromobenzene	10.8		"	10.0		108	71.3-123		2.73	20.3	
Bromochloromethane	8.61		"	10.0		86.1	70.8-137		2.83	23.9	
Bromodichloromethane	10.9		"	10.0		109	79.7-134		3.73	21	
Bromoform	12.8		"	10.0		128	70.5-141		5.12	21.8	
Bromomethane	9.43		"	10.0		94.3	43.9-147		4.26	28.4	
Carbon tetrachloride	9.81		"	10.0		98.1	78.1-138		2.79	20.1	
Chlorobenzene	10.2		"	10.0		102	80.4-125		3.71	19.9	
Chloroethane	9.64		"	10.0		96.4	55.8-140		3.27	23.3	
Chloroform	8.81		"	10.0		88.1	76.6-133		1.02	20.3	
Chloromethane	9.90		"	10.0		99.0	48.8-115		0.101	24.5	
cis-1,2-Dichloroethylene	8.90		"	10.0		89.0	75.1-128		2.73	20.5	
cis-1,3-Dichloropropylene	11.4		"	10.0		114	74.5-128		4.03	19.9	
Dibromochloromethane	11.7		"	10.0		117	79.8-134		5.26	21.3	
Dibromomethane	11.1		"	10.0		111	79-130		10.3	22.4	
Dichlorodifluoromethane	11.5		"	10.0		115	47.1-101	High Bias	0.605	23.9	
Ethyl Benzene	10.2		"	10.0		102	80.8-128		0.891	19.2	
Hexachlorobutadiene	11.3		"	10.0		113	64.8-128		5.49	20.6	
Isopropylbenzene	10.1		"	10.0		101	75.5-135		4.18	20	
Methyl tert-butyl ether (MTBE)	9.58		"	10.0		95.8	65.1-140		6.80	23.6	
Methylene chloride	1.96		"	10.0		19.6	61.3-120	Low Bias	3.64	20.4	
Naphthalene	11.7		"	10.0		117	62.3-148		2.78	27.1	
n-Butylbenzene	9.74		"	10.0		97.4	67.2-123		5.59	19.1	
n-Propylbenzene	9.87		"	10.0		98.7	70.5-127		6.09	23.4	
o-Xylene	10.0		"	10.0		100	75.9-122		2.01	19.3	

Volatile Organic Compounds by EPA SW846-8260B - 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 BG30659 - EPA 5030B											
LCS Dup (BG30659-BSD1)								Prepared & Analyzed: 07/15/2013			
p- & m- Xylenes	20.3		ug/L	20.0		102	77.7-127		0.443	18.6	
p-Isopropyltoluene	10.2		"	10.0		102	75.6-129		6.48	19.1	
sec-Butylbenzene	10.2		"	10.0		102	71.5-125		4.70	18.9	
Styrene	11.9		"	10.0		119	77.8-123		2.73	20.9	
tert-Butylbenzene	10.4		"	10.0		104	75.9-151		3.86	20.9	
Tetrachloroethylene	10.4		"	10.0		104	63.6-167		0.0957	27.7	
Toluene	9.81		"	10.0		98.1	77-123		1.33	18.7	
trans-1,2-Dichloroethylene	8.90		"	10.0		89.0	76.3-139		1.67	19.5	
trans-1,3-Dichloropropylene	12.0		"	10.0		120	72.5-137		9.52	19.3	
Trichloroethylene	10.8		"	10.0		108	77.9-130		6.01	20.5	
Trichlorofluoromethane	9.62		"	10.0		96.2	57.4-133		1.89	21.4	
Vinyl Chloride	10.5		"	10.0		105	54.9-124		1.14	22.3	
Surrogate: 1,2-Dichloroethane-d4	*8.89*		*"*	*10.0*		*88.9*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*9.86*		*"*	*10.0*		*98.6*	*63.5-145*				
Surrogate: Toluene-d8	*9.84*		*"*	*10.0*		*98.4*	*81.2-127*				

Metals by EPA 6000 Series Methods - 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 BG30696 - EPA 3010A											
Blank (BG30696-BLK1)								Prepared & Analyzed: 07/15/2013			
Iron - Dissolved	ND	0.0200	mg/L								
Duplicate (BG30696-DUP1)	*Source sample: 13G0347-01 (WQ070913:1050NP2-10)							Prepared & Analyzed: 07/15/2013			
Iron - Dissolved	0.0595	0.0200	mg/L		0.0437				30.7	20	Non-dir.
Matrix Spike (BG30696-MS1)	*Source sample: 13G0347-01 (WQ070913:1050NP2-10)							Prepared & Analyzed: 07/15/2013			
Iron - Dissolved	1.09	0.0200	mg/L	1.00	0.0437	105	75-125				
Reference (BG30696-SRM1)								Prepared & Analyzed: 07/15/2013			
Iron - Dissolved	1.36	0.0200	mg/L	1.39		97.9	88.4-113				

Metals by EPA 200 Series Methods - 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 BG30697 - EPA 3010A											
Blank (BG30697-BLK1)								Prepared & Analyzed: 07/15/2013			
Iron	ND	0.0200	mg/L								
Duplicate (BG30697-DUP1)	*Source sample: 13G0347-01 (WQ070913:1050NP2-10)							Prepared & Analyzed: 07/15/2013			
Iron	32.7	0.0200	mg/L		33.0				0.958	20	
Matrix Spike (BG30697-MS1)	*Source sample: 13G0347-01 (WQ070913:1050NP2-10)							Prepared & Analyzed: 07/15/2013			
Iron	34.2	0.0200	mg/L	1.00	33.0	113	75-125				
Reference (BG30697-SRM1)								Prepared & Analyzed: 07/15/2013			
Iron	1.35	0.0200	mg/L	1.39		97.4	88.4-113				

Miscellaneous Physical/Conventional Chemistry 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 BG30598 - % Solids Prep											
Blank (BG30598-BLK1)									Prepared & Analyzed: 07/15/2013		
Total Dissolved Solids	ND	1.00	mg/L								
Duplicate (BG30598-DUP1)	*Source sample: 13G0347-01 (WQ070913:1050NP2-10)								Prepared & Analyzed: 07/15/2013		
Total Dissolved Solids	112	1.00	mg/L		118				5.22	15	

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
13G0344-01	WQ070913:1040NP2-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13G0344-02	WQ070913:1045NP2-7	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13G0347-01	WQ070913:1050NP2-10	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Notes and Definitions

QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
M-RPD	Sample conc. <5 X reporting limit.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL); therefore, the result is an estimated concentration.
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <10x the blank value as artifact.

ND	Analyte NOT DETECTED at the stated Reporting Limit (RL) or above.
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
MDL	METHOD DETECTION LIMIT - the minimum concentration that can be measured and reported with a 99% confidence that the concentration is greater than zero. If requested or required, a value reported below the RL and above the MDL is considered estimated and is noted with a "J" flag.
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 MDL, with values between the MDL and the RL being "J" flagged as estimated results.

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. 13G0344

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.
NABSA6.

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)

STEPHEN HNAT
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 (for Discharge Points)	BTU/lb.
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part360-Expanded (for 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)
WQ070913:1040NP2-6	7/9/13 1040	GW	Fe by EPA 200.7 / Fe, Dissolved by EPA 6010 (SW846-6010B) / VOCs, 8260 List (EPA SW846-8260B) plus freon 113	3V 2P
WQ070913:1045NP2-7	1045	GW		3V 2P
WQ070913:1050NP2-10	1050	GW	Fe by EPA 200.7 / Fe, Dissolved by EPA 6010 (SW846-6010B) / VOCs 8260 List (EPA SW846-8260B) plus freon 113 / TDS (SM 2540C)	3V 3P

Comments

Preservation Check those Applicable
4°C X Frozen ___ HCl X MeOH ___ HNO3 X H2SO4 ___ NaOH ___
ZnAc ___ Ascorbic Acid ___ Other ___

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Samples Relinquished By — Date/Time: 7/10/13 1035
Samples Received By — Date/Time: 7/10/13 10:35
Samples Relinquished By — Date/Time:
Samples Received in LAB by — Date/Time: 7/10/13-1500

Temperature on Receipt 4.4 °C

YORK
ANALYTICAL LABORATORIES, INC.

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

Field Chain-of-Custody Record

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York Project No. 13G0347

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 NP2-100nly, 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)

STEPHEN HNAT
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
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STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN	Ignitability
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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 Dioxins/Furans	BTU/lb.
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part 360-Expanded Full List	Aquatic Tox.
Halog.only	NJDEP list	App. IX	Chlordane	Indiv.Metals	Air TICs	NYCDEP Sewer	TOC
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer	Asbestos
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM	Silica

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
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Comments

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Special Instructions
Field Filtered ☐
Lab to Filter ☐

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ZnAc Ascorbic Acid Other

Samples Relinquished By: 7/10/13 1035 Date/Time
Samples Relinquished By: Date/Time

Samples Received By: TC Hall 7/10/13 10:35 Date/Time
Samples Received in LAB by: 7/10/13-1500 Date/Time

Temperature on Receipt 4.4 °C

YORK
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120 RESEARCH DR. STRATFORD, CT 06615
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York Project No. 13G0347

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:
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Phone No.
Attention:
E-Mail Address:

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

YOUR Project ID
Rowe Industries.

Purchase Order No.
HABSAG.

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EQuIS (std)
EZ-EDD (EQuIS)
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Name (printed)

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8021B list		SPLP or TCLP	608 PCB		Helium	TAGM	Silica

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WQ070913:1045NP2-7	1045	GW	↓	3V 2P
WQ070913:1050NP2-10	1050	GW	Fe by EPA 200.7 / Fe, Dissolved by EPA 6010 (SW846-6010B) / VOCs 8260 List (EPA SW846-8260B) plus freon 113 / TDS (SM 2540c)	3V 3P

Comments

Preservation Check those Applicable
4°C X Frozen ___ HCl X MeOH ___ HNO3 X H2SO4 ___ NaOH ___
ZnAc Ascorbic Acid Other

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Samples Relinquished By: [signature] 7/10/13 1035 Date/Time
Samples Relinquished By: ___ Date/Time
Samples Received By: [signature] 7/10/13 10:35 Date/Time
Samples Received in LAB by: [signature] 7/10/13-1500 Date/Time

Temperature on Receipt 4.4 °C

Technical Report

prepared for:

Leggette Brashears & Graham Shelton Office
4 Research Drive, Suite 301
Shelton CT, 06484
Attention: Tunde Komuves-Sandor

Report Date: 07/25/2013
Client Project ID: O&M Sag Harbor (Rowe Industries Site)
York Project (SDG) No.: 13G0662

Report Date: 07/25/2013
Client Project ID: O&M Sag Harbor (Rowe Industries Site)
York Project (SDG) No.: 13G0662

Leggette Brashears & Graham Shelton Office
4 Research Drive, Suite 301
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 July 18, 2013 and listed below. The project was identified as your project: **O&M Sag Harbor (Rowe Industries Site)**.

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 Notes 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 attachment to 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
13G0662-01	WQ071613:1100NP2-6	Water	07/16/2013	07/18/2013
13G0662-02	WQ071613:1105NP2-7	Water	07/16/2013	07/18/2013
13G0664-01	WQ071613:1110NP2-10	Water	07/18/2013	07/18/2013

General Notes for York Project (SDG) No.: 13G0662

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 samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By: 

Date: 07/25/2013

Benjamin Gulizia
Laboratory Director

YORK

Sample Information

Client Sample ID: WQ071613:1100NP2-6 **York Sample ID:** 13G0662-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13G0662	O&M Sag Harbor (Rowe Industries Site)	Water	July 16, 2013 11:00 am	07/18/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	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 SW846-8260B	07/23/2013 10:15	07/24/2013 06:51	SS
71-55-6	1,1,1-Trichloroethane	**0.80**		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 06:51	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 06:51	SS
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 06:51	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 06:51	SS
75-34-3	1,1-Dichloroethane	**0.25**	J	ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 06:51	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 06:51	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 06:51	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 06:51	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 06:51	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 06:51	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 06:51	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 06:51	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 06:51	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 06:51	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 06:51	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 06:51	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 06:51	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 06:51	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 06:51	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 06:51	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 06:51	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 06:51	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 06:51	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 06:51	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 06:51	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 06:51	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 06:51	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 06:51	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 06:51	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 06:51	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 06:51	SS

Sample Information

Client Sample ID: WQ071613:1100NP2-6 **York Sample ID:** 13G0662-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13G0662	O&M Sag Harbor (Rowe Industries Site)	Water	July 16, 2013 11:00 am	07/18/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 06:51	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 06:51	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 06:51	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 06:51	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 06:51	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 06:51	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 06:51	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 06:51	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 06:51	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 06:51	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 06:51	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 06:51	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 06:51	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 06:51	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 06:51	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 06:51	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 06:51	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 06:51	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 06:51	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 06:51	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 06:51	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 06:51	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 06:51	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 06:51	SS
127-18-4	Tetrachloroethylene	**0.69**		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 06:51	SS
108-88-3	Toluene	**0.22**	J	ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 06:51	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 06:51	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 06:51	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 06:51	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 06:51	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 06:51	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 06:51	SS

Sample Information

Client Sample ID: WQ071613:1100NP2-6 **York Sample ID:** 13G0662-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13G0662	O&M Sag Harbor (Rowe Industries Site)	Water	July 16, 2013 11:00 am	07/18/2013

Volatile Organics, 8260 List - Low Level

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate Recoveries	**Result**		**Acceptance Range**							
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*108 %*		*72.6-129*							
460-00-4	*Surrogate: p-Bromofluorobenzene*	*98.5 %*		*63.5-145*							
2037-26-5	*Surrogate: Toluene-d8*	*86.5 %*		*81.2-127*							

Iron, Dissolved by EPA 6010

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	ND		mg/L	0.0200	0.0200	1	EPA SW846-6010B	07/23/2013 08:32	07/23/2013 11:05	AMC

Iron by EPA 200.7

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	**1.23**		mg/L	0.0146	0.0200	1	EPA 200.7	07/23/2013 08:34	07/23/2013 12:03	AMC

Sample Information

Client Sample ID: WQ071613:1105NP2-7 **York Sample ID:** 13G0662-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13G0662	O&M Sag Harbor (Rowe Industries Site)	Water	July 16, 2013 11:05 am	07/18/2013

Volatile Organics, 8260 List - Low Level

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	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 SW846-8260B	07/23/2013 10:15	07/24/2013 07:29	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 07:29	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 07:29	SS
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 07:29	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 07:29	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 07:29	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 07:29	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 07:29	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 07:29	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 07:29	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 07:29	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 07:29	SS

Sample Information

Client Sample ID: WQ071613:1105NP2-7 **York Sample ID:** 13G0662-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13G0662	O&M Sag Harbor (Rowe Industries Site)	Water	July 16, 2013 11:05 am	07/18/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 07:29	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 07:29	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 07:29	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 07:29	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 07:29	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 07:29	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 07:29	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 07:29	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 07:29	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 07:29	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 07:29	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 07:29	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 07:29	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 07:29	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 07:29	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 07:29	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 07:29	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 07:29	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 07:29	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 07:29	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 07:29	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 07:29	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 07:29	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 07:29	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 07:29	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 07:29	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 07:29	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 07:29	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 07:29	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 07:29	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 07:29	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 07:29	SS

Sample Information

Client Sample ID: WQ071613:1105NP2-7 **York Sample ID:** 13G0662-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13G0662	O&M Sag Harbor (Rowe Industries Site)	Water	July 16, 2013 11:05 am	07/18/2013

Volatile Organics, 8260 List - Low Level

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 07:29	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 07:29	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 07:29	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 07:29	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 07:29	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 07:29	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 07:29	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 07:29	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 07:29	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 07:29	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 07:29	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 07:29	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 07:29	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 07:29	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 07:29	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 07:29	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 07:29	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 07:29	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 07:29	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA SW846-8260B	07/23/2013 10:15	07/24/2013 07:29	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*107 %*	*72.6-129*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*97.5 %*	*63.5-145*
2037-26-5	*Surrogate: Toluene-d8*	*87.9 %*	*81.2-127*

Iron, Dissolved by EPA 6010

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	**0.0477**		mg/L	0.0200	0.0200	1	EPA SW846-6010B	07/23/2013 08:32	07/23/2013 11:09	AMC

Sample Information

Client Sample ID: WQ071613:1105NP2-7 **York Sample ID:** 13G0662-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13G0662	O&M Sag Harbor (Rowe Industries Site)	Water	July 16, 2013 11:05 am	07/18/2013

Iron by EPA 200.7

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	**1.08**		mg/L	0.0146	0.0200	1	EPA 200.7	07/23/2013 08:34	07/23/2013 12:08	AMC

Sample Information

Client Sample ID: WQ071613:1110NP2-10 **York Sample ID:** 13G0664-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13G0664	O&M Sag Harbor (Rowe Industries Site)	Water	July 18, 2013 11:10 am	07/18/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	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 SW846-8260B	07/24/2013 13:19	07/24/2013 16:14	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/24/2013 13:19	07/24/2013 16:14	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/24/2013 13:19	07/24/2013 16:14	SS
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/24/2013 13:19	07/24/2013 16:14	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/24/2013 13:19	07/24/2013 16:14	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/24/2013 13:19	07/24/2013 16:14	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/24/2013 13:19	07/24/2013 16:14	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/24/2013 13:19	07/24/2013 16:14	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	07/24/2013 13:19	07/24/2013 16:14	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/24/2013 13:19	07/24/2013 16:14	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	07/24/2013 13:19	07/24/2013 16:14	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/24/2013 13:19	07/24/2013 16:14	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	07/24/2013 13:19	07/24/2013 16:14	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/24/2013 13:19	07/24/2013 16:14	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/24/2013 13:19	07/24/2013 16:14	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/24/2013 13:19	07/24/2013 16:14	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/24/2013 13:19	07/24/2013 16:14	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/24/2013 13:19	07/24/2013 16:14	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/24/2013 13:19	07/24/2013 16:14	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/24/2013 13:19	07/24/2013 16:14	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/24/2013 13:19	07/24/2013 16:14	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/24/2013 13:19	07/24/2013 16:14	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/24/2013 13:19	07/24/2013 16:14	SS

Sample Information

Client Sample ID: WQ071613:1110NP2-10 **York Sample ID:** 13G0664-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13G0664	O&M Sag Harbor (Rowe Industries Site)	Water	July 18, 2013 11:10 am	07/18/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/24/2013 13:19	07/24/2013 16:14	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/24/2013 13:19	07/24/2013 16:14	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	07/24/2013 13:19	07/24/2013 16:14	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/24/2013 13:19	07/24/2013 16:14	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/24/2013 13:19	07/24/2013 16:14	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/24/2013 13:19	07/24/2013 16:14	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/24/2013 13:19	07/24/2013 16:14	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/24/2013 13:19	07/24/2013 16:14	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/24/2013 13:19	07/24/2013 16:14	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/24/2013 13:19	07/24/2013 16:14	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/24/2013 13:19	07/24/2013 16:14	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/24/2013 13:19	07/24/2013 16:14	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/24/2013 13:19	07/24/2013 16:14	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/24/2013 13:19	07/24/2013 16:14	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/24/2013 13:19	07/24/2013 16:14	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/24/2013 13:19	07/24/2013 16:14	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/24/2013 13:19	07/24/2013 16:14	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/24/2013 13:19	07/24/2013 16:14	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/24/2013 13:19	07/24/2013 16:14	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/24/2013 13:19	07/24/2013 16:14	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/24/2013 13:19	07/24/2013 16:14	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/24/2013 13:19	07/24/2013 16:14	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/24/2013 13:19	07/24/2013 16:14	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	07/24/2013 13:19	07/24/2013 16:14	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	07/24/2013 13:19	07/24/2013 16:14	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/24/2013 13:19	07/24/2013 16:14	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/24/2013 13:19	07/24/2013 16:14	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/24/2013 13:19	07/24/2013 16:14	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA SW846-8260B	07/24/2013 13:19	07/24/2013 16:14	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/24/2013 13:19	07/24/2013 16:14	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/24/2013 13:19	07/24/2013 16:14	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/24/2013 13:19	07/24/2013 16:14	SS

Sample Information

Client Sample ID: WQ071613:1110NP2-10 **York Sample ID:** 13G0664-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13G0664	O&M Sag Harbor (Rowe Industries Site)	Water	July 18, 2013 11:10 am	07/18/2013

Volatile Organics, 8260 List - Low Level

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/24/2013 13:19	07/24/2013 16:14	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/24/2013 13:19	07/24/2013 16:14	SS
108-88-3	Toluene	**0.49**	J	ug/L	0.20	0.50	1	EPA SW846-8260B	07/24/2013 13:19	07/24/2013 16:14	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/24/2013 13:19	07/24/2013 16:14	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/24/2013 13:19	07/24/2013 16:14	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/24/2013 13:19	07/24/2013 16:14	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/24/2013 13:19	07/24/2013 16:14	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA SW846-8260B	07/24/2013 13:19	07/24/2013 16:14	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA SW846-8260B	07/24/2013 13:19	07/24/2013 16:14	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*100 %*	*72.6-129*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*98.3 %*	*63.5-145*
2037-26-5	*Surrogate: Toluene-d8*	*93.9 %*	*81.2-127*

Iron, Dissolved by EPA 6010

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	**0.0613**		mg/L	0.0200	0.0200	1	EPA SW846-6010B	07/23/2013 08:32	07/23/2013 11:14	AMC

Iron by EPA 200.7

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	**2.23**		mg/L	0.0146	0.0200	1	EPA 200.7	07/23/2013 08:34	07/23/2013 12:13	AMC

Total Dissolved Solids

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

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	**122**		mg/L	10.0	10.0	1	SM 2540C	07/22/2013 16:12	07/22/2013 16:12	BGS

Analytical Batch Summary

Batch ID: BG31010 **Preparation Method:** % Solids Prep **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
13G0664-01	WQ071613:1110NP2-10	07/22/13
BG31010-BLK1	Blank	07/22/13

Batch ID: BG31022 **Preparation Method:** EPA 3010A **Prepared By:** AMC

YORK Sample ID	Client Sample ID	Preparation Date
13G0662-01	WQ071613:1100NP2-6	07/23/13
13G0662-02	WQ071613:1105NP2-7	07/23/13
13G0664-01	WQ071613:1110NP2-10	07/23/13
BG31022-BLK1	Blank	07/23/13
BG31022-DUP1	Duplicate	07/23/13
BG31022-MS1	Matrix Spike	07/23/13
BG31022-SRM1	Reference	07/23/13

Batch ID: BG31025 **Preparation Method:** EPA 3010A **Prepared By:** AMC

YORK Sample ID	Client Sample ID	Preparation Date
13G0662-01	WQ071613:1100NP2-6	07/23/13
13G0662-02	WQ071613:1105NP2-7	07/23/13
13G0664-01	WQ071613:1110NP2-10	07/23/13
BG31025-BLK1	Blank	07/23/13
BG31025-DUP1	Duplicate	07/23/13
BG31025-MS1	Matrix Spike	07/23/13
BG31025-SRM1	Reference	07/23/13

Batch ID: BG31069 **Preparation Method:** EPA 5030B **Prepared By:** EKM

YORK Sample ID	Client Sample ID	Preparation Date
13G0662-01	WQ071613:1100NP2-6	07/23/13
13G0662-02	WQ071613:1105NP2-7	07/23/13
BG31069-BLK1	Blank	07/23/13
BG31069-BS1	LCS	07/23/13
BG31069-BSD1	LCS Dup	07/23/13

Batch ID: BG31099 **Preparation Method:** EPA 5030B **Prepared By:** EKM

YORK Sample ID	Client Sample ID	Preparation Date
13G0664-01	WQ071613:1110NP2-10	07/24/13
BG31099-BLK1	Blank	07/24/13
BG31099-BS1	LCS	07/24/13
BG31099-BSD1	LCS Dup	07/24/13

Volatile Organic Compounds by EPA SW846-8260B - 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 BG31069 - EPA 5030B											
Blank (BG31069-BLK1)											Prepared & Analyzed: 07/23/2013
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	2.0	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	2.0	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	2.0	"								
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	"								
o-Xylene	ND	0.50	"								

Volatile Organic Compounds by EPA SW846-8260B - 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 BG31069 - EPA 5030B											
Blank (BG31069-BLK1)								Prepared & Analyzed: 07/23/2013			
p- & m- Xylenes	ND	1.0	ug/L								
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	*9.98*		*"*	*10.0*		*99.8*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*9.77*		*"*	*10.0*		*97.7*	*63.5-145*				
Surrogate: Toluene-d8	*9.92*		*"*	*10.0*		*99.2*	*81.2-127*				
LCS (BG31069-BS1)								Prepared & Analyzed: 07/23/2013			
1,1,1,2-Tetrachloroethane	10.8		ug/L	10.0		108	82.3-130				
1,1,1-Trichloroethane	11.2		"	10.0		112	75.6-137				
1,1,2,2-Tetrachloroethane	9.75		"	10.0		97.5	71.3-131				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.5		"	10.0		105	71.1-129				
1,1,2-Trichloroethane	9.29		"	10.0		92.9	74.5-129				
1,1-Dichloroethane	10.3		"	10.0		103	79.6-132				
1,1-Dichloroethylene	10.1		"	10.0		101	80.2-146				
1,1-Dichloropropylene	9.80		"	10.0		98.0	75-136				
1,2,3-Trichlorobenzene	9.45		"	10.0		94.5	66.1-136				
1,2,3-Trichloropropane	8.47		"	10.0		84.7	63-131				
1,2,4-Trichlorobenzene	9.45		"	10.0		94.5	70.6-136				
1,2,4-Trimethylbenzene	11.5		"	10.0		115	75.3-135				
1,2-Dibromo-3-chloropropane	9.94		"	10.0		99.4	58.9-140				
1,2-Dibromoethane	11.5		"	10.0		115	79-130				
1,2-Dichlorobenzene	9.59		"	10.0		95.9	76.1-122				
1,2-Dichloroethane	9.51		"	10.0		95.1	74.6-132				
1,2-Dichloropropane	8.64		"	10.0		86.4	76.9-129				
1,3,5-Trimethylbenzene	10.8		"	10.0		108	70.6-127				
1,3-Dichlorobenzene	10.1		"	10.0		101	77-124				
1,3-Dichloropropane	9.52		"	10.0		95.2	75.8-126				
1,4-Dichlorobenzene	10.0		"	10.0		100	76.6-125				
2,2-Dichloropropane	9.40		"	10.0		94.0	69-133				
2-Chlorotoluene	10.0		"	10.0		100	66.3-119				
2-Hexanone	9.65		"	10.0		96.5	70-130				
4-Chlorotoluene	10.2		"	10.0		102	69.2-127				
Acetone	8.46		"	10.0		84.6	70-130				
Benzene	10.7		"	10.0		107	76.2-129				
Bromobenzene	9.59		"	10.0		95.9	71.3-123				
Bromochloromethane	9.39		"	10.0		93.9	70.8-137				
Bromodichloromethane	9.09		"	10.0		90.9	79.7-134				
Bromoform	10.7		"	10.0		107	70.5-141				
Bromomethane	9.33		"	10.0		93.3	43.9-147				
Carbon tetrachloride	12.8		"	10.0		128	78.1-138				
Chlorobenzene	10.2		"	10.0		102	80.4-125				

Volatile Organic Compounds by EPA SW846-8260B - 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 BG31069 - EPA 5030B											
LCS (BG31069-BS1)								Prepared & Analyzed: 07/23/2013			
Chloroethane	8.72		ug/L	10.0		87.2	55.8-140				
Chloroform	10.1		"	10.0		101	76.6-133				
Chloromethane	8.22		"	10.0		82.2	48.8-115				
cis-1,2-Dichloroethylene	10.1		"	10.0		101	75.1-128				
cis-1,3-Dichloropropylene	9.79		"	10.0		97.9	74.5-128				
Dibromochloromethane	10.8		"	10.0		108	79.8-134				
Dibromomethane	8.77		"	10.0		87.7	79-130				
Dichlorodifluoromethane	8.14		"	10.0		81.4	47.1-101				
Ethyl Benzene	10.8		"	10.0		108	80.8-128				
Hexachlorobutadiene	9.93		"	10.0		99.3	64.8-128				
Isopropylbenzene	11.0		"	10.0		110	75.5-135				
Methyl tert-butyl ether (MTBE)	6.15		"	10.0		61.5	65.1-140	Low Bias			
Methylene chloride	9.54		"	10.0		95.4	61.3-120				
Naphthalene	10.3		"	10.0		103	62.3-148				
n-Butylbenzene	9.99		"	10.0		99.9	67.2-123				
n-Propylbenzene	10.8		"	10.0		108	70.5-127				
o-Xylene	10.2		"	10.0		102	75.9-122				
p- & m- Xylenes	21.2		"	20.0		106	77.7-127				
p-Isopropyltoluene	11.1		"	10.0		111	75.6-129				
sec-Butylbenzene	11.1		"	10.0		111	71.5-125				
Styrene	12.1		"	10.0		121	77.8-123				
tert-Butylbenzene	10.8		"	10.0		108	75.9-151				
Tetrachloroethylene	9.07		"	10.0		90.7	63.6-167				
Toluene	9.60		"	10.0		96.0	77-123				
trans-1,2-Dichloroethylene	9.94		"	10.0		99.4	76.3-139				
trans-1,3-Dichloropropylene	10.6		"	10.0		106	72.5-137				
Trichloroethylene	8.63		"	10.0		86.3	77.9-130				
Trichlorofluoromethane	9.64		"	10.0		96.4	57.4-133				
Vinyl Chloride	8.25		"	10.0		82.5	54.9-124				
Surrogate: 1,2-Dichloroethane-d4	*9.79*		*"*	*10.0*		*97.9*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*10.7*		*"*	*10.0*		*107*	*63.5-145*				
Surrogate: Toluene-d8	*8.79*		*"*	*10.0*		*87.9*	*81.2-127*				

Volatile Organic Compounds by EPA SW846-8260B - 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 BG31069 - EPA 5030B

LCS Dup (BG31069-BSD1) Prepared & Analyzed: 07/23/2013

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1,1,2-Tetrachloroethane	10.8		ug/L	10.0		108	82.3-130		0.740	21.1	
1,1,1-Trichloroethane	10.8		"	10.0		108	75.6-137		3.90	19.7	
1,1,2,2-Tetrachloroethane	10.8		"	10.0		108	71.3-131		10.2	20.8	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.79		"	10.0		97.9	71.1-129		7.19	21.7	
1,1,2-Trichloroethane	9.66		"	10.0		96.6	74.5-129		3.91	20.3	
1,1-Dichloroethane	10.0		"	10.0		100	79.6-132		3.15	20.6	
1,1-Dichloroethylene	9.28		"	10.0		92.8	80.2-146		8.07	20	
1,1-Dichloropropylene	9.20		"	10.0		92.0	75-136		6.32	19.3	
1,2,3-Trichlorobenzene	10.1		"	10.0		101	66.1-136		6.45	21.6	
1,2,3-Trichloropropane	9.75		"	10.0		97.5	63-131		14.1	23.9	
1,2,4-Trichlorobenzene	9.63		"	10.0		96.3	70.6-136		1.89	21.7	
1,2,4-Trimethylbenzene	11.0		"	10.0		110	75.3-135		4.89	18.8	
1,2-Dibromo-3-chloropropane	10.5		"	10.0		105	58.9-140		5.29	27.7	
1,2-Dibromoethane	12.2		"	10.0		122	79-130		5.74	23	
1,2-Dichlorobenzene	9.82		"	10.0		98.2	76.1-122		2.37	19.8	
1,2-Dichloroethane	9.96		"	10.0		99.6	74.6-132		4.62	20.2	
1,2-Dichloropropane	8.13		"	10.0		81.3	76.9-129		6.08	20.7	
1,3,5-Trimethylbenzene	10.2		"	10.0		102	70.6-127		5.79	18.9	
1,3-Dichlorobenzene	9.94		"	10.0		99.4	77-124		1.40	19.2	
1,3-Dichloropropane	9.88		"	10.0		98.8	75.8-126		3.71	22.1	
1,4-Dichlorobenzene	9.78		"	10.0		97.8	76.6-125		2.52	18.6	
2,2-Dichloropropane	9.73		"	10.0		97.3	69-133		3.45	19.8	
2-Chlorotoluene	9.52		"	10.0		95.2	66.3-119		5.32	21.6	
2-Hexanone	10.6		"	10.0		106	70-130		8.91	30	
4-Chlorotoluene	9.84		"	10.0		98.4	69.2-127		3.89	19	
Acetone	8.19		"	10.0		81.9	70-130		3.24	30	
Benzene	10.2		"	10.0		102	76.2-129		4.20	19	
Bromobenzene	9.61		"	10.0		96.1	71.3-123		0.208	20.3	
Bromochloromethane	9.36		"	10.0		93.6	70.8-137		0.320	23.9	
Bromodichloromethane	9.01		"	10.0		90.1	79.7-134		0.884	21	
Bromoform	11.8		"	10.0		118	70.5-141		10.3	21.8	
Bromomethane	8.85		"	10.0		88.5	43.9-147		5.28	28.4	
Carbon tetrachloride	12.0		"	10.0		120	78.1-138		6.62	20.1	
Chlorobenzene	9.95		"	10.0		99.5	80.4-125		2.29	19.9	
Chloroethane	8.31		"	10.0		83.1	55.8-140		4.82	23.3	
Chloroform	9.87		"	10.0		98.7	76.6-133		2.70	20.3	
Chloromethane	7.72		"	10.0		77.2	48.8-115		6.27	24.5	
cis-1,2-Dichloroethylene	9.76		"	10.0		97.6	75.1-128		3.52	20.5	
cis-1,3-Dichloropropylene	9.65		"	10.0		96.5	74.5-128		1.44	19.9	
Dibromochloromethane	11.2		"	10.0		112	79.8-134		3.00	21.3	
Dibromomethane	8.94		"	10.0		89.4	79-130		1.92	22.4	
Dichlorodifluoromethane	7.64		"	10.0		76.4	47.1-101		6.34	23.9	
Ethyl Benzene	10.4		"	10.0		104	80.8-128		3.76	19.2	
Hexachlorobutadiene	9.27		"	10.0		92.7	64.8-128		6.87	20.6	
Isopropylbenzene	10.2		"	10.0		102	75.5-135		7.62	20	
Methyl tert-butyl ether (MTBE)	6.54		"	10.0		65.4	65.1-140		6.15	23.6	
Methylene chloride	9.18		"	10.0		91.8	61.3-120		3.85	20.4	
Naphthalene	11.3		"	10.0		113	62.3-148		9.71	27.1	
n-Butylbenzene	9.25		"	10.0		92.5	67.2-123		7.69	19.1	
n-Propylbenzene	10.1		"	10.0		101	70.5-127		7.56	23.4	
o-Xylene	10.1		"	10.0		101	75.9-122		0.789	19.3	

Volatile Organic Compounds by EPA SW846-8260B - 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 BG31069 - EPA 5030B											
LCS Dup (BG31069-BSD1)								Prepared & Analyzed: 07/23/2013			
p- & m- Xylenes	20.4		ug/L	20.0		102	77.7-127		3.85	18.6	
p-Isopropyltoluene	10.4		"	10.0		104	75.6-129		6.54	19.1	
sec-Butylbenzene	10.3		"	10.0		103	71.5-125		7.55	18.9	
Styrene	12.2		"	10.0		122	77.8-123		1.15	20.9	
tert-Butylbenzene	10.4		"	10.0		104	75.9-151		4.07	20.9	
Tetrachloroethylene	8.57		"	10.0		85.7	63.6-167		5.67	27.7	
Toluene	9.96		"	10.0		99.6	77-123		3.68	18.7	
trans-1,2-Dichloroethylene	9.28		"	10.0		92.8	76.3-139		6.87	19.5	
trans-1,3-Dichloropropylene	11.1		"	10.0		111	72.5-137		5.08	19.3	
Trichloroethylene	8.01		"	10.0		80.1	77.9-130		7.45	20.5	
Trichlorofluoromethane	9.11		"	10.0		91.1	57.4-133		5.65	21.4	
Vinyl Chloride	7.68		"	10.0		76.8	54.9-124		7.16	22.3	
Surrogate: 1,2-Dichloroethane-d4	*10.1*		*"*	*10.0*		*101*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*10.2*		*"*	*10.0*		*102*	*63.5-145*				
Surrogate: Toluene-d8	*9.60*		*"*	*10.0*		*96.0*	*81.2-127*				
Batch BG31099 - EPA 5030B											
Blank (BG31099-BLK1)								Prepared & Analyzed: 07/24/2013			
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	2.0	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	2.0	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	2.0	"								
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	"								

Volatile Organic Compounds by EPA SW846-8260B - 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 BG31099 - EPA 5030B											
Blank (BG31099-BLK1)											Prepared & Analyzed: 07/24/2013
Chlorobenzene	ND	0.50	ug/L								
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	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: 1,2-Dichloroethane-d4	*9.77*		"	*10.0*		*97.7*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*9.98*		"	*10.0*		*99.8*	*63.5-145*				
Surrogate: Toluene-d8	*9.33*		"	*10.0*		*93.3*	*81.2-127*				

Volatile Organic Compounds by EPA SW846-8260B - 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 BG31099 - EPA 5030B											
LCS (BG31099-BS1)							Prepared & Analyzed: 07/24/2013				
1,1,1,2-Tetrachloroethane	11.1		ug/L	10.0		111	82.3-130				
1,1,1-Trichloroethane	11.1		"	10.0		111	75.6-137				
1,1,2,2-Tetrachloroethane	10.3		"	10.0		103	71.3-131				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.2		"	10.0		102	71.1-129				
1,1,2-Trichloroethane	8.95		"	10.0		89.5	74.5-129				
1,1-Dichloroethane	10.6		"	10.0		106	79.6-132				
1,1-Dichloroethylene	10.0		"	10.0		100	80.2-146				
1,1-Dichloropropylene	9.50		"	10.0		95.0	75-136				
1,2,3-Trichlorobenzene	10.2		"	10.0		102	66.1-136				
1,2,3-Trichloropropane	9.18		"	10.0		91.8	63-131				
1,2,4-Trichlorobenzene	10.2		"	10.0		102	70.6-136				
1,2,4-Trimethylbenzene	11.3		"	10.0		113	75.3-135				
1,2-Dibromo-3-chloropropane	9.85		"	10.0		98.5	58.9-140				
1,2-Dibromoethane	11.5		"	10.0		115	79-130				
1,2-Dichlorobenzene	9.74		"	10.0		97.4	76.1-122				
1,2-Dichloroethane	10.4		"	10.0		104	74.6-132				
1,2-Dichloropropane	9.35		"	10.0		93.5	76.9-129				
1,3,5-Trimethylbenzene	10.7		"	10.0		107	70.6-127				
1,3-Dichlorobenzene	10.1		"	10.0		101	77-124				
1,3-Dichloropropane	9.99		"	10.0		99.9	75.8-126				
1,4-Dichlorobenzene	9.89		"	10.0		98.9	76.6-125				
2,2-Dichloropropane	9.49		"	10.0		94.9	69-133				
2-Chlorotoluene	10.0		"	10.0		100	66.3-119				
2-Hexanone	9.27		"	10.0		92.7	70-130				
4-Chlorotoluene	10.3		"	10.0		103	69.2-127				
Acetone	9.36		"	10.0		93.6	70-130				
Benzene	10.8		"	10.0		108	76.2-129				
Bromobenzene	9.77		"	10.0		97.7	71.3-123				
Bromochloromethane	10.1		"	10.0		101	70.8-137				
Bromodichloromethane	9.97		"	10.0		99.7	79.7-134				
Bromoform	10.6		"	10.0		106	70.5-141				
Bromomethane	9.80		"	10.0		98.0	43.9-147				
Carbon tetrachloride	12.3		"	10.0		123	78.1-138				
Chlorobenzene	10.6		"	10.0		106	80.4-125				
Chloroethane	8.73		"	10.0		87.3	55.8-140				
Chloroform	10.4		"	10.0		104	76.6-133				
Chloromethane	7.77		"	10.0		77.7	48.8-115				
cis-1,2-Dichloroethylene	10.3		"	10.0		103	75.1-128				
cis-1,3-Dichloropropylene	11.0		"	10.0		110	74.5-128				
Dibromochloromethane	11.1		"	10.0		111	79.8-134				
Dibromomethane	9.58		"	10.0		95.8	79-130				
Dichlorodifluoromethane	6.07		"	10.0		60.7	47.1-101				
Ethyl Benzene	11.2		"	10.0		112	80.8-128				
Hexachlorobutadiene	9.98		"	10.0		99.8	64.8-128				
Isopropylbenzene	11.0		"	10.0		110	75.5-135				
Methyl tert-butyl ether (MTBE)	6.84		"	10.0		68.4	65.1-140				
Methylene chloride	10.1		"	10.0		101	61.3-120				
Naphthalene	10.9		"	10.0		109	62.3-148				
n-Butylbenzene	10.2		"	10.0		102	67.2-123				
n-Propylbenzene	10.9		"	10.0		109	70.5-127				
o-Xylene	10.7		"	10.0		107	75.9-122				

Volatile Organic Compounds by EPA SW846-8260B - 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 BG31099 - EPA 5030B											
LCS (BG31099-BS1)							Prepared & Analyzed: 07/24/2013				
p- & m- Xylenes	22.4		ug/L	20.0		112	77.7-127				
p-Isopropyltoluene	10.9		"	10.0		109	75.6-129				
sec-Butylbenzene	11.0		"	10.0		110	71.5-125				
Styrene	12.4		"	10.0		124	77.8-123	High Bias			
tert-Butylbenzene	10.5		"	10.0		105	75.9-151				
Tetrachloroethylene	8.75		"	10.0		87.5	63.6-167				
Toluene	9.72		"	10.0		97.2	77-123				
trans-1,2-Dichloroethylene	9.96		"	10.0		99.6	76.3-139				
trans-1,3-Dichloropropylene	10.7		"	10.0		107	72.5-137				
Trichloroethylene	9.28		"	10.0		92.8	77.9-130				
Trichlorofluoromethane	9.42		"	10.0		94.2	57.4-133				
Vinyl Chloride	7.99		"	10.0		79.9	54.9-124				
Surrogate: 1,2-Dichloroethane-d4	*9.97*		*"*	*10.0*		*99.7*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*10.2*		*"*	*10.0*		*102*	*63.5-145*				
Surrogate: Toluene-d8	*9.10*		*"*	*10.0*		*91.0*	*81.2-127*				
LCS Dup (BG31099-BSD1)							Prepared & Analyzed: 07/24/2013				
1,1,1,2-Tetrachloroethane	10.2		ug/L	10.0		102	82.3-130		8.19	21.1	
1,1,1-Trichloroethane	10.6		"	10.0		106	75.6-137		4.41	19.7	
1,1,2,2-Tetrachloroethane	9.19		"	10.0		91.9	71.3-131		11.6	20.8	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.2		"	10.0		102	71.1-129		0.293	21.7	
1,1,2-Trichloroethane	7.99		"	10.0		79.9	74.5-129		11.3	20.3	
1,1-Dichloroethane	9.96		"	10.0		99.6	79.6-132		5.94	20.6	
1,1-Dichloroethylene	9.72		"	10.0		97.2	80.2-146		3.34	20	
1,1-Dichloropropylene	9.34		"	10.0		93.4	75-136		1.70	19.3	
1,2,3-Trichlorobenzene	9.51		"	10.0		95.1	66.1-136		6.51	21.6	
1,2,3-Trichloropropane	8.60		"	10.0		86.0	63-131		6.52	23.9	
1,2,4-Trichlorobenzene	9.59		"	10.0		95.9	70.6-136		6.26	21.7	
1,2,4-Trimethylbenzene	11.4		"	10.0		114	75.3-135		0.441	18.8	
1,2-Dibromo-3-chloropropane	9.55		"	10.0		95.5	58.9-140		3.09	27.7	
1,2-Dibromoethane	10.2		"	10.0		102	79-130		12.5	23	
1,2-Dichlorobenzene	9.59		"	10.0		95.9	76.1-122		1.55	19.8	
1,2-Dichloroethane	9.28		"	10.0		92.8	74.6-132		11.4	20.2	
1,2-Dichloropropane	8.85		"	10.0		88.5	76.9-129		5.49	20.7	
1,3,5-Trimethylbenzene	10.9		"	10.0		109	70.6-127		2.22	18.9	
1,3-Dichlorobenzene	10.0		"	10.0		100	77-124		0.893	19.2	
1,3-Dichloropropane	9.14		"	10.0		91.4	75.8-126		8.89	22.1	
1,4-Dichlorobenzene	9.85		"	10.0		98.5	76.6-125		0.405	18.6	
2,2-Dichloropropane	8.78		"	10.0		87.8	69-133		7.77	19.8	
2-Chlorotoluene	10.1		"	10.0		101	66.3-119		0.498	21.6	
2-Hexanone	8.11		"	10.0		81.1	70-130		13.3	30	
4-Chlorotoluene	10.4		"	10.0		104	69.2-127		0.581	19	
Acetone	8.75		"	10.0		87.5	70-130		6.74	30	
Benzene	10.3		"	10.0		103	76.2-129		4.27	19	
Bromobenzene	9.41		"	10.0		94.1	71.3-123		3.75	20.3	
Bromochloromethane	9.08		"	10.0		90.8	70.8-137		10.5	23.9	
Bromodichloromethane	9.47		"	10.0		94.7	79.7-134		5.14	21	
Bromoform	9.70		"	10.0		97.0	70.5-141		8.49	21.8	
Bromomethane	9.84		"	10.0		98.4	43.9-147		0.407	28.4	
Carbon tetrachloride	11.7		"	10.0		117	78.1-138		4.83	20.1	
Chlorobenzene	10.1		"	10.0		101	80.4-125		5.32	19.9	
Chloroethane	8.41		"	10.0		84.1	55.8-140		3.73	23.3	

Volatile Organic Compounds by EPA SW846-8260B - 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 BG31099 - EPA 5030B											
LCS Dup (BG31099-BSD1)								Prepared & Analyzed: 07/24/2013			
Chloroform	9.90		ug/L	10.0		99.0	76.6-133		5.02	20.3	
Chloromethane	7.52		"	10.0		75.2	48.8-115		3.27	24.5	
cis-1,2-Dichloroethylene	9.77		"	10.0		97.7	75.1-128		5.48	20.5	
cis-1,3-Dichloropropylene	10.3		"	10.0		103	74.5-128		6.57	19.9	
Dibromochloromethane	9.91		"	10.0		99.1	79.8-134		11.6	21.3	
Dibromomethane	8.76		"	10.0		87.6	79-130		8.94	22.4	
Dichlorodifluoromethane	5.93		"	10.0		59.3	47.1-101		2.33	23.9	
Ethyl Benzene	11.1		"	10.0		111	80.8-128		1.53	19.2	
Hexachlorobutadiene	10.1		"	10.0		101	64.8-128		1.39	20.6	
Isopropylbenzene	11.2		"	10.0		112	75.5-135		2.07	20	
Methyl tert-butyl ether (MTBE)	6.50		"	10.0		65.0	65.1-140	Low Bias	5.10	23.6	
Methylene chloride	9.13		"	10.0		91.3	61.3-120		9.69	20.4	
Naphthalene	10.1		"	10.0		101	62.3-148		7.65	27.1	
n-Butylbenzene	10.4		"	10.0		104	67.2-123		1.95	19.1	
n-Propylbenzene	11.1		"	10.0		111	70.5-127		1.82	23.4	
o-Xylene	10.2		"	10.0		102	75.9-122		4.02	19.3	
p- & m- Xylenes	21.8		"	20.0		109	77.7-127		3.03	18.6	
p-Isopropyltoluene	11.2		"	10.0		112	75.6-129		2.80	19.1	
sec-Butylbenzene	11.3		"	10.0		113	71.5-125		2.96	18.9	
Styrene	11.7		"	10.0		117	77.8-123		6.04	20.9	
tert-Butylbenzene	10.8		"	10.0		108	75.9-151		2.62	20.9	
Tetrachloroethylene	8.65		"	10.0		86.5	63.6-167		1.15	27.7	
Toluene	9.56		"	10.0		95.6	77-123		1.66	18.7	
trans-1,2-Dichloroethylene	9.69		"	10.0		96.9	76.3-139		2.75	19.5	
trans-1,3-Dichloropropylene	9.40		"	10.0		94.0	72.5-137		13.2	19.3	
Trichloroethylene	9.01		"	10.0		90.1	77.9-130		2.95	20.5	
Trichlorofluoromethane	9.04		"	10.0		90.4	57.4-133		4.12	21.4	
Vinyl Chloride	7.77		"	10.0		77.7	54.9-124		2.79	22.3	
Surrogate: 1,2-Dichloroethane-d4	*9.43*		*"*	*10.0*		*94.3*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*10.3*		*"*	*10.0*		*103*	*63.5-145*				
Surrogate: Toluene-d8	*9.21*		*"*	*10.0*		*92.1*	*81.2-127*				

Metals by EPA 6000 Series Methods - 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 BG31022 - EPA 3010A											
Blank (BG31022-BLK1)								Prepared & Analyzed: 07/23/2013			
Iron - Dissolved	ND	0.0200	mg/L								
Duplicate (BG31022-DUP1)	*Source sample: 13G0664-01 (WQ071613:1110NP2-10)							Prepared & Analyzed: 07/23/2013			
Iron - Dissolved	0.0621	0.0200	mg/L		0.0613				1.30	20	
Matrix Spike (BG31022-MS1)	*Source sample: 13G0664-01 (WQ071613:1110NP2-10)							Prepared & Analyzed: 07/23/2013			
Iron - Dissolved	1.07	0.0200	mg/L	1.00	0.0613	101	75-125				
Reference (BG31022-SRM1)								Prepared & Analyzed: 07/23/2013			
Iron - Dissolved	1.33	0.0200	mg/L	1.39		95.7	88.4-113				

Metals by EPA 200 Series Methods - 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 BG31025 - EPA 3010A											
Blank (BG31025-BLK1)								Prepared & Analyzed: 07/23/2013			
Iron	ND	0.0200	mg/L								
Duplicate (BG31025-DUP1)	*Source sample: 13G0664-01 (WQ071613:1110NP2-10)							Prepared & Analyzed: 07/23/2013			
Iron	2.16	0.0200	mg/L		2.23				2.83	20	
Matrix Spike (BG31025-MS1)	*Source sample: 13G0664-01 (WQ071613:1110NP2-10)							Prepared & Analyzed: 07/23/2013			
Iron	3.19	0.0200	mg/L	1.00	2.23	96.3	75-125				
Reference (BG31025-SRM1)								Prepared & Analyzed: 07/23/2013			
Iron	1.30	0.0200	mg/L	1.39		93.2	88.4-113				

Miscellaneous Physical/Conventional Chemistry 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 BG31010 - % Solids Prep											
Blank (BG31010-BLK1)											Prepared & Analyzed: 07/22/2013
Total Dissolved Solids	ND	10.0	mg/L								

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
13G0662-01	WQ071613:1100NP2-6	250mL Plastic Cool to 4° C
13G0662-02	WQ071613:1105NP2-7	250mL Plastic Cool to 4° C
13G0664-01	WQ071613:1110NP2-10	250mL Plastic Cool to 4° C

Notes and Definitions

QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
M-LSRD	Original sample conc <50 X reporting limit.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.

ND	Analyte NOT DETECTED at the stated Reporting Limit (RL) or above.
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
MDL	METHOD DETECTION LIMIT - the minimum concentration that can be measured and reported with a 99% confidence that the concentration is greater than zero. If requested or required, a value reported below the RL and above the MDL is considered estimated and is noted with a "J" flag.
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 MDL, with values between the MDL and the RL being "J" flagged as estimated results.

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. 13G0662

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

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

Samples Collected/Authorized By (Signature): [signature]

Name (printed): STEPHEN HNAT

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	BTU/lb.
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part360-Expanded	Aquatic Tox.
Halog.only	NJDEP list	App. IX	Chlordane	Indiv. Metals	Air TICs	NYCDEP Sewer	TOC
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer	Asbestos
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM	Silica

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

Sample Identification	Date Sampled		Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
WQ071613:1100NP2-6	7/16/13	1100 (~~1110~~ SH)	GW	Fe by EPA 200.7 / Fe, Dissolved by EPA 6010 (SW846-6010B) / VOCs, 8260 List (EPA SW845-8260B) plus freon 113	3v 2P
WQ071613:1105NP2-7	↓	1105	GW	↓	3v 2P
WQ071613:1110NP2-10	↓	1110	GW	Fe by EPA 200.7 / Fe, Dissolved by EPA 6010 (SW846-6010B) / VOCs 8260 List (EPA SW845-8260B) plus freon 113 / TDS (SM 2540C)	3v 3P

Comments

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

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Samples Relinquished By	Date/Time	Samples Received By	Date/Time
[signature]	7/18/13 1424	TC [signature]	7/18/13 1424
Samples Relinquished By	Date/Time	Samples Received in LAB by: [signature] 7-18-13	Date/Time 1700

Temperature on Receipt 3.8 °C

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. 1360664

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

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

Samples Collected/Authorized By (Signature)

STEPHEN HNAT
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+TCN	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	BTU/lb.
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part360-Extra	Aquatic Tox.
Halog.only	NJDEP list	App. IX	Chlordane	Info 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	SPLP

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
WQ071613:1100NP2-6	7/16/13 1100 HHD-SH	GW	Fe by EPA 200.7 / Fe, Dissolved by EPA 6010 (SW846-6010B) / VOCs, 8260 List (EPA SW846-8260B) plus Freon 113	3v 2p
WQ071613:1105NP2-7	1105	GW	↓	3v 2p
WQ071613:1110NP2-10	1110	GW	Fe by EPA 200.7 / Fe, Dissolved by EPA 6010 (SW846-6010B) / VOCs 8260 List (EPA SW846-8260B) plus Freon 113 / TOC (SM 5310C)	3v 3p

Comments

Preservation Check those Applicable: Frozen ___ HCl X MeOH ___ HNO3 X H2SO4 ___ NaOH ___ ZnAc ___ Ascorbic Acid ___ Other ___

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Samples Relinquished By	Date/Time	Samples Received By	Date/Time	Temperature on Receipt
	7/18/13 1424	TC Mahler	7/18/13 1424	3.8 °C
Samples Relinquished By	Date/Time	Samples Received in L.A.B. by: Grace	7-18-13 1700	

Technical Report

prepared for:

Leggette Brashears & Graham Shelton Office
4 Research Drive, Suite 301
Shelton CT, 06484
Attention: Tunde Komuves-Sandor

Report Date: 08/02/2013
Client Project ID: O&M Sag Harbor (Rowe Industries Site)
York Project (SDG) No.: 13G0916

Report Date: 08/02/2013
Client Project ID: O&M Sag Harbor (Rowe Industries Site)
York Project (SDG) No.: 13G0916

Leggette Brashears & Graham Shelton Office
4 Research Drive, Suite 301
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 July 26, 2013 and listed below. The project was identified as your project: **O&M Sag Harbor (Rowe Industries Site)**.

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 Notes 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 attachment to 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
13G0916-01	WQ072513:1120NP2-10	Water	07/25/2013	07/26/2013
13G0919-01	WQ072513:1100NP2-6	Water	07/25/2013	07/26/2013
13G0919-02	WQ072513:1110NP2-7	Water	07/25/2013	07/26/2013

General Notes for York Project (SDG) No.: 13G0916

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 samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By: 

Date: 08/02/2013

Benjamin Gulizia
Laboratory Director

YORK

Sample Information

Client Sample ID: WQ072513:1120NP2-10 **York Sample ID:** 13G0916-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13G0916	O&M Sag Harbor (Rowe Industries Site)	Water	July 25, 2013 3:00 pm	07/26/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	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 SW846-8260B	07/29/2013 10:45	07/30/2013 01:22	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 01:22	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 01:22	SS
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 01:22	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 01:22	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 01:22	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 01:22	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 01:22	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 01:22	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 01:22	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 01:22	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 01:22	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 01:22	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 01:22	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 01:22	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 01:22	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 01:22	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 01:22	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 01:22	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 01:22	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 01:22	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 01:22	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 01:22	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 01:22	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 01:22	SS
67-64-1	Acetone	**20**		ug/L	1.0	2.0	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 01:22	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 01:22	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 01:22	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 01:22	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 01:22	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 01:22	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 01:22	SS

Sample Information

Client Sample ID: WQ072513:1120NP2-10 **York Sample ID:** 13G0916-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13G0916	O&M Sag Harbor (Rowe Industries Site)	Water	July 25, 2013 3:00 pm	07/26/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 01:22	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 01:22	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 01:22	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 01:22	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 01:22	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 01:22	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 01:22	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 01:22	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 01:22	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 01:22	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 01:22	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 01:22	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 01:22	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 01:22	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 01:22	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 01:22	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 01:22	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 01:22	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 01:22	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 01:22	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 01:22	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 01:22	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 01:22	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 01:22	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 01:22	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 01:22	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 01:22	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 01:22	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 01:22	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 01:22	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 01:22	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 01:22	SS

Sample Information

Client Sample ID: WQ072513:1120NP2-10 **York Sample ID:** 13G0916-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13G0916	O&M Sag Harbor (Rowe Industries Site)	Water	July 25, 2013 3:00 pm	07/26/2013

Volatile Organics, 8260 List - Low Level

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate Recoveries	**Result**		**Acceptance Range**							
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*101 %*		*72.6-129*							
460-00-4	*Surrogate: p-Bromofluorobenzene*	*94.3 %*		*63.5-145*							
2037-26-5	*Surrogate: Toluene-d8*	*110 %*		*81.2-127*							

Iron, Dissolved by EPA 6010

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	ND		mg/L	0.0200	0.0200	1	EPA SW846-6010B	07/31/2013 15:02	07/31/2013 17:45	MW

Iron by EPA 200.7

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	**42.8**		mg/L	0.0146	0.0200	1	EPA 200.7	07/31/2013 15:07	07/31/2013 19:35	MW

Total Dissolved Solids

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

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	**125**		mg/L	10.0	10.0	1	SM 2540C	08/01/2013 09:22	08/01/2013 15:28	BGS

Sample Information

Client Sample ID: WQ072513:1100NP2-6 **York Sample ID:** 13G0919-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13G0919	O&M Sag Harbor (Rowe Industries Site)	Water	July 25, 2013 3:00 pm	07/26/2013

Volatile Organics, 8260 List - Low Level

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	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 SW846-8260B	07/29/2013 10:45	07/30/2013 02:41	SS
71-55-6	1,1,1-Trichloroethane	**0.38**	J	ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 02:41	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 02:41	SS
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 02:41	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 02:41	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 02:41	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 02:41	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 02:41	SS

Sample Information

Client Sample ID: WQ072513:1100NP2-6 **York Sample ID:** 13G0919-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13G0919	O&M Sag Harbor (Rowe Industries Site)	Water	July 25, 2013 3:00 pm	07/26/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 02:41	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 02:41	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 02:41	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 02:41	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 02:41	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 02:41	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 02:41	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 02:41	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 02:41	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 02:41	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 02:41	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 02:41	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 02:41	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 02:41	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 02:41	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 02:41	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 02:41	SS
67-64-1	Acetone	**16**		ug/L	1.0	2.0	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 02:41	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 02:41	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 02:41	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 02:41	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 02:41	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 02:41	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 02:41	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 02:41	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 02:41	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 02:41	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 02:41	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 02:41	SS
156-59-2	cis-1,2-Dichloroethylene	**0.25**	J	ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 02:41	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 02:41	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 02:41	SS

Sample Information

Client Sample ID: WQ072513:1100NP2-6 **York Sample ID:** 13G0919-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13G0919	O&M Sag Harbor (Rowe Industries Site)	Water	July 25, 2013 3:00 pm	07/26/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 02:41	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 02:41	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 02:41	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 02:41	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 02:41	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 02:41	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 02:41	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 02:41	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 02:41	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 02:41	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 02:41	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 02:41	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 02:41	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 02:41	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 02:41	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 02:41	SS
127-18-4	Tetrachloroethylene	**0.98**		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 02:41	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 02:41	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 02:41	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 02:41	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 02:41	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 02:41	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 02:41	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 02:41	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*114 %*	*72.6-129*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*96.6 %*	*63.5-145*
2037-26-5	*Surrogate: Toluene-d8*	*108 %*	*81.2-127*

Sample Information

Client Sample ID: WQ072513:1100NP2-6 **York Sample ID:** 13G0919-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13G0919	O&M Sag Harbor (Rowe Industries Site)	Water	July 25, 2013 3:00 pm	07/26/2013

Iron, Dissolved by EPA 6010

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	ND		mg/L	0.0200	0.0200	1	EPA SW846-6010B	07/31/2013 15:02	07/31/2013 18:02	MW

Iron by EPA 200.7

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	**25.3**		mg/L	0.0146	0.0200	1	EPA 200.7	07/31/2013 15:07	07/31/2013 19:40	MW

Sample Information

Client Sample ID: WQ072513:1110NP2-7 **York Sample ID:** 13G0919-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13G0919	O&M Sag Harbor (Rowe Industries Site)	Water	July 25, 2013 3:00 pm	07/26/2013

Volatile Organics, 8260 List - Low Level

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	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 SW846-8260B	07/29/2013 10:45	07/30/2013 03:20	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 03:20	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 03:20	SS
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 03:20	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 03:20	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 03:20	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 03:20	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 03:20	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 03:20	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 03:20	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 03:20	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 03:20	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 03:20	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 03:20	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 03:20	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 03:20	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 03:20	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 03:20	SS

Sample Information

Client Sample ID: WQ072513:1110NP2-7 **York Sample ID:** 13G0919-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13G0919	O&M Sag Harbor (Rowe Industries Site)	Water	July 25, 2013 3:00 pm	07/26/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 03:20	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 03:20	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 03:20	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 03:20	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 03:20	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 03:20	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 03:20	SS
67-64-1	Acetone	**5.2**		ug/L	1.0	2.0	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 03:20	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 03:20	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 03:20	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 03:20	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 03:20	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 03:20	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 03:20	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 03:20	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 03:20	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 03:20	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 03:20	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 03:20	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 03:20	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 03:20	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 03:20	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 03:20	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 03:20	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 03:20	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 03:20	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 03:20	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 03:20	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 03:20	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 03:20	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 03:20	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 03:20	SS

Sample Information

Client Sample ID: WQ072513:1110NP2-7 **York Sample ID:** 13G0919-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13G0919	O&M Sag Harbor (Rowe Industries Site)	Water	July 25, 2013 3:00 pm	07/26/2013

Volatile Organics, 8260 List - Low Level

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 03:20	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 03:20	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 03:20	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 03:20	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 03:20	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 03:20	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 03:20	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 03:20	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 03:20	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 03:20	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 03:20	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 03:20	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 03:20	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 03:20	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*110 %*	*72.6-129*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*93.5 %*	*63.5-145*
2037-26-5	*Surrogate: Toluene-d8*	*108 %*	*81.2-127*

Iron, Dissolved by EPA 6010

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	**0.0238**		mg/L	0.0200	0.0200	1	EPA SW846-6010B	07/31/2013 15:02	07/31/2013 18:07	MW

Iron by EPA 200.7

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	**36.2**		mg/L	0.0146	0.0200	1	EPA 200.7	07/31/2013 15:07	07/31/2013 19:45	MW

Analytical Batch Summary

Batch ID: BG31324 **Preparation Method:** EPA 5030B **Prepared By:** KH

YORK Sample ID	Client Sample ID	Preparation Date
13G0916-01	WQ072513:1120NP2-10	07/29/13
13G0919-01	WQ072513:1100NP2-6	07/29/13
13G0919-02	WQ072513:1110NP2-7	07/29/13
BG31324-BLK1	Blank	07/29/13
BG31324-BS1	LCS	07/29/13
BG31324-BSD1	LCS Dup	07/29/13

Batch ID: BG31486 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
13G0916-01	WQ072513:1120NP2-10	07/31/13
13G0919-01	WQ072513:1100NP2-6	07/31/13
13G0919-02	WQ072513:1110NP2-7	07/31/13
BG31486-BLK1	Blank	07/31/13
BG31486-DUP1	Duplicate	07/31/13
BG31486-MS1	Matrix Spike	07/31/13
BG31486-SRM1	Reference	07/31/13

Batch ID: BG31487 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
13G0916-01	WQ072513:1120NP2-10	07/31/13
13G0919-01	WQ072513:1100NP2-6	07/31/13
13G0919-02	WQ072513:1110NP2-7	07/31/13
BG31487-BLK1	Blank	07/31/13
BG31487-SRM1	Reference	07/31/13

Batch ID: BH30022 **Preparation Method:** % Solids Prep **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
13G0916-01	WQ072513:1120NP2-10	08/01/13
BH30022-BLK1	Blank	08/01/13

Volatile Organic Compounds by EPA SW846-8260B - 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 BG31324 - EPA 5030B											
Blank (BG31324-BLK1)											Prepared & Analyzed: 07/29/2013
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	2.0	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	2.0	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	2.0	"								
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	"								
o-Xylene	ND	0.50	"								

Volatile Organic Compounds by EPA SW846-8260B - 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 BG31324 - EPA 5030B											
Blank (BG31324-BLK1)									Prepared & Analyzed: 07/29/2013		
p- & m- Xylenes	ND	1.0	ug/L								
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	*10.9*		*"*	*10.0*		*109*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*9.32*		*"*	*10.0*		*93.2*	*63.5-145*				
Surrogate: Toluene-d8	*10.6*		*"*	*10.0*		*106*	*81.2-127*				
LCS (BG31324-BS1)									Prepared & Analyzed: 07/29/2013		
1,1,1,2-Tetrachloroethane	10.8		ug/L	10.0		108	82.3-130				
1,1,1-Trichloroethane	10.8		"	10.0		108	75.6-137				
1,1,2,2-Tetrachloroethane	10.2		"	10.0		102	71.3-131				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0		"	10.0		100	71.1-129				
1,1,2-Trichloroethane	10.5		"	10.0		105	74.5-129				
1,1-Dichloroethane	9.93		"	10.0		99.3	79.6-132				
1,1-Dichloroethylene	9.27		"	10.0		92.7	80.2-146				
1,1-Dichloropropylene	9.50		"	10.0		95.0	75-136				
1,2,3-Trichlorobenzene	9.58		"	10.0		95.8	66.1-136				
1,2,3-Trichloropropane	10.1		"	10.0		101	63-131				
1,2,4-Trichlorobenzene	9.66		"	10.0		96.6	70.6-136				
1,2,4-Trimethylbenzene	10.0		"	10.0		100	75.3-135				
1,2-Dibromo-3-chloropropane	10.5		"	10.0		105	58.9-140				
1,2-Dibromoethane	11.4		"	10.0		114	79-130				
1,2-Dichlorobenzene	9.62		"	10.0		96.2	76.1-122				
1,2-Dichloroethane	9.88		"	10.0		98.8	74.6-132				
1,2-Dichloropropane	9.17		"	10.0		91.7	76.9-129				
1,3,5-Trimethylbenzene	9.97		"	10.0		99.7	70.6-127				
1,3-Dichlorobenzene	9.87		"	10.0		98.7	77-124				
1,3-Dichloropropane	10.5		"	10.0		105	75.8-126				
1,4-Dichlorobenzene	9.89		"	10.0		98.9	76.6-125				
2,2-Dichloropropane	11.0		"	10.0		110	69-133				
2-Chlorotoluene	9.60		"	10.0		96.0	66.3-119				
2-Hexanone	10.7		"	10.0		107	70-130				
4-Chlorotoluene	9.90		"	10.0		99.0	69.2-127				
Acetone	9.04		"	10.0		90.4	70-130				
Benzene	9.64		"	10.0		96.4	76.2-129				
Bromobenzene	9.88		"	10.0		98.8	71.3-123				
Bromochloromethane	9.80		"	10.0		98.0	70.8-137				
Bromodichloromethane	10.1		"	10.0		101	79.7-134				
Bromoform	11.8		"	10.0		118	70.5-141				
Bromomethane	7.90		"	10.0		79.0	43.9-147				
Carbon tetrachloride	12.0		"	10.0		120	78.1-138				
Chlorobenzene	9.73		"	10.0		97.3	80.4-125				

Volatile Organic Compounds by EPA SW846-8260B - 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 BG31324 - EPA 5030B											
LCS (BG31324-BS1)									Prepared & Analyzed: 07/29/2013		
Chloroethane	9.00		ug/L	10.0		90.0	55.8-140				
Chloroform	10.1		"	10.0		101	76.6-133				
Chloromethane	7.86		"	10.0		78.6	48.8-115				
cis-1,2-Dichloroethylene	9.69		"	10.0		96.9	75.1-128				
cis-1,3-Dichloropropylene	10.5		"	10.0		105	74.5-128				
Dibromochloromethane	12.5		"	10.0		125	79.8-134				
Dibromomethane	9.76		"	10.0		97.6	79-130				
Dichlorodifluoromethane	7.83		"	10.0		78.3	47.1-101				
Ethyl Benzene	10.2		"	10.0		102	80.8-128				
Hexachlorobutadiene	10.1		"	10.0		101	64.8-128				
Isopropylbenzene	10.0		"	10.0		100	75.5-135				
Methyl tert-butyl ether (MTBE)	9.76		"	10.0		97.6	65.1-140				
Methylene chloride	9.30		"	10.0		93.0	61.3-120				
Naphthalene	9.89		"	10.0		98.9	62.3-148				
n-Butylbenzene	9.58		"	10.0		95.8	67.2-123				
n-Propylbenzene	9.84		"	10.0		98.4	70.5-127				
o-Xylene	9.58		"	10.0		95.8	75.9-122				
p- & m- Xylenes	19.8		"	20.0		99.2	77.7-127				
p-Isopropyltoluene	10.2		"	10.0		102	75.6-129				
sec-Butylbenzene	10.2		"	10.0		102	71.5-125				
Styrene	10.2		"	10.0		102	77.8-123				
tert-Butylbenzene	10.4		"	10.0		104	75.9-151				
Tetrachloroethylene	9.67		"	10.0		96.7	63.6-167				
Toluene	10.4		"	10.0		104	77-123				
trans-1,2-Dichloroethylene	9.45		"	10.0		94.5	76.3-139				
trans-1,3-Dichloropropylene	12.1		"	10.0		121	72.5-137				
Trichloroethylene	9.36		"	10.0		93.6	77.9-130				
Trichlorofluoromethane	10.0		"	10.0		100	57.4-133				
Vinyl Chloride	8.66		"	10.0		86.6	54.9-124				
Surrogate: 1,2-Dichloroethane-d4	*10.0*		*"*	*10.0*		*100*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*10.3*		*"*	*10.0*		*103*	*63.5-145*				
Surrogate: Toluene-d8	*9.95*		*"*	*10.0*		*99.5*	*81.2-127*				

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

Batch BG31324 - EPA 5030B

LCS Dup (BG31324-BSD1) Prepared & Analyzed: 07/29/2013

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1,1,2-Tetrachloroethane	10.8		ug/L	10.0		108	82.3-130		0.647	21.1	
1,1,1-Trichloroethane	11.0		"	10.0		110	75.6-137		2.20	19.7	
1,1,2,2-Tetrachloroethane	9.97		"	10.0		99.7	71.3-131		1.79	20.8	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.82		"	10.0		98.2	71.1-129		2.02	21.7	
1,1,2-Trichloroethane	10.7		"	10.0		107	74.5-129		1.51	20.3	
1,1-Dichloroethane	9.83		"	10.0		98.3	79.6-132		1.01	20.6	
1,1-Dichloroethylene	9.29		"	10.0		92.9	80.2-146		0.216	20	
1,1-Dichloropropylene	9.43		"	10.0		94.3	75-136		0.740	19.3	
1,2,3-Trichlorobenzene	9.95		"	10.0		99.5	66.1-136		3.79	21.6	
1,2,3-Trichloropropane	10.3		"	10.0		103	63-131		2.07	23.9	
1,2,4-Trichlorobenzene	9.85		"	10.0		98.5	70.6-136		1.95	21.7	
1,2,4-Trimethylbenzene	9.65		"	10.0		96.5	75.3-135		3.76	18.8	
1,2-Dibromo-3-chloropropane	9.96		"	10.0		99.6	58.9-140		5.09	27.7	
1,2-Dibromoethane	11.5		"	10.0		115	79-130		0.523	23	
1,2-Dichlorobenzene	9.43		"	10.0		94.3	76.1-122		1.99	19.8	
1,2-Dichloroethane	10.2		"	10.0		102	74.6-132		3.19	20.2	
1,2-Dichloropropane	10.8		"	10.0		108	76.9-129		16.3	20.7	
1,3,5-Trimethylbenzene	9.62		"	10.0		96.2	70.6-127		3.57	18.9	
1,3-Dichlorobenzene	9.75		"	10.0		97.5	77-124		1.22	19.2	
1,3-Dichloropropane	10.5		"	10.0		105	75.8-126		0.285	22.1	
1,4-Dichlorobenzene	9.73		"	10.0		97.3	76.6-125		1.63	18.6	
2,2-Dichloropropane	10.7		"	10.0		107	69-133		2.30	19.8	
2-Chlorotoluene	9.24		"	10.0		92.4	66.3-119		3.82	21.6	
2-Hexanone	10.9		"	10.0		109	70-130		2.59	30	
4-Chlorotoluene	9.51		"	10.0		95.1	69.2-127		4.02	19	
Acetone	9.42		"	10.0		94.2	70-130		4.12	30	
Benzene	9.70		"	10.0		97.0	76.2-129		0.620	19	
Bromobenzene	9.62		"	10.0		96.2	71.3-123		2.67	20.3	
Bromochloromethane	9.94		"	10.0		99.4	70.8-137		1.42	23.9	
Bromodichloromethane	11.3		"	10.0		113	79.7-134		10.6	21	
Bromoform	11.9		"	10.0		119	70.5-141		1.35	21.8	
Bromomethane	8.12		"	10.0		81.2	43.9-147		2.75	28.4	
Carbon tetrachloride	12.2		"	10.0		122	78.1-138		1.74	20.1	
Chlorobenzene	9.59		"	10.0		95.9	80.4-125		1.45	19.9	
Chloroethane	8.42		"	10.0		84.2	55.8-140		6.66	23.3	
Chloroform	10.2		"	10.0		102	76.6-133		0.985	20.3	
Chloromethane	7.66		"	10.0		76.6	48.8-115		2.58	24.5	
cis-1,2-Dichloroethylene	9.57		"	10.0		95.7	75.1-128		1.25	20.5	
cis-1,3-Dichloropropylene	12.4		"	10.0		124	74.5-128		16.2	19.9	
Dibromochloromethane	13.5		"	10.0		135	79.8-134	High Bias	7.40	21.3	
Dibromomethane	11.2		"	10.0		112	79-130		13.8	22.4	
Dichlorodifluoromethane	7.97		"	10.0		79.7	47.1-101		1.77	23.9	
Ethyl Benzene	9.94		"	10.0		99.4	80.8-128		2.78	19.2	
Hexachlorobutadiene	9.94		"	10.0		99.4	64.8-128		1.70	20.6	
Isopropylbenzene	9.58		"	10.0		95.8	75.5-135		4.39	20	
Methyl tert-butyl ether (MTBE)	11.0		"	10.0		110	65.1-140		11.9	23.6	
Methylene chloride	9.37		"	10.0		93.7	61.3-120		0.750	20.4	
Naphthalene	10.5		"	10.0		105	62.3-148		6.08	27.1	
n-Butylbenzene	9.27		"	10.0		92.7	67.2-123		3.29	19.1	
n-Propylbenzene	9.41		"	10.0		94.1	70.5-127		4.47	23.4	
o-Xylene	9.47		"	10.0		94.7	75.9-122		1.15	19.3	

Volatile Organic Compounds by EPA SW846-8260B - 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 BG31324 - EPA 5030B											
LCS Dup (BG31324-BSD1)							Prepared & Analyzed: 07/29/2013				
p- & m- Xylenes	19.4		ug/L	20.0		97.0	77.7-127		2.34	18.6	
p-Isopropyltoluene	9.85		"	10.0		98.5	75.6-129		3.59	19.1	
sec-Butylbenzene	9.86		"	10.0		98.6	71.5-125		3.78	18.9	
Styrene	10.1		"	10.0		101	77.8-123		1.58	20.9	
tert-Butylbenzene	9.90		"	10.0		99.0	75.9-151		5.12	20.9	
Tetrachloroethylene	9.32		"	10.0		93.2	63.6-167		3.69	27.7	
Toluene	10.5		"	10.0		105	77-123		0.954	18.7	
trans-1,2-Dichloroethylene	9.33		"	10.0		93.3	76.3-139		1.28	19.5	
trans-1,3-Dichloropropylene	12.5		"	10.0		125	72.5-137		3.42	19.3	
Trichloroethylene	8.82		"	10.0		88.2	77.9-130		5.94	20.5	
Trichlorofluoromethane	10.2		"	10.0		102	57.4-133		1.58	21.4	
Vinyl Chloride	8.45		"	10.0		84.5	54.9-124		2.45	22.3	
Surrogate: 1,2-Dichloroethane-d4	*10.4*		*"*	*10.0*		*104*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*10.0*		*"*	*10.0*		*100*	*63.5-145*				
Surrogate: Toluene-d8	*11.0*		*"*	*10.0*		*110*	*81.2-127*				

Metals by EPA 6000 Series Methods - 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 BG31486 - EPA 3010A											
Blank (BG31486-BLK1)								Prepared & Analyzed: 07/31/2013			
Iron - Dissolved	ND	0.0200	mg/L								
Duplicate (BG31486-DUP1)	*Source sample: 13G0916-01 (WQ072513:1120NP2-10)							Prepared & Analyzed: 07/31/2013			
Iron - Dissolved	ND	0.0200	mg/L		ND					20	
Matrix Spike (BG31486-MS1)	*Source sample: 13G0916-01 (WQ072513:1120NP2-10)							Prepared & Analyzed: 07/31/2013			
Iron - Dissolved	1.07	0.0200	mg/L	1.00	ND	107	75-125				
Reference (BG31486-SRM1)								Prepared & Analyzed: 07/31/2013			
Iron - Dissolved	1.36	0.0200	mg/L	1.39		98.1	88.4-113				

Metals by EPA 200 Series Methods - 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 BG31487 - EPA 3010A											
Blank (BG31487-BLK1)									Prepared & Analyzed: 07/31/2013		
Iron	ND	0.0200	mg/L								
Reference (BG31487-SRM1)									Prepared & Analyzed: 07/31/2013		
Iron	1.35	0.0200	mg/L	1.39		97.2	88.4-113				

Miscellaneous Physical/Conventional Chemistry 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 BH30022 - % Solids Prep											
Blank (BH30022-BLK1)											Prepared: 08/01/2013 Analyzed: 08/02/2013
Total Dissolved Solids	ND	10.0	mg/L								

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
13G0916-01	WQ072513:1120NP2-10	250mL Plastic Cool to 4° C
13G0919-01	WQ072513:1100NP2-6	250mL Plastic Cool to 4° C
13G0919-02	WQ072513:1110NP2-7	250mL Plastic Cool to 4° C

Notes and Definitions

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.

ND Analyte NOT DETECTED at the stated Reporting Limit (RL) or above.

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

MDL METHOD DETECTION LIMIT - the minimum concentration that can be measured and reported with a 99% confidence that the concentration is greater than zero. If requested or required, a value reported below the RL and above the MDL is considered estimated and is noted with a "J" flag.

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 MDL, with values between the MDL and the RL being "J" flagged as estimated results.

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 unless superseded by written contract.

York Project No. 1360916

YOUR Information

Company: LBG Inc.
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 ✓ 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
- 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 Dioxin/Furans	BTU/lb.
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part 360-Expanded Full List	Aquatic Tox.
Halog.only	NJDEP list	App. IX	Chlordane	Indiv. Metals	Air TICs	NYCDEP Sewer	TOC
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer	Asbestos
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM	Silica

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
WQ072513:1100 NP2-6	7/25/13	GW	Fe by EPA 200.7/Fe, Dissolved by EPA 6010 (SW846-6010B)/VOCs, 8260 List (EPA SW 845-8260B) plus Freon 113	240ml VOA, 1 25ml plas 1 HNO3 250ml plast
WQ072513:1110 NP2-7	7/25/13	GW	↓	"
WQ072513:1120 NP2-10	7/25/13	GW	Fe by EPA 200.7/Fe, Dissolved by EPA 6010 (SW 846-6010B)/VOCs 8260 List (EPA SW 845-8260B) plus Freon 113/TDS (SM 2540C)	240ml VOA, 1 250ml plas HNO3, 2x250ml plast

Comments

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

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Samples Relinquished By — Date/Time: 7/26/13 1234
Samples Relinquished By — Date/Time:
Samples Received By — Date/Time:
Samples Received in LAB by — Date/Time: 7-26-13 1335

Temperature on Receipt 3.0 °C

YORK
ANALYTICAL LABORATORIES, INC.

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

Field Chain-of-Custody Record

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York Project No. 136-0919

YOUR Information
Company: LBG Inc.
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 ✓ 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
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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
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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 Dioxins/Furans	BTU/lb.
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part 360-Expanded Full List	Aquatic Tox.
Halog.only	NJDEP list	App. IX	Chlordane	Indiv. Metals	Air TICs	NYCDEP Sewer	TOC
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer	Asbestos
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM	Silica

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
WQ072513:1100 NP2-6	7/25/13	GW	Fe by EPA 200.7/Fe, Dissolved by EPA 6010 (SW846-6010B)/VOCs, 8260 List (EPA SW 845-8260B) plus Freon 113	240ml VOA, 125ml plastic 1 HNO3 250ml plastic
WQ072513:1110 NP2-7	7/25/13	GW	↓	"
WQ072513:1120 NP2-10	7/25/13	GW	Fe by EPA 200.7/Fe, Dissolved by EPA 6010 (SW 846-6010B)/VOCs 8260 List (EPA SW 845-8260B) plus Freon 113/TDS (SM 2540C)	240ml VOA, 1 250ml plastic HNO3, 2x250ml plastic

Comments

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

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Samples Relinquished By — Date/Time: 7/26/13 1234
Samples Relinquished By — Date/Time:
Samples Received By — Date/Time:
Samples Received in LAB by — Date/Time: 7-26-13 1235

Temperature on Receipt 3.0 °C

Technical Report

prepared for:

Leggette Brashears & Graham Shelton Office
4 Research Drive, Suite 301
Shelton CT, 06484
Attention: Tunde Komuves-Sandor

Report Date: 08/05/2013
Client Project ID: Rowe Industries
York Project (SDG) No.: 13G1042

Report Date: 08/05/2013
Client Project ID: Rowe Industries
York Project (SDG) No.: 13G1042

Leggette Brashears & Graham Shelton Office
4 Research Drive, Suite 301
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 July 30, 2013 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 Notes 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 attachment to 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
13G1042-01	WQ072913:1230NP2-6	Water	07/29/2013	07/30/2013
13G1042-02	WQ072913:1235NP2-7	Water	07/29/2013	07/30/2013
13G1043-01	WQ072913:1240NP2-10	Water	07/29/2013	07/30/2013

General Notes for York Project (SDG) No.: 13G1042

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 samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By: 

Date: 08/05/2013

Benjamin Gulizia
Laboratory Director

YORK

Sample Information

Client Sample ID: WQ072913:1230NP2-6 **York Sample ID:** 13G1042-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13G1042	Rowe Industries	Water	July 29, 2013 12:30 pm	07/30/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	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 SW846-8260B	08/01/2013 11:20	08/01/2013 15:33	SS
71-55-6	1,1,1-Trichloroethane	**0.42**	J	ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 15:33	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 15:33	SS
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 15:33	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 15:33	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 15:33	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 15:33	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 15:33	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 15:33	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 15:33	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 15:33	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 15:33	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 15:33	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 15:33	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 15:33	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 15:33	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 15:33	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 15:33	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 15:33	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 15:33	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 15:33	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 15:33	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 15:33	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 15:33	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 15:33	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 15:33	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 15:33	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 15:33	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 15:33	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 15:33	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 15:33	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 15:33	SS

Sample Information

Client Sample ID: WQ072913:1230NP2-6 **York Sample ID:** 13G1042-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13G1042	Rowe Industries	Water	July 29, 2013 12:30 pm	07/30/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 15:33	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 15:33	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 15:33	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 15:33	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 15:33	SS
156-59-2	cis-1,2-Dichloroethylene	**0.33**	J	ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 15:33	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 15:33	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 15:33	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 15:33	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 15:33	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 15:33	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 15:33	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 15:33	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 15:33	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 15:33	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 15:33	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 15:33	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 15:33	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 15:33	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 15:33	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 15:33	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 15:33	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 15:33	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 15:33	SS
127-18-4	Tetrachloroethylene	**1.9**		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 15:33	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 15:33	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 15:33	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 15:33	SS
79-01-6	Trichloroethylene	**0.27**	J	ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 15:33	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 15:33	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 15:33	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 15:33	SS

Sample Information

Client Sample ID: WQ072913:1230NP2-6 **York Sample ID:** 13G1042-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13G1042	Rowe Industries	Water	July 29, 2013 12:30 pm	07/30/2013

Volatile Organics, 8260 List - Low Level

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate Recoveries	**Result**		**Acceptance Range**							
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*102 %*		*72.6-129*							
460-00-4	*Surrogate: p-Bromofluorobenzene*	*93.8 %*		*63.5-145*							
2037-26-5	*Surrogate: Toluene-d8*	*96.2 %*		*81.2-127*							

Iron, Dissolved by EPA 6010

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	**0.0571**		mg/L	0.0200	0.0200	1	EPA SW846-6010B	07/31/2013 15:02	07/31/2013 18:44	MW

Iron by EPA 200.7

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	**1.73**		mg/L	0.0146	0.0200	1	EPA 200.7	07/31/2013 15:07	07/31/2013 20:20	MW

Sample Information

Client Sample ID: WQ072913:1235NP2-7 **York Sample ID:** 13G1042-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13G1042	Rowe Industries	Water	July 29, 2013 12:35 pm	07/30/2013

Volatile Organics, 8260 List - Low Level

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	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 SW846-8260B	08/01/2013 11:20	08/01/2013 16:10	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:10	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:10	SS
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:10	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:10	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:10	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:10	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:10	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:10	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:10	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:10	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:10	SS

Sample Information

Client Sample ID: WQ072913:1235NP2-7 **York Sample ID:** 13G1042-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13G1042	Rowe Industries	Water	July 29, 2013 12:35 pm	07/30/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:10	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:10	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:10	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:10	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:10	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:10	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:10	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:10	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:10	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:10	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:10	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:10	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:10	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:10	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:10	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:10	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:10	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:10	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:10	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:10	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:10	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:10	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:10	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:10	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:10	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:10	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:10	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:10	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:10	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:10	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:10	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:10	SS

Sample Information

Client Sample ID: WQ072913:1235NP2-7 **York Sample ID:** 13G1042-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13G1042	Rowe Industries	Water	July 29, 2013 12:35 pm	07/30/2013

Volatile Organics, 8260 List - Low Level

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:10	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:10	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:10	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:10	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:10	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:10	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:10	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:10	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:10	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:10	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:10	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:10	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:10	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:10	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:10	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:10	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:10	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:10	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:10	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:10	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*104 %*	*72.6-129*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*91.5 %*	*63.5-145*
2037-26-5	*Surrogate: Toluene-d8*	*98.7 %*	*81.2-127*

Iron, Dissolved by EPA 6010

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	**0.0922**		mg/L	0.0200	0.0200	1	EPA SW846-6010B	07/31/2013 15:02	07/31/2013 18:48	MW

Sample Information

Client Sample ID: WQ072913:1235NP2-7 **York Sample ID:** 13G1042-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13G1042	Rowe Industries	Water	July 29, 2013 12:35 pm	07/30/2013

Iron by EPA 200.7 **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	**0.428**		mg/L	0.0146	0.0200	1	EPA 200.7	07/31/2013 15:07	07/31/2013 20:37	MW

Sample Information

Client Sample ID: WQ072913:1240NP2-10 **York Sample ID:** 13G1043-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13G1043	Rowe Industries	Water	July 29, 2013 12:40 pm	07/30/2013

Volatile Organics, 8260 List - Low Level **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	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 SW846-8260B	08/01/2013 13:10	08/02/2013 08:11	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 13:10	08/02/2013 08:11	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 13:10	08/02/2013 08:11	SS
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 13:10	08/02/2013 08:11	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 13:10	08/02/2013 08:11	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 13:10	08/02/2013 08:11	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 13:10	08/02/2013 08:11	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 13:10	08/02/2013 08:11	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	08/01/2013 13:10	08/02/2013 08:11	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 13:10	08/02/2013 08:11	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	08/01/2013 13:10	08/02/2013 08:11	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 13:10	08/02/2013 08:11	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	08/01/2013 13:10	08/02/2013 08:11	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 13:10	08/02/2013 08:11	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 13:10	08/02/2013 08:11	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 13:10	08/02/2013 08:11	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 13:10	08/02/2013 08:11	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 13:10	08/02/2013 08:11	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 13:10	08/02/2013 08:11	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 13:10	08/02/2013 08:11	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 13:10	08/02/2013 08:11	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 13:10	08/02/2013 08:11	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 13:10	08/02/2013 08:11	SS

Sample Information

Client Sample ID: WQ072913:1240NP2-10 **York Sample ID:** 13G1043-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13G1043	Rowe Industries	Water	July 29, 2013 12:40 pm	07/30/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 13:10	08/02/2013 08:11	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 13:10	08/02/2013 08:11	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	08/01/2013 13:10	08/02/2013 08:11	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 13:10	08/02/2013 08:11	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 13:10	08/02/2013 08:11	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 13:10	08/02/2013 08:11	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 13:10	08/02/2013 08:11	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 13:10	08/02/2013 08:11	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 13:10	08/02/2013 08:11	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 13:10	08/02/2013 08:11	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 13:10	08/02/2013 08:11	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 13:10	08/02/2013 08:11	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 13:10	08/02/2013 08:11	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 13:10	08/02/2013 08:11	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 13:10	08/02/2013 08:11	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 13:10	08/02/2013 08:11	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 13:10	08/02/2013 08:11	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 13:10	08/02/2013 08:11	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 13:10	08/02/2013 08:11	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 13:10	08/02/2013 08:11	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 13:10	08/02/2013 08:11	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 13:10	08/02/2013 08:11	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 13:10	08/02/2013 08:11	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	08/01/2013 13:10	08/02/2013 08:11	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	08/01/2013 13:10	08/02/2013 08:11	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 13:10	08/02/2013 08:11	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 13:10	08/02/2013 08:11	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 13:10	08/02/2013 08:11	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA SW846-8260B	08/01/2013 13:10	08/02/2013 08:11	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 13:10	08/02/2013 08:11	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 13:10	08/02/2013 08:11	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 13:10	08/02/2013 08:11	SS

Sample Information

Client Sample ID: WQ072913:1240NP2-10 **York Sample ID:** 13G1043-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13G1043	Rowe Industries	Water	July 29, 2013 12:40 pm	07/30/2013

Volatile Organics, 8260 List - Low Level

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

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 13:10	08/02/2013 08:11	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 13:10	08/02/2013 08:11	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 13:10	08/02/2013 08:11	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 13:10	08/02/2013 08:11	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 13:10	08/02/2013 08:11	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 13:10	08/02/2013 08:11	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 13:10	08/02/2013 08:11	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA SW846-8260B	08/01/2013 13:10	08/02/2013 08:11	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA SW846-8260B	08/01/2013 13:10	08/02/2013 08:11	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*107 %*	*72.6-129*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*88.7 %*	*63.5-145*
2037-26-5	*Surrogate: Toluene-d8*	*100 %*	*81.2-127*

Iron, Dissolved by EPA 6010

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	**0.130**		mg/L	0.0200	0.0200	1	EPA SW846-6010B	07/31/2013 15:02	07/31/2013 18:53	MW

Iron by EPA 200.7

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

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	**0.736**		mg/L	0.0146	0.0200	1	EPA 200.7	07/31/2013 15:07	07/31/2013 20:42	MW

Total Dissolved Solids

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

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	**93.0**		mg/L	10.0	10.0	1	SM 2540C	08/01/2013 09:22	08/02/2013 15:28	BGS

Analytical Batch Summary

Batch ID: BG31486 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
13G1042-01	WQ072913:1230NP2-6	07/31/13
13G1042-02	WQ072913:1235NP2-7	07/31/13
13G1043-01	WQ072913:1240NP2-10	07/31/13
BG31486-BLK1	Blank	07/31/13
BG31486-SRM1	Reference	07/31/13

Batch ID: BG31487 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
13G1042-01	WQ072913:1230NP2-6	07/31/13
13G1042-02	WQ072913:1235NP2-7	07/31/13
13G1043-01	WQ072913:1240NP2-10	07/31/13
BG31487-BLK1	Blank	07/31/13
BG31487-DUP1	Duplicate	07/31/13
BG31487-MS1	Matrix Spike	07/31/13
BG31487-SRM1	Reference	07/31/13

Batch ID: BH30022 **Preparation Method:** % Solids Prep **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
13G1043-01	WQ072913:1240NP2-10	08/01/13
BH30022-BLK1	Blank	08/01/13

Batch ID: BH30023 **Preparation Method:** EPA 5030B **Prepared By:** EKM

YORK Sample ID	Client Sample ID	Preparation Date
13G1042-01	WQ072913:1230NP2-6	08/01/13
13G1042-02	WQ072913:1235NP2-7	08/01/13
BH30023-BLK1	Blank	08/01/13
BH30023-BS1	LCS	08/01/13
BH30023-BSD1	LCS Dup	08/01/13

Batch ID: BH30065 **Preparation Method:** EPA 5030B **Prepared By:** EKM

YORK Sample ID	Client Sample ID	Preparation Date
13G1043-01	WQ072913:1240NP2-10	08/01/13
BH30065-BLK1	Blank	08/01/13
BH30065-BS1	LCS	08/01/13
BH30065-BSD1	LCS Dup	08/01/13

Volatile Organic Compounds by EPA SW846-8260B - 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 BH30023 - EPA 5030B											
Blank (BH30023-BLK1)											Prepared & Analyzed: 08/01/2013
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	2.0	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	2.0	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	2.0	"								
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	"								
o-Xylene	ND	0.50	"								

Volatile Organic Compounds by EPA SW846-8260B - 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 BH30023 - EPA 5030B											
Blank (BH30023-BLK1)								Prepared & Analyzed: 08/01/2013			
p- & m- Xylenes	ND	1.0	ug/L								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: 1,2-Dichloroethane-d4	*10.7*		*"*	*10.0*		*107*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*9.29*		*"*	*10.0*		*92.9*	*63.5-145*				
Surrogate: Toluene-d8	*9.27*		*"*	*10.0*		*92.7*	*81.2-127*				
LCS (BH30023-BS1)								Prepared & Analyzed: 08/01/2013			
1,1,1,2-Tetrachloroethane	10.6		ug/L	10.0		106	82.3-130				
1,1,1-Trichloroethane	10.4		"	10.0		104	75.6-137				
1,1,2,2-Tetrachloroethane	10.4		"	10.0		104	71.3-131				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.1		"	10.0		101	71.1-129				
1,1,2-Trichloroethane	10.8		"	10.0		108	74.5-129				
1,1-Dichloroethane	9.99		"	10.0		99.9	79.6-132				
1,1-Dichloroethylene	9.75		"	10.0		97.5	80.2-146				
1,1-Dichloropropylene	9.19		"	10.0		91.9	75-136				
1,2,3-Trichlorobenzene	9.32		"	10.0		93.2	66.1-136				
1,2,3-Trichloropropane	10.5		"	10.0		105	63-131				
1,2,4-Trichlorobenzene	9.72		"	10.0		97.2	70.6-136				
1,2,4-Trimethylbenzene	9.72		"	10.0		97.2	75.3-135				
1,2-Dibromo-3-chloropropane	10.8		"	10.0		108	58.9-140				
1,2-Dibromoethane	11.7		"	10.0		117	79-130				
1,2-Dichlorobenzene	9.66		"	10.0		96.6	76.1-122				
1,2-Dichloroethane	10.1		"	10.0		101	74.6-132				
1,2-Dichloropropane	9.70		"	10.0		97.0	76.9-129				
1,3,5-Trimethylbenzene	9.76		"	10.0		97.6	70.6-127				
1,3-Dichlorobenzene	9.81		"	10.0		98.1	77-124				
1,3-Dichloropropane	10.6		"	10.0		106	75.8-126				
1,4-Dichlorobenzene	9.80		"	10.0		98.0	76.6-125				
2,2-Dichloropropane	11.8		"	10.0		118	69-133				
2-Chlorotoluene	9.43		"	10.0		94.3	66.3-119				
2-Hexanone	11.1		"	10.0		111	70-130				
4-Chlorotoluene	9.81		"	10.0		98.1	69.2-127				
Acetone	9.98		"	10.0		99.8	70-130				
Benzene	9.77		"	10.0		97.7	76.2-129				
Bromobenzene	9.68		"	10.0		96.8	71.3-123				
Bromochloromethane	10.5		"	10.0		105	70.8-137				
Bromodichloromethane	10.6		"	10.0		106	79.7-134				
Bromoform	11.7		"	10.0		117	70.5-141				
Bromomethane	8.37		"	10.0		83.7	43.9-147				
Carbon tetrachloride	11.3		"	10.0		113	78.1-138				
Chlorobenzene	9.73		"	10.0		97.3	80.4-125				

Volatile Organic Compounds by EPA SW846-8260B - 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 BH30023 - EPA 5030B											
LCS (BH30023-BS1)								Prepared & Analyzed: 08/01/2013			
Chloroethane	9.83		ug/L	10.0		98.3	55.8-140				
Chloroform	10.2		"	10.0		102	76.6-133				
Chloromethane	8.24		"	10.0		82.4	48.8-115				
cis-1,2-Dichloroethylene	9.83		"	10.0		98.3	75.1-128				
cis-1,3-Dichloropropylene	11.4		"	10.0		114	74.5-128				
Dibromochloromethane	12.8		"	10.0		128	79.8-134				
Dibromomethane	10.2		"	10.0		102	79-130				
Dichlorodifluoromethane	9.80		"	10.0		98.0	47.1-101				
Ethyl Benzene	9.90		"	10.0		99.0	80.8-128				
Hexachlorobutadiene	9.47		"	10.0		94.7	64.8-128				
Isopropylbenzene	9.70		"	10.0		97.0	75.5-135				
Methyl tert-butyl ether (MTBE)	11.6		"	10.0		116	65.1-140				
Methylene chloride	9.85		"	10.0		98.5	61.3-120				
Naphthalene	9.78		"	10.0		97.8	62.3-148				
n-Butylbenzene	9.22		"	10.0		92.2	67.2-123				
n-Propylbenzene	9.75		"	10.0		97.5	70.5-127				
o-Xylene	9.63		"	10.0		96.3	75.9-122				
p- & m- Xylenes	19.5		"	20.0		97.6	77.7-127				
p-Isopropyltoluene	9.83		"	10.0		98.3	75.6-129				
sec-Butylbenzene	9.81		"	10.0		98.1	71.5-125				
Styrene	10.5		"	10.0		105	77.8-123				
tert-Butylbenzene	9.87		"	10.0		98.7	75.9-151				
Tetrachloroethylene	9.14		"	10.0		91.4	63.6-167				
Toluene	9.08		"	10.0		90.8	77-123				
trans-1,2-Dichloroethylene	9.74		"	10.0		97.4	76.3-139				
trans-1,3-Dichloropropylene	11.6		"	10.0		116	72.5-137				
Trichloroethylene	9.19		"	10.0		91.9	77.9-130				
Trichlorofluoromethane	10.0		"	10.0		100	57.4-133				
Vinyl Chloride	9.18		"	10.0		91.8	54.9-124				
Surrogate: 1,2-Dichloroethane-d4	*10.0*		*"*	*10.0*		*100*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*10.2*		*"*	*10.0*		*102*	*63.5-145*				
Surrogate: Toluene-d8	*9.42*		*"*	*10.0*		*94.2*	*81.2-127*				

Volatile Organic Compounds by EPA SW846-8260B - 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 BH30023 - EPA 5030B											
LCS Dup (BH30023-BSD1)							Prepared & Analyzed: 08/01/2013				
1,1,1,2-Tetrachloroethane	11.0		ug/L	10.0		110	82.3-130		3.42	21.1	
1,1,1-Trichloroethane	10.6		"	10.0		106	75.6-137		1.62	19.7	
1,1,2,2-Tetrachloroethane	10.2		"	10.0		102	71.3-131		1.36	20.8	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.7		"	10.0		107	71.1-129		5.48	21.7	
1,1,2-Trichloroethane	9.86		"	10.0		98.6	74.5-129		8.82	20.3	
1,1-Dichloroethane	10.5		"	10.0		105	79.6-132		4.79	20.6	
1,1-Dichloroethylene	10.0		"	10.0		100	80.2-146		3.03	20	
1,1-Dichloropropylene	9.62		"	10.0		96.2	75-136		4.57	19.3	
1,2,3-Trichlorobenzene	9.43		"	10.0		94.3	66.1-136		1.17	21.6	
1,2,3-Trichloropropane	10.4		"	10.0		104	63-131		1.72	23.9	
1,2,4-Trichlorobenzene	9.49		"	10.0		94.9	70.6-136		2.39	21.7	
1,2,4-Trimethylbenzene	9.65		"	10.0		96.5	75.3-135		0.723	18.8	
1,2-Dibromo-3-chloropropane	10.8		"	10.0		108	58.9-140		0.464	27.7	
1,2-Dibromoethane	11.8		"	10.0		118	79-130		1.45	23	
1,2-Dichlorobenzene	9.70		"	10.0		97.0	76.1-122		0.413	19.8	
1,2-Dichloroethane	10.4		"	10.0		104	74.6-132		3.61	20.2	
1,2-Dichloropropane	10.2		"	10.0		102	76.9-129		4.73	20.7	
1,3,5-Trimethylbenzene	9.71		"	10.0		97.1	70.6-127		0.514	18.9	
1,3-Dichlorobenzene	9.71		"	10.0		97.1	77-124		1.02	19.2	
1,3-Dichloropropane	10.9		"	10.0		109	75.8-126		2.70	22.1	
1,4-Dichlorobenzene	9.58		"	10.0		95.8	76.6-125		2.27	18.6	
2,2-Dichloropropane	10.9		"	10.0		109	69-133		7.48	19.8	
2-Chlorotoluene	9.35		"	10.0		93.5	66.3-119		0.852	21.6	
2-Hexanone	11.0		"	10.0		110	70-130		0.453	30	
4-Chlorotoluene	9.77		"	10.0		97.7	69.2-127		0.409	19	
Acetone	10.6		"	10.0		106	70-130		6.03	30	
Benzene	10.3		"	10.0		103	76.2-129		5.09	19	
Bromobenzene	9.91		"	10.0		99.1	71.3-123		2.35	20.3	
Bromochloromethane	10.8		"	10.0		108	70.8-137		3.19	23.9	
Bromodichloromethane	10.8		"	10.0		108	79.7-134		1.78	21	
Bromoform	11.3		"	10.0		113	70.5-141		3.57	21.8	
Bromomethane	9.09		"	10.0		90.9	43.9-147		8.25	28.4	
Carbon tetrachloride	11.6		"	10.0		116	78.1-138		2.80	20.1	
Chlorobenzene	9.97		"	10.0		99.7	80.4-125		2.44	19.9	
Chloroethane	10.3		"	10.0		103	55.8-140		4.67	23.3	
Chloroform	10.5		"	10.0		105	76.6-133		2.70	20.3	
Chloromethane	8.70		"	10.0		87.0	48.8-115		5.43	24.5	
cis-1,2-Dichloroethylene	10.3		"	10.0		103	75.1-128		4.77	20.5	
cis-1,3-Dichloropropylene	11.8		"	10.0		118	74.5-128		2.76	19.9	
Dibromochloromethane	12.6		"	10.0		126	79.8-134		0.866	21.3	
Dibromomethane	10.6		"	10.0		106	79-130		4.52	22.4	
Dichlorodifluoromethane	10.1		"	10.0		101	47.1-101		3.21	23.9	
Ethyl Benzene	10.2		"	10.0		102	80.8-128		2.59	19.2	
Hexachlorobutadiene	9.09		"	10.0		90.9	64.8-128		4.09	20.6	
Isopropylbenzene	9.72		"	10.0		97.2	75.5-135		0.206	20	
Methyl tert-butyl ether (MTBE)	12.1		"	10.0		121	65.1-140		3.80	23.6	
Methylene chloride	10.2		"	10.0		102	61.3-120		3.88	20.4	
Naphthalene	9.82		"	10.0		98.2	62.3-148		0.408	27.1	
n-Butylbenzene	9.31		"	10.0		93.1	67.2-123		0.971	19.1	
n-Propylbenzene	9.72		"	10.0		97.2	70.5-127		0.308	23.4	
o-Xylene	9.82		"	10.0		98.2	75.9-122		1.95	19.3	

Volatile Organic Compounds by EPA SW846-8260B - 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 BH30023 - EPA 5030B											
LCS Dup (BH30023-BSD1)								Prepared & Analyzed: 08/01/2013			
p- & m- Xylenes	19.9		ug/L	20.0		99.3	77.7-127		1.78	18.6	
p-Isopropyltoluene	9.64		"	10.0		96.4	75.6-129		1.95	19.1	
sec-Butylbenzene	9.78		"	10.0		97.8	71.5-125		0.306	18.9	
Styrene	10.7		"	10.0		107	77.8-123		2.17	20.9	
tert-Butylbenzene	9.85		"	10.0		98.5	75.9-151		0.203	20.9	
Tetrachloroethylene	9.09		"	10.0		90.9	63.6-167		0.549	27.7	
Toluene	9.38		"	10.0		93.8	77-123		3.25	18.7	
trans-1,2-Dichloroethylene	10.1		"	10.0		101	76.3-139		3.43	19.5	
trans-1,3-Dichloropropylene	11.6		"	10.0		116	72.5-137		0.259	19.3	
Trichloroethylene	9.53		"	10.0		95.3	77.9-130		3.63	20.5	
Trichlorofluoromethane	10.4		"	10.0		104	57.4-133		3.24	21.4	
Vinyl Chloride	9.75		"	10.0		97.5	54.9-124		6.02	22.3	
Surrogate: 1,2-Dichloroethane-d4	*10.1*		*"*	*10.0*		*101*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*9.82*		*"*	*10.0*		*98.2*	*63.5-145*				
Surrogate: Toluene-d8	*9.34*		*"*	*10.0*		*93.4*	*81.2-127*				
Batch BH30065 - EPA 5030B											
Blank (BH30065-BLK1)								Prepared & Analyzed: 08/01/2013			
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	2.0	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	2.0	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	2.0	"								
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	"								

Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

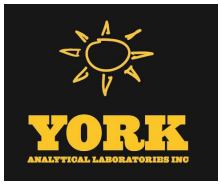
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH30065 - EPA 5030B											
Blank (BH30065-BLK1)											
Prepared & Analyzed: 08/01/2013											
Chlorobenzene	ND	0.50	ug/L								
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	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: 1,2-Dichloroethane-d4	*10.9*		*"*	*10.0*		*109*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*9.17*		*"*	*10.0*		*91.7*	*63.5-145*				
Surrogate: Toluene-d8	*10.6*		*"*	*10.0*		*106*	*81.2-127*				

Volatile Organic Compounds by EPA SW846-8260B - 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 BH30065 - EPA 5030B											
LCS (BH30065-BS1)								Prepared & Analyzed: 08/01/2013			
1,1,1,2-Tetrachloroethane	10.9		ug/L	10.0		109	82.3-130				
1,1,1-Trichloroethane	11.0		"	10.0		110	75.6-137				
1,1,2,2-Tetrachloroethane	10.6		"	10.0		106	71.3-131				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.0		"	10.0		110	71.1-129				
1,1,2-Trichloroethane	10.9		"	10.0		109	74.5-129				
1,1-Dichloroethane	10.9		"	10.0		109	79.6-132				
1,1-Dichloroethylene	10.8		"	10.0		108	80.2-146				
1,1-Dichloropropylene	10.1		"	10.0		101	75-136				
1,2,3-Trichlorobenzene	9.61		"	10.0		96.1	66.1-136				
1,2,3-Trichloropropane	9.98		"	10.0		99.8	63-131				
1,2,4-Trichlorobenzene	9.60		"	10.0		96.0	70.6-136				
1,2,4-Trimethylbenzene	9.62		"	10.0		96.2	75.3-135				
1,2-Dibromo-3-chloropropane	11.2		"	10.0		112	58.9-140				
1,2-Dibromoethane	11.1		"	10.0		111	79-130				
1,2-Dichlorobenzene	9.86		"	10.0		98.6	76.1-122				
1,2-Dichloroethane	11.0		"	10.0		110	74.6-132				
1,2-Dichloropropane	10.1		"	10.0		101	76.9-129				
1,3,5-Trimethylbenzene	9.54		"	10.0		95.4	70.6-127				
1,3-Dichlorobenzene	9.84		"	10.0		98.4	77-124				
1,3-Dichloropropane	11.1		"	10.0		111	75.8-126				
1,4-Dichlorobenzene	9.81		"	10.0		98.1	76.6-125				
2,2-Dichloropropane	9.09		"	10.0		90.9	69-133				
2-Chlorotoluene	9.30		"	10.0		93.0	66.3-119				
2-Hexanone	11.1		"	10.0		111	70-130				
4-Chlorotoluene	9.65		"	10.0		96.5	69.2-127				
Acetone	9.61		"	10.0		96.1	70-130				
Benzene	10.4		"	10.0		104	76.2-129				
Bromobenzene	9.57		"	10.0		95.7	71.3-123				
Bromochloromethane	11.0		"	10.0		110	70.8-137				
Bromodichloromethane	10.6		"	10.0		106	79.7-134				
Bromoform	11.5		"	10.0		115	70.5-141				
Bromomethane	8.56		"	10.0		85.6	43.9-147				
Carbon tetrachloride	11.4		"	10.0		114	78.1-138				
Chlorobenzene	10.1		"	10.0		101	80.4-125				
Chloroethane	10.1		"	10.0		101	55.8-140				
Chloroform	10.7		"	10.0		107	76.6-133				
Chloromethane	9.89		"	10.0		98.9	48.8-115				
cis-1,2-Dichloroethylene	10.4		"	10.0		104	75.1-128				
cis-1,3-Dichloropropylene	10.9		"	10.0		109	74.5-128				
Dibromochloromethane	12.5		"	10.0		125	79.8-134				
Dibromomethane	10.4		"	10.0		104	79-130				
Dichlorodifluoromethane	10.2		"	10.0		102	47.1-101	High Bias			
Ethyl Benzene	10.5		"	10.0		105	80.8-128				
Hexachlorobutadiene	9.32		"	10.0		93.2	64.8-128				
Isopropylbenzene	9.45		"	10.0		94.5	75.5-135				
Methyl tert-butyl ether (MTBE)	9.28		"	10.0		92.8	65.1-140				
Methylene chloride	10.8		"	10.0		108	61.3-120				
Naphthalene	10.1		"	10.0		101	62.3-148				
n-Butylbenzene	9.44		"	10.0		94.4	67.2-123				
n-Propylbenzene	9.56		"	10.0		95.6	70.5-127				
o-Xylene	10.2		"	10.0		102	75.9-122				



Volatile Organic Compounds by EPA SW846-8260B - 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 BH30065 - EPA 5030B											
LCS (BH30065-BS1)							Prepared & Analyzed: 08/01/2013				
p- & m- Xylenes	20.9		ug/L	20.0		104	77.7-127				
p-Isopropyltoluene	9.80		"	10.0		98.0	75.6-129				
sec-Butylbenzene	9.95		"	10.0		99.5	71.5-125				
Styrene	11.0		"	10.0		110	77.8-123				
tert-Butylbenzene	9.87		"	10.0		98.7	75.9-151				
Tetrachloroethylene	9.10		"	10.0		91.0	63.6-167				
Toluene	9.44		"	10.0		94.4	77-123				
trans-1,2-Dichloroethylene	10.5		"	10.0		105	76.3-139				
trans-1,3-Dichloropropylene	10.8		"	10.0		108	72.5-137				
Trichloroethylene	9.63		"	10.0		96.3	77.9-130				
Trichlorofluoromethane	11.0		"	10.0		110	57.4-133				
Vinyl Chloride	10.5		"	10.0		105	54.9-124				
Surrogate: 1,2-Dichloroethane-d4	*11.0*		*"*	*10.0*		*110*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*9.70*		*"*	*10.0*		*97.0*	*63.5-145*				
Surrogate: Toluene-d8	*9.26*		*"*	*10.0*		*92.6*	*81.2-127*				
LCS Dup (BH30065-BSD1)							Prepared & Analyzed: 08/01/2013				
1,1,1,2-Tetrachloroethane	10.6		ug/L	10.0		106	82.3-130		2.89	21.1	
1,1,1-Trichloroethane	10.7		"	10.0		107	75.6-137		2.40	19.7	
1,1,2,2-Tetrachloroethane	9.75		"	10.0		97.5	71.3-131		8.54	20.8	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.4		"	10.0		104	71.1-129		5.52	21.7	
1,1,2-Trichloroethane	10.9		"	10.0		109	74.5-129		0.00	20.3	
1,1-Dichloroethane	10.2		"	10.0		102	79.6-132		6.74	20.6	
1,1-Dichloroethylene	10.4		"	10.0		104	80.2-146		3.96	20	
1,1-Dichloropropylene	9.64		"	10.0		96.4	75-136		4.56	19.3	
1,2,3-Trichlorobenzene	9.20		"	10.0		92.0	66.1-136		4.36	21.6	
1,2,3-Trichloropropane	9.27		"	10.0		92.7	63-131		7.38	23.9	
1,2,4-Trichlorobenzene	9.20		"	10.0		92.0	70.6-136		4.26	21.7	
1,2,4-Trimethylbenzene	8.99		"	10.0		89.9	75.3-135		6.77	18.8	
1,2-Dibromo-3-chloropropane	10.4		"	10.0		104	58.9-140		7.67	27.7	
1,2-Dibromoethane	10.5		"	10.0		105	79-130		5.66	23	
1,2-Dichlorobenzene	9.34		"	10.0		93.4	76.1-122		5.42	19.8	
1,2-Dichloroethane	10.8		"	10.0		108	74.6-132		2.20	20.2	
1,2-Dichloropropane	9.55		"	10.0		95.5	76.9-129		5.80	20.7	
1,3,5-Trimethylbenzene	9.06		"	10.0		90.6	70.6-127		5.16	18.9	
1,3-Dichlorobenzene	9.24		"	10.0		92.4	77-124		6.29	19.2	
1,3-Dichloropropane	10.7		"	10.0		107	75.8-126		3.57	22.1	
1,4-Dichlorobenzene	9.32		"	10.0		93.2	76.6-125		5.12	18.6	
2,2-Dichloropropane	8.19		"	10.0		81.9	69-133		10.4	19.8	
2-Chlorotoluene	8.79		"	10.0		87.9	66.3-119		5.64	21.6	
2-Hexanone	10.8		"	10.0		108	70-130		3.02	30	
4-Chlorotoluene	9.14		"	10.0		91.4	69.2-127		5.43	19	
Acetone	9.87		"	10.0		98.7	70-130		2.67	30	
Benzene	9.95		"	10.0		99.5	76.2-129		4.42	19	
Bromobenzene	9.17		"	10.0		91.7	71.3-123		4.27	20.3	
Bromochloromethane	10.5		"	10.0		105	70.8-137		4.10	23.9	
Bromodichloromethane	10.7		"	10.0		107	79.7-134		0.935	21	
Bromoform	10.6		"	10.0		106	70.5-141		7.98	21.8	
Bromomethane	8.40		"	10.0		84.0	43.9-147		1.89	28.4	
Carbon tetrachloride	11.0		"	10.0		110	78.1-138		4.29	20.1	
Chlorobenzene	9.75		"	10.0		97.5	80.4-125		3.13	19.9	
Chloroethane	9.50		"	10.0		95.0	55.8-140		6.22	23.3	

Volatile Organic Compounds by EPA SW846-8260B - 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 BH30065 - EPA 5030B											
LCS Dup (BH30065-BSD1)								Prepared & Analyzed: 08/01/2013			
Chloroform	10.6		ug/L	10.0		106	76.6-133		0.943	20.3	
Chloromethane	9.41		"	10.0		94.1	48.8-115		4.97	24.5	
cis-1,2-Dichloroethylene	9.92		"	10.0		99.2	75.1-128		5.11	20.5	
cis-1,3-Dichloropropylene	11.9		"	10.0		119	74.5-128		9.29	19.9	
Dibromochloromethane	12.7		"	10.0		127	79.8-134		1.75	21.3	
Dibromomethane	9.69		"	10.0		96.9	79-130		6.68	22.4	
Dichlorodifluoromethane	10.1		"	10.0		101	47.1-101		1.18	23.9	
Ethyl Benzene	10.0		"	10.0		100	80.8-128		4.28	19.2	
Hexachlorobutadiene	8.92		"	10.0		89.2	64.8-128		4.39	20.6	
Isopropylbenzene	9.01		"	10.0		90.1	75.5-135		4.77	20	
Methyl tert-butyl ether (MTBE)	8.35		"	10.0		83.5	65.1-140		10.6	23.6	
Methylene chloride	10.2		"	10.0		102	61.3-120		5.73	20.4	
Naphthalene	9.57		"	10.0		95.7	62.3-148		5.09	27.1	
n-Butylbenzene	8.80		"	10.0		88.0	67.2-123		7.02	19.1	
n-Propylbenzene	8.95		"	10.0		89.5	70.5-127		6.59	23.4	
o-Xylene	9.64		"	10.0		96.4	75.9-122		5.25	19.3	
p- & m- Xylenes	19.8		"	20.0		99.0	77.7-127		5.26	18.6	
p-Isopropyltoluene	9.23		"	10.0		92.3	75.6-129		5.99	19.1	
sec-Butylbenzene	9.45		"	10.0		94.5	71.5-125		5.15	18.9	
Styrene	10.4		"	10.0		104	77.8-123		5.97	20.9	
tert-Butylbenzene	9.31		"	10.0		93.1	75.9-151		5.84	20.9	
Tetrachloroethylene	8.98		"	10.0		89.8	63.6-167		1.33	27.7	
Toluene	10.6		"	10.0		106	77-123		11.9	18.7	
trans-1,2-Dichloroethylene	10.0		"	10.0		100	76.3-139		4.38	19.5	
trans-1,3-Dichloropropylene	11.5		"	10.0		115	72.5-137		6.17	19.3	
Trichloroethylene	9.22		"	10.0		92.2	77.9-130		4.35	20.5	
Trichlorofluoromethane	10.7		"	10.0		107	57.4-133		2.21	21.4	
Vinyl Chloride	9.75		"	10.0		97.5	54.9-124		7.03	22.3	
Surrogate: 1,2-Dichloroethane-d4	*10.9*		*"*	*10.0*		*109*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*9.58*		*"*	*10.0*		*95.8*	*63.5-145*				
Surrogate: Toluene-d8	*10.8*		*"*	*10.0*		*108*	*81.2-127*				

Metals by EPA 6000 Series Methods - 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 BG31486 - EPA 3010A											
Blank (BG31486-BLK1)									Prepared & Analyzed: 07/31/2013		
Iron - Dissolved	ND	0.0200	mg/L								
Reference (BG31486-SRM1)									Prepared & Analyzed: 07/31/2013		
Iron - Dissolved	1.36	0.0200	mg/L	1.39		98.1	88.4-113				

Metals by EPA 200 Series Methods - 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 BG31487 - EPA 3010A											
Blank (BG31487-BLK1)								Prepared & Analyzed: 07/31/2013			
Iron	ND	0.0200	mg/L								
Duplicate (BG31487-DUP1)	*Source sample: 13G1043-01 (WQ072913:1240NP2-10)							Prepared & Analyzed: 07/31/2013			
Iron	0.733	0.0200	mg/L		0.736				0.371	20	
Matrix Spike (BG31487-MS1)	*Source sample: 13G1043-01 (WQ072913:1240NP2-10)							Prepared & Analyzed: 07/31/2013			
Iron	1.76	0.0200	mg/L	1.00	0.736	102	75-125				
Reference (BG31487-SRM1)								Prepared & Analyzed: 07/31/2013			
Iron	1.35	0.0200	mg/L	1.39		97.2	88.4-113				

Miscellaneous Physical/Conventional Chemistry 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 BH30022 - % Solids Prep											
Blank (BH30022-BLK1)											Prepared: 08/01/2013 Analyzed: 08/02/2013
Total Dissolved Solids	ND	10.0	mg/L								

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
13G1042-01	WQ072913:1230NP2-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13G1042-02	WQ072913:1235NP2-7	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13G1043-01	WQ072913:1240NP2-10	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Notes and Definitions

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.

ND Analyte NOT DETECTED at the stated Reporting Limit (RL) or above.

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

MDL METHOD DETECTION LIMIT - the minimum concentration that can be measured and reported with a 99% confidence that the concentration is greater than zero. If requested or required, a value reported below the RL and above the MDL is considered estimated and is noted with a "J" flag.

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 MDL, with values between the MDL and the RL being "J" flagged as estimated results.

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. 13G1042

YOUR Information	Report To:	Invoice To:	YOUR Project ID	Turn-Around Time	Report Type
Company: LBG	Company: Same	Company: Same	Rowe Industries.	RUSH - Same Day ☐	Summary Report X, pdf
Address: 4 Research Dr Suite 301 Shelton, CT 06484	Address: ↓	Address: ↓	Purchase Order No.	RUSH - Next Day ☐	Summary w/ QA Summary X, pdf
Phone No. 203-929-8555	Phone No.	Phone No.	HABSA6.	RUSH - Two Day ☐	CT RCP Package
Contact Person: Tunde Sandor	Attention:	Attention:		RUSH - Three Day ☐	CTRCP DQA/DUE Pkg
E-Mail Address: TSandor@LBGCT.com	E-Mail Address: ↓	E-Mail Address: ↓	Samples from: CT __ NY X NJ __	RUSH - Four Day ☐	NY ASP A Package
				Standard (5-7 Days) ☒	NY ASP B Package NP2-10 only, pdf.
					NJDEP Red. Deliv.

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

Samples Collected/Authorized By (Signature): [signature]

STEPHEN HNAT
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	BTU/lb.
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part360-Expanded	Aquatic Tox.
Halog. only	NJDEP list	App. IX	Chlordane	Indiv. Metals	Air TICs	NYCDEP Sewer	TOC
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer	Asbestos
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM	Silica

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

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
WQ072913:1230NP2-6	7/29/13 1230	GW	Fe by EPA 200.7 / Fe, Dissolved by EPA 6010 (SW846-6010B) / VOCs, 8260 List (EPA SW845-8260B) plus freon 113	3v 2e
WQ072913:1235NP2-7	↓ 1235	GW	↓	3v 2e
WQ072913:1240NP2-10	↓ 1240	GW	Fe by EPA 200.7 / Fe, Dissolved by EPA 6010 (SW846-6010B) / VOCs 8260 List (EPA SW845-8260B) plus freon 113 / TDS (SM 2540C)	3v 3e

Comments

Preservation Check those Applicable: 4°C X Frozen __ HCl X MeOH __ HNO3 X H2SO4 __ NaOH __ ZnAc __ Ascorbic Acid __ Other __

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Samples Relinquished By	Date/Time	Samples Received By	Date/Time	Temperature on Receipt
[signature]	7/30/13 2:35	[signature]	7/30/13 1435	4.3 °C
Samples Relinquished By	Date/Time	Samples Received in LAB by [signature]	7/30/13-1630	

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. 13G1043

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 NP2-100nly, 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)

STEPHEN HNAT
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 Hw Discrete Parms	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	Inslv.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)
WQ072913:1230NP2-6	7/29/13 1230	GW	Fe by EPA 200.7 / Fe, Dissolved by EPA 6010 (SW846-6010B) / VOCs, 8260 List (EPA SW846-8260B) plus freon 113	3v 2p
WQ072913:1235NP2-7	1235	GW	↓	3v 2p
WQ072913:1240NP2-10	1240	GW	Fe by EPA 200.7 / Fe, Dissolved by EPA 6010 (SW846-6010B) / VOCs 8260 List (EPA SW846-8260A) plus freon 113 / TOS (SM 2540c)	3v 3p

Comments

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

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

Samples Relinquished By: Date/Time: 7/30/13 2:35
Samples Relinquished By: Date/Time:

Samples Received By: Date/Time: 7/30/13 1435
Samples Received in LAB by: Date/Time: 7/30/13-1630

Temperature on Receipt: 4.3 °C

APPENDIX II
JULY 2013 LABORATORY ANALYTICAL REPORTS
FOR FSP&T AND FP&T RECOVERY WELLS

Technical Report

prepared for:

Leggette Brashears & Graham Shelton Office
4 Research Drive, Suite 301
Shelton CT, 06484
Attention: Tunde Komuves-Sandor

Report Date: 08/01/2013
Client Project ID: O&M Sag Harbor (Rowe Industries Site)
York Project (SDG) No.: 13G0913

Report Date: 08/01/2013
Client Project ID: O&M Sag Harbor (Rowe Industries Site)
York Project (SDG) No.: 13G0913

Leggette Brashears & Graham Shelton Office
4 Research Drive, Suite 301
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 July 25, 2013 and listed below. The project was identified as your project: **O&M Sag Harbor (Rowe Industries Site)**.

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 Notes 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 attachment to 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
13G0913-01	WQ072313:1130 FRW1	Water	07/23/2013	07/25/2013
13G0913-02	WQ072313:1135 FRW2	Water	07/23/2013	07/25/2013
13G0913-03	WQ072313:1140 FRW3	Water	07/23/2013	07/25/2013
13G0913-04	WQ072313:1145 FRW4	Water	07/23/2013	07/25/2013

General Notes for York Project (SDG) No.: 13G0913

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 samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By: 

Date: 08/01/2013

Benjamin Gulizia
Laboratory Director

YORK

Sample Information

Client Sample ID: WQ072313:1130 FRW1 **York Sample ID:** 13G0913-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13G0913	O&M Sag Harbor (Rowe Industries Site)	Water	July 23, 2013 11:30 am	07/25/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	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 SW846-8260B	07/29/2013 10:45	07/29/2013 22:45	SS
71-55-6	1,1,1-Trichloroethane	**0.52**		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 22:45	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 22:45	SS
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 22:45	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 22:45	SS
75-34-3	1,1-Dichloroethane	**0.22**	J	ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 22:45	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 22:45	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 22:45	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 22:45	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 22:45	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 22:45	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 22:45	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 22:45	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 22:45	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 22:45	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 22:45	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 22:45	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 22:45	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 22:45	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 22:45	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 22:45	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 22:45	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 22:45	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 22:45	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 22:45	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 22:45	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 22:45	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 22:45	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 22:45	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 22:45	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 22:45	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 22:45	SS

Sample Information

Client Sample ID: WQ072313:1130 FRW1 **York Sample ID:** 13G0913-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13G0913	O&M Sag Harbor (Rowe Industries Site)	Water	July 23, 2013 11:30 am	07/25/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 22:45	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 22:45	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 22:45	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 22:45	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 22:45	SS
156-59-2	cis-1,2-Dichloroethylene	**27**		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 22:45	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 22:45	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 22:45	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 22:45	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 22:45	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 22:45	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 22:45	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 22:45	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 22:45	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 22:45	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 22:45	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 22:45	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 22:45	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 22:45	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 22:45	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 22:45	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 22:45	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 22:45	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 22:45	SS
127-18-4	Tetrachloroethylene	**77**		ug/L	1.0	2.5	5	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 13:52	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 22:45	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 22:45	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 22:45	SS
79-01-6	Trichloroethylene	**6.2**		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 22:45	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 22:45	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 22:45	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 22:45	SS

Sample Information

Client Sample ID: WQ072313:1130 FRW1 **York Sample ID:** 13G0913-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13G0913	O&M Sag Harbor (Rowe Industries Site)	Water	July 23, 2013 11:30 am	07/25/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate Recoveries	**Result**		**Acceptance Range**							
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*106 %*		*72.6-129*							
460-00-4	*Surrogate: p-Bromofluorobenzene*	*95.1 %*		*63.5-145*							
2037-26-5	*Surrogate: Toluene-d8*	*110 %*		*81.2-127*							

Sample Information

Client Sample ID: WQ072313:1135 FRW2 **York Sample ID:** 13G0913-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13G0913	O&M Sag Harbor (Rowe Industries Site)	Water	July 23, 2013 11:35 am	07/25/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	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 SW846-8260B	07/29/2013 10:45	07/29/2013 23:24	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 23:24	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 23:24	SS
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 23:24	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 23:24	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 23:24	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 23:24	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 23:24	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 23:24	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 23:24	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 23:24	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 23:24	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 23:24	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 23:24	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 23:24	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 23:24	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 23:24	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 23:24	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 23:24	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 23:24	SS

Sample Information

Client Sample ID: WQ072313:1135 FRW2 **York Sample ID:** 13G0913-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13G0913	O&M Sag Harbor (Rowe Industries Site)	Water	July 23, 2013 11:35 am	07/25/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 23:24	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 23:24	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 23:24	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 23:24	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 23:24	SS
67-64-1	Acetone	**3.8**		ug/L	1.0	2.0	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 23:24	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 23:24	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 23:24	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 23:24	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 23:24	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 23:24	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 23:24	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 23:24	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 23:24	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 23:24	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 23:24	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 23:24	SS
156-59-2	cis-1,2-Dichloroethylene	**17**		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 23:24	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 23:24	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 23:24	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 23:24	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 23:24	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 23:24	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 23:24	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 23:24	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 23:24	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 23:24	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 23:24	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 23:24	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 23:24	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 23:24	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 23:24	SS

Sample Information

Client Sample ID: WQ072313:1135 FRW2 **York Sample ID:** 13G0913-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13G0913	O&M Sag Harbor (Rowe Industries Site)	Water	July 23, 2013 11:35 am	07/25/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 23:24	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 23:24	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 23:24	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 23:24	SS
127-18-4	Tetrachloroethylene	**28**		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 23:24	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 23:24	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 23:24	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 23:24	SS
79-01-6	Trichloroethylene	**3.1**		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 23:24	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 23:24	SS
75-01-4	Vinyl Chloride	**2.2**		ug/L	0.50	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 23:24	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA SW846-8260B	07/29/2013 10:45	07/29/2013 23:24	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*105 %*	*72.6-129*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*96.6 %*	*63.5-145*
2037-26-5	*Surrogate: Toluene-d8*	*109 %*	*81.2-127*

Sample Information

Client Sample ID: WQ072313:1140 FRW3 **York Sample ID:** 13G0913-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13G0913	O&M Sag Harbor (Rowe Industries Site)	Water	July 23, 2013 11:40 am	07/25/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	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 SW846-8260B	07/29/2013 10:45	07/30/2013 00:03	SS
71-55-6	1,1,1-Trichloroethane	**0.42**	J	ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:03	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:03	SS
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:03	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:03	SS
75-34-3	1,1-Dichloroethane	**0.28**	J	ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:03	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:03	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:03	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:03	SS

Sample Information

Client Sample ID: WQ072313:1140 FRW3 **York Sample ID:** 13G0913-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13G0913	O&M Sag Harbor (Rowe Industries Site)	Water	July 23, 2013 11:40 am	07/25/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:03	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:03	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:03	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:03	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:03	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:03	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:03	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:03	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:03	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:03	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:03	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:03	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:03	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:03	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:03	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:03	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:03	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:03	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:03	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:03	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:03	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:03	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:03	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:03	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:03	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:03	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:03	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:03	SS
156-59-2	cis-1,2-Dichloroethylene	**35**		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:03	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:03	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:03	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:03	SS

Sample Information

Client Sample ID: WQ072313:1140 FRW3 **York Sample ID:** 13G0913-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13G0913	O&M Sag Harbor (Rowe Industries Site)	Water	July 23, 2013 11:40 am	07/25/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:03	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:03	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:03	SS
98-82-8	Isopropylbenzene	**0.95**		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:03	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:03	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:03	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:03	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:03	SS
103-65-1	n-Propylbenzene	**0.62**		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:03	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:03	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:03	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:03	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:03	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:03	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:03	SS
127-18-4	Tetrachloroethylene	**52**		ug/L	1.0	2.5	5	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 14:30	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:03	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:03	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:03	SS
79-01-6	Trichloroethylene	**9.6**		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:03	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:03	SS
75-01-4	Vinyl Chloride	**2.4**		ug/L	0.50	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:03	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:03	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*108 %*	*72.6-129*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*97.2 %*	*63.5-145*
2037-26-5	*Surrogate: Toluene-d8*	*113 %*	*81.2-127*

Sample Information

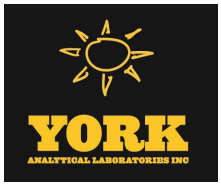
Client Sample ID: WQ072313:1145 FRW4 **York Sample ID:** 13G0913-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13G0913	O&M Sag Harbor (Rowe Industries Site)	Water	July 23, 2013 11:45 am	07/25/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: **WQ072313:1145 FRW4** **York Sample ID:** **13G0913-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13G0913	O&M Sag Harbor (Rowe Industries Site)	Water	July 23, 2013 11:45 am	07/25/2013

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	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 SW846-8260B	07/29/2013 10:45	07/30/2013 00:43	SS
71-55-6	1,1,1-Trichloroethane	**0.69**		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:43	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:43	SS
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:43	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:43	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:43	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:43	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:43	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:43	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:43	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:43	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:43	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:43	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:43	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:43	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:43	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:43	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:43	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:43	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:43	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:43	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:43	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:43	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:43	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:43	SS
67-64-1	Acetone	**2.7**		ug/L	1.0	2.0	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:43	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:43	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:43	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:43	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:43	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:43	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:43	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:43	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:43	SS

Sample Information

Client Sample ID: WQ072313:1145 FRW4 **York Sample ID:** 13G0913-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13G0913	O&M Sag Harbor (Rowe Industries Site)	Water	July 23, 2013 11:45 am	07/25/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:43	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:43	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:43	SS
156-59-2	cis-1,2-Dichloroethylene	**4.9**		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:43	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:43	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:43	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:43	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:43	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:43	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:43	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:43	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:43	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:43	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:43	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:43	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:43	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:43	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:43	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:43	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:43	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:43	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:43	SS
127-18-4	Tetrachloroethylene	**27**		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:43	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:43	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:43	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:43	SS
79-01-6	Trichloroethylene	**4.9**		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:43	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:43	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:43	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 00:43	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*104 %*	*72.6-129*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*95.9 %*	*63.5-145*

Sample Information

Client Sample ID: WQ072313:1145 FRW4 **York Sample ID:** 13G0913-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13G0913	O&M Sag Harbor (Rowe Industries Site)	Water	July 23, 2013 11:45 am	07/25/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2037-26-5	*Surrogate: Toluene-d8*	*123 %*			*81.2-127*						

Analytical Batch Summary

Batch ID: BG31324 **Preparation Method:** EPA 5030B **Prepared By:** KH

YORK Sample ID	Client Sample ID	Preparation Date
13G0913-01	WQ072313:1130 FRW1	07/29/13
13G0913-02	WQ072313:1135 FRW2	07/29/13
13G0913-03	WQ072313:1140 FRW3	07/29/13
13G0913-04	WQ072313:1145 FRW4	07/29/13
BG31324-BLK1	Blank	07/29/13
BG31324-BS1	LCS	07/29/13
BG31324-BSD1	LCS Dup	07/29/13

Batch ID: BG31376 **Preparation Method:** EPA 5030B **Prepared By:** EKM

YORK Sample ID	Client Sample ID	Preparation Date
13G0913-01RE1	WQ072313:1130 FRW1	07/30/13
13G0913-03RE1	WQ072313:1140 FRW3	07/30/13
BG31376-BLK1	Blank	07/30/13
BG31376-BS1	LCS	07/30/13
BG31376-BSD1	LCS Dup	07/30/13

Volatile Organic Compounds by EPA SW846-8260B - 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 BG31324 - EPA 5030B											
Blank (BG31324-BLK1)											Prepared & Analyzed: 07/29/2013
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	2.0	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	2.0	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	2.0	"								
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	"								
o-Xylene	ND	0.50	"								

Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

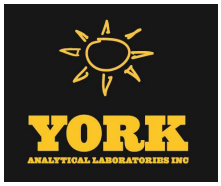
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG31324 - EPA 5030B											
Blank (BG31324-BLK1)								Prepared & Analyzed: 07/29/2013			
p- & m- Xylenes	ND	1.0	ug/L								
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	*10.9*		*"*	*10.0*		*109*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*9.32*		*"*	*10.0*		*93.2*	*63.5-145*				
Surrogate: Toluene-d8	*10.6*		*"*	*10.0*		*106*	*81.2-127*				
LCS (BG31324-BS1)								Prepared & Analyzed: 07/29/2013			
1,1,1,2-Tetrachloroethane	10.8		ug/L	10.0		108	82.3-130				
1,1,1-Trichloroethane	10.8		"	10.0		108	75.6-137				
1,1,2,2-Tetrachloroethane	10.2		"	10.0		102	71.3-131				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0		"	10.0		100	71.1-129				
1,1,2-Trichloroethane	10.5		"	10.0		105	74.5-129				
1,1-Dichloroethane	9.93		"	10.0		99.3	79.6-132				
1,1-Dichloroethylene	9.27		"	10.0		92.7	80.2-146				
1,1-Dichloropropylene	9.50		"	10.0		95.0	75-136				
1,2,3-Trichlorobenzene	9.58		"	10.0		95.8	66.1-136				
1,2,3-Trichloropropane	10.1		"	10.0		101	63-131				
1,2,4-Trichlorobenzene	9.66		"	10.0		96.6	70.6-136				
1,2,4-Trimethylbenzene	10.0		"	10.0		100	75.3-135				
1,2-Dibromo-3-chloropropane	10.5		"	10.0		105	58.9-140				
1,2-Dibromoethane	11.4		"	10.0		114	79-130				
1,2-Dichlorobenzene	9.62		"	10.0		96.2	76.1-122				
1,2-Dichloroethane	9.88		"	10.0		98.8	74.6-132				
1,2-Dichloropropane	9.17		"	10.0		91.7	76.9-129				
1,3,5-Trimethylbenzene	9.97		"	10.0		99.7	70.6-127				
1,3-Dichlorobenzene	9.87		"	10.0		98.7	77-124				
1,3-Dichloropropane	10.5		"	10.0		105	75.8-126				
1,4-Dichlorobenzene	9.89		"	10.0		98.9	76.6-125				
2,2-Dichloropropane	11.0		"	10.0		110	69-133				
2-Chlorotoluene	9.60		"	10.0		96.0	66.3-119				
2-Hexanone	10.7		"	10.0		107	70-130				
4-Chlorotoluene	9.90		"	10.0		99.0	69.2-127				
Acetone	9.04		"	10.0		90.4	70-130				
Benzene	9.64		"	10.0		96.4	76.2-129				
Bromobenzene	9.88		"	10.0		98.8	71.3-123				
Bromochloromethane	9.80		"	10.0		98.0	70.8-137				
Bromodichloromethane	10.1		"	10.0		101	79.7-134				
Bromoform	11.8		"	10.0		118	70.5-141				
Bromomethane	7.90		"	10.0		79.0	43.9-147				
Carbon tetrachloride	12.0		"	10.0		120	78.1-138				
Chlorobenzene	9.73		"	10.0		97.3	80.4-125				

Volatile Organic Compounds by EPA SW846-8260B - 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 BG31324 - EPA 5030B											
LCS (BG31324-BS1)								Prepared & Analyzed: 07/29/2013			
Chloroethane	9.00		ug/L	10.0		90.0	55.8-140				
Chloroform	10.1		"	10.0		101	76.6-133				
Chloromethane	7.86		"	10.0		78.6	48.8-115				
cis-1,2-Dichloroethylene	9.69		"	10.0		96.9	75.1-128				
cis-1,3-Dichloropropylene	10.5		"	10.0		105	74.5-128				
Dibromochloromethane	12.5		"	10.0		125	79.8-134				
Dibromomethane	9.76		"	10.0		97.6	79-130				
Dichlorodifluoromethane	7.83		"	10.0		78.3	47.1-101				
Ethyl Benzene	10.2		"	10.0		102	80.8-128				
Hexachlorobutadiene	10.1		"	10.0		101	64.8-128				
Isopropylbenzene	10.0		"	10.0		100	75.5-135				
Methyl tert-butyl ether (MTBE)	9.76		"	10.0		97.6	65.1-140				
Methylene chloride	9.30		"	10.0		93.0	61.3-120				
Naphthalene	9.89		"	10.0		98.9	62.3-148				
n-Butylbenzene	9.58		"	10.0		95.8	67.2-123				
n-Propylbenzene	9.84		"	10.0		98.4	70.5-127				
o-Xylene	9.58		"	10.0		95.8	75.9-122				
p- & m- Xylenes	19.8		"	20.0		99.2	77.7-127				
p-Isopropyltoluene	10.2		"	10.0		102	75.6-129				
sec-Butylbenzene	10.2		"	10.0		102	71.5-125				
Styrene	10.2		"	10.0		102	77.8-123				
tert-Butylbenzene	10.4		"	10.0		104	75.9-151				
Tetrachloroethylene	9.67		"	10.0		96.7	63.6-167				
Toluene	10.4		"	10.0		104	77-123				
trans-1,2-Dichloroethylene	9.45		"	10.0		94.5	76.3-139				
trans-1,3-Dichloropropylene	12.1		"	10.0		121	72.5-137				
Trichloroethylene	9.36		"	10.0		93.6	77.9-130				
Trichlorofluoromethane	10.0		"	10.0		100	57.4-133				
Vinyl Chloride	8.66		"	10.0		86.6	54.9-124				
Surrogate: 1,2-Dichloroethane-d4	*10.0*		*"*	*10.0*		*100*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*10.3*		*"*	*10.0*		*103*	*63.5-145*				
Surrogate: Toluene-d8	*9.95*		*"*	*10.0*		*99.5*	*81.2-127*				



Volatile Organic Compounds by EPA SW846-8260B - 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 BG31324 - EPA 5030B											
LCS Dup (BG31324-BSD1)								Prepared & Analyzed: 07/29/2013			
1,1,1,2-Tetrachloroethane	10.8		ug/L	10.0		108	82.3-130		0.647	21.1	
1,1,1-Trichloroethane	11.0		"	10.0		110	75.6-137		2.20	19.7	
1,1,2,2-Tetrachloroethane	9.97		"	10.0		99.7	71.3-131		1.79	20.8	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.82		"	10.0		98.2	71.1-129		2.02	21.7	
1,1,2-Trichloroethane	10.7		"	10.0		107	74.5-129		1.51	20.3	
1,1-Dichloroethane	9.83		"	10.0		98.3	79.6-132		1.01	20.6	
1,1-Dichloroethylene	9.29		"	10.0		92.9	80.2-146		0.216	20	
1,1-Dichloropropylene	9.43		"	10.0		94.3	75-136		0.740	19.3	
1,2,3-Trichlorobenzene	9.95		"	10.0		99.5	66.1-136		3.79	21.6	
1,2,3-Trichloropropane	10.3		"	10.0		103	63-131		2.07	23.9	
1,2,4-Trichlorobenzene	9.85		"	10.0		98.5	70.6-136		1.95	21.7	
1,2,4-Trimethylbenzene	9.65		"	10.0		96.5	75.3-135		3.76	18.8	
1,2-Dibromo-3-chloropropane	9.96		"	10.0		99.6	58.9-140		5.09	27.7	
1,2-Dibromoethane	11.5		"	10.0		115	79-130		0.523	23	
1,2-Dichlorobenzene	9.43		"	10.0		94.3	76.1-122		1.99	19.8	
1,2-Dichloroethane	10.2		"	10.0		102	74.6-132		3.19	20.2	
1,2-Dichloropropane	10.8		"	10.0		108	76.9-129		16.3	20.7	
1,3,5-Trimethylbenzene	9.62		"	10.0		96.2	70.6-127		3.57	18.9	
1,3-Dichlorobenzene	9.75		"	10.0		97.5	77-124		1.22	19.2	
1,3-Dichloropropane	10.5		"	10.0		105	75.8-126		0.285	22.1	
1,4-Dichlorobenzene	9.73		"	10.0		97.3	76.6-125		1.63	18.6	
2,2-Dichloropropane	10.7		"	10.0		107	69-133		2.30	19.8	
2-Chlorotoluene	9.24		"	10.0		92.4	66.3-119		3.82	21.6	
2-Hexanone	10.9		"	10.0		109	70-130		2.59	30	
4-Chlorotoluene	9.51		"	10.0		95.1	69.2-127		4.02	19	
Acetone	9.42		"	10.0		94.2	70-130		4.12	30	
Benzene	9.70		"	10.0		97.0	76.2-129		0.620	19	
Bromobenzene	9.62		"	10.0		96.2	71.3-123		2.67	20.3	
Bromochloromethane	9.94		"	10.0		99.4	70.8-137		1.42	23.9	
Bromodichloromethane	11.3		"	10.0		113	79.7-134		10.6	21	
Bromoform	11.9		"	10.0		119	70.5-141		1.35	21.8	
Bromomethane	8.12		"	10.0		81.2	43.9-147		2.75	28.4	
Carbon tetrachloride	12.2		"	10.0		122	78.1-138		1.74	20.1	
Chlorobenzene	9.59		"	10.0		95.9	80.4-125		1.45	19.9	
Chloroethane	8.42		"	10.0		84.2	55.8-140		6.66	23.3	
Chloroform	10.2		"	10.0		102	76.6-133		0.985	20.3	
Chloromethane	7.66		"	10.0		76.6	48.8-115		2.58	24.5	
cis-1,2-Dichloroethylene	9.57		"	10.0		95.7	75.1-128		1.25	20.5	
cis-1,3-Dichloropropylene	12.4		"	10.0		124	74.5-128		16.2	19.9	
Dibromochloromethane	13.5		"	10.0		135	79.8-134	High Bias	7.40	21.3	
Dibromomethane	11.2		"	10.0		112	79-130		13.8	22.4	
Dichlorodifluoromethane	7.97		"	10.0		79.7	47.1-101		1.77	23.9	
Ethyl Benzene	9.94		"	10.0		99.4	80.8-128		2.78	19.2	
Hexachlorobutadiene	9.94		"	10.0		99.4	64.8-128		1.70	20.6	
Isopropylbenzene	9.58		"	10.0		95.8	75.5-135		4.39	20	
Methyl tert-butyl ether (MTBE)	11.0		"	10.0		110	65.1-140		11.9	23.6	
Methylene chloride	9.37		"	10.0		93.7	61.3-120		0.750	20.4	
Naphthalene	10.5		"	10.0		105	62.3-148		6.08	27.1	
n-Butylbenzene	9.27		"	10.0		92.7	67.2-123		3.29	19.1	
n-Propylbenzene	9.41		"	10.0		94.1	70.5-127		4.47	23.4	
o-Xylene	9.47		"	10.0		94.7	75.9-122		1.15	19.3	

Volatile Organic Compounds by EPA SW846-8260B - 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 BG31324 - EPA 5030B											
LCS Dup (BG31324-BSD1)									Prepared & Analyzed: 07/29/2013		
p- & m- Xylenes	19.4		ug/L	20.0		97.0	77.7-127		2.34	18.6	
p-Isopropyltoluene	9.85		"	10.0		98.5	75.6-129		3.59	19.1	
sec-Butylbenzene	9.86		"	10.0		98.6	71.5-125		3.78	18.9	
Styrene	10.1		"	10.0		101	77.8-123		1.58	20.9	
tert-Butylbenzene	9.90		"	10.0		99.0	75.9-151		5.12	20.9	
Tetrachloroethylene	9.32		"	10.0		93.2	63.6-167		3.69	27.7	
Toluene	10.5		"	10.0		105	77-123		0.954	18.7	
trans-1,2-Dichloroethylene	9.33		"	10.0		93.3	76.3-139		1.28	19.5	
trans-1,3-Dichloropropylene	12.5		"	10.0		125	72.5-137		3.42	19.3	
Trichloroethylene	8.82		"	10.0		88.2	77.9-130		5.94	20.5	
Trichlorofluoromethane	10.2		"	10.0		102	57.4-133		1.58	21.4	
Vinyl Chloride	8.45		"	10.0		84.5	54.9-124		2.45	22.3	
Surrogate: 1,2-Dichloroethane-d4	*10.4*		*"*	*10.0*		*104*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*10.0*		*"*	*10.0*		*100*	*63.5-145*				
Surrogate: Toluene-d8	*11.0*		*"*	*10.0*		*110*	*81.2-127*				
Batch BG31376 - EPA 5030B											
Blank (BG31376-BLK1)									Prepared & Analyzed: 07/30/2013		
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	2.0	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	2.0	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	2.0	"								
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	"								

Volatile Organic Compounds by EPA SW846-8260B - 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 BG31376 - EPA 5030B											
Blank (BG31376-BLK1)											Prepared & Analyzed: 07/30/2013
Chlorobenzene	ND	0.50	ug/L								
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	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: 1,2-Dichloroethane-d4	*10.2*		*"*	*10.0*		*102*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*9.32*		*"*	*10.0*		*93.2*	*63.5-145*				
Surrogate: Toluene-d8	*9.57*		*"*	*10.0*		*95.7*	*81.2-127*				

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

Batch BG31376 - EPA 5030B

LCS (BG31376-BS1) Prepared & Analyzed: 07/30/2013

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1,1,2-Tetrachloroethane	9.79		ug/L	10.0		97.9	82.3-130				
1,1,1-Trichloroethane	9.82		"	10.0		98.2	75.6-137				
1,1,2,2-Tetrachloroethane	9.34		"	10.0		93.4	71.3-131				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.34		"	10.0		93.4	71.1-129				
1,1,2-Trichloroethane	8.65		"	10.0		86.5	74.5-129				
1,1-Dichloroethane	9.47		"	10.0		94.7	79.6-132				
1,1-Dichloroethylene	8.90		"	10.0		89.0	80.2-146				
1,1-Dichloropropylene	8.87		"	10.0		88.7	75-136				
1,2,3-Trichlorobenzene	9.23		"	10.0		92.3	66.1-136				
1,2,3-Trichloropropane	8.99		"	10.0		89.9	63-131				
1,2,4-Trichlorobenzene	9.41		"	10.0		94.1	70.6-136				
1,2,4-Trimethylbenzene	9.34		"	10.0		93.4	75.3-135				
1,2-Dibromo-3-chloropropane	9.76		"	10.0		97.6	58.9-140				
1,2-Dibromoethane	10.2		"	10.0		102	79-130				
1,2-Dichlorobenzene	9.25		"	10.0		92.5	76.1-122				
1,2-Dichloroethane	9.38		"	10.0		93.8	74.6-132				
1,2-Dichloropropane	9.29		"	10.0		92.9	76.9-129				
1,3,5-Trimethylbenzene	9.12		"	10.0		91.2	70.6-127				
1,3-Dichlorobenzene	9.35		"	10.0		93.5	77-124				
1,3-Dichloropropane	9.64		"	10.0		96.4	75.8-126				
1,4-Dichlorobenzene	9.32		"	10.0		93.2	76.6-125				
2,2-Dichloropropane	10.6		"	10.0		106	69-133				
2-Chlorotoluene	8.94		"	10.0		89.4	66.3-119				
2-Hexanone	9.93		"	10.0		99.3	70-130				
4-Chlorotoluene	9.11		"	10.0		91.1	69.2-127				
Acetone	9.71		"	10.0		97.1	70-130				
Benzene	9.60		"	10.0		96.0	76.2-129				
Bromobenzene	9.05		"	10.0		90.5	71.3-123				
Bromochloromethane	9.75		"	10.0		97.5	70.8-137				
Bromodichloromethane	9.91		"	10.0		99.1	79.7-134				
Bromoform	10.0		"	10.0		100	70.5-141				
Bromomethane	8.61		"	10.0		86.1	43.9-147				
Carbon tetrachloride	9.91		"	10.0		99.1	78.1-138				
Chlorobenzene	9.22		"	10.0		92.2	80.4-125				
Chloroethane	8.76		"	10.0		87.6	55.8-140				
Chloroform	9.62		"	10.0		96.2	76.6-133				
Chloromethane	7.99		"	10.0		79.9	48.8-115				
cis-1,2-Dichloroethylene	9.39		"	10.0		93.9	75.1-128				
cis-1,3-Dichloropropylene	10.5		"	10.0		105	74.5-128				
Dibromochloromethane	11.1		"	10.0		111	79.8-134				
Dibromomethane	9.77		"	10.0		97.7	79-130				
Dichlorodifluoromethane	6.67		"	10.0		66.7	47.1-101				
Ethyl Benzene	9.78		"	10.0		97.8	80.8-128				
Hexachlorobutadiene	9.14		"	10.0		91.4	64.8-128				
Isopropylbenzene	9.16		"	10.0		91.6	75.5-135				
Methyl tert-butyl ether (MTBE)	10.5		"	10.0		105	65.1-140				
Methylene chloride	9.37		"	10.0		93.7	61.3-120				
Naphthalene	9.60		"	10.0		96.0	62.3-148				
n-Butylbenzene	9.05		"	10.0		90.5	67.2-123				
n-Propylbenzene	9.16		"	10.0		91.6	70.5-127				
o-Xylene	9.41		"	10.0		94.1	75.9-122				

Volatile Organic Compounds by EPA SW846-8260B - 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 BG31376 - EPA 5030B											
LCS (BG31376-BS1)							Prepared & Analyzed: 07/30/2013				
p- & m- Xylenes	19.5		ug/L	20.0		97.4	77.7-127				
p-Isopropyltoluene	9.43		"	10.0		94.3	75.6-129				
sec-Butylbenzene	9.46		"	10.0		94.6	71.5-125				
Styrene	10.0		"	10.0		100	77.8-123				
tert-Butylbenzene	9.35		"	10.0		93.5	75.9-151				
Tetrachloroethylene	8.39		"	10.0		83.9	63.6-167				
Toluene	9.09		"	10.0		90.9	77-123				
trans-1,2-Dichloroethylene	9.28		"	10.0		92.8	76.3-139				
trans-1,3-Dichloropropylene	10.4		"	10.0		104	72.5-137				
Trichloroethylene	9.06		"	10.0		90.6	77.9-130				
Trichlorofluoromethane	9.38		"	10.0		93.8	57.4-133				
Vinyl Chloride	8.51		"	10.0		85.1	54.9-124				
Surrogate: 1,2-Dichloroethane-d4	*10.1*		*"*	*10.0*		*101*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*9.92*		*"*	*10.0*		*99.2*	*63.5-145*				
Surrogate: Toluene-d8	*9.61*		*"*	*10.0*		*96.1*	*81.2-127*				
LCS Dup (BG31376-BSD1)							Prepared & Analyzed: 07/30/2013				
1,1,1,2-Tetrachloroethane	10.7		ug/L	10.0		107	82.3-130		9.07	21.1	
1,1,1-Trichloroethane	10.7		"	10.0		107	75.6-137		8.58	19.7	
1,1,2,2-Tetrachloroethane	11.2		"	10.0		112	71.3-131		18.6	20.8	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.76		"	10.0		97.6	71.1-129		4.40	21.7	
1,1,2-Trichloroethane	9.87		"	10.0		98.7	74.5-129		13.2	20.3	
1,1-Dichloroethane	9.97		"	10.0		99.7	79.6-132		5.14	20.6	
1,1-Dichloroethylene	9.47		"	10.0		94.7	80.2-146		6.21	20	
1,1-Dichloropropylene	9.57		"	10.0		95.7	75-136		7.59	19.3	
1,2,3-Trichlorobenzene	10.7		"	10.0		107	66.1-136		14.6	21.6	
1,2,3-Trichloropropane	11.0		"	10.0		110	63-131		20.3	23.9	
1,2,4-Trichlorobenzene	10.6		"	10.0		106	70.6-136		11.7	21.7	
1,2,4-Trimethylbenzene	10.0		"	10.0		100	75.3-135		7.32	18.8	
1,2-Dibromo-3-chloropropane	11.6		"	10.0		116	58.9-140		17.6	27.7	
1,2-Dibromoethane	10.9		"	10.0		109	79-130		6.73	23	
1,2-Dichlorobenzene	10.3		"	10.0		103	76.1-122		10.7	19.8	
1,2-Dichloroethane	10.2		"	10.0		102	74.6-132		8.57	20.2	
1,2-Dichloropropane	9.54		"	10.0		95.4	76.9-129		2.66	20.7	
1,3,5-Trimethylbenzene	9.94		"	10.0		99.4	70.6-127		8.60	18.9	
1,3-Dichlorobenzene	10.3		"	10.0		103	77-124		9.57	19.2	
1,3-Dichloropropane	9.59		"	10.0		95.9	75.8-126		0.520	22.1	
1,4-Dichlorobenzene	10.1		"	10.0		101	76.6-125		7.84	18.6	
2,2-Dichloropropane	11.1		"	10.0		111	69-133		4.50	19.8	
2-Chlorotoluene	9.72		"	10.0		97.2	66.3-119		8.36	21.6	
2-Hexanone	10.9		"	10.0		109	70-130		9.13	30	
4-Chlorotoluene	10.0		"	10.0		100	69.2-127		9.41	19	
Acetone	10.1		"	10.0		101	70-130		4.14	30	
Benzene	10.0		"	10.0		100	76.2-129		4.58	19	
Bromobenzene	10.2		"	10.0		102	71.3-123		11.7	20.3	
Bromochloromethane	10.5		"	10.0		105	70.8-137		7.03	23.9	
Bromodichloromethane	10.6		"	10.0		106	79.7-134		7.01	21	
Bromoform	12.2		"	10.0		122	70.5-141		19.2	21.8	
Bromomethane	9.21		"	10.0		92.1	43.9-147		6.73	28.4	
Carbon tetrachloride	10.8		"	10.0		108	78.1-138		8.32	20.1	
Chlorobenzene	10.0		"	10.0		100	80.4-125		8.61	19.9	
Chloroethane	9.09		"	10.0		90.9	55.8-140		3.70	23.3	

Volatile Organic Compounds by EPA SW846-8260B - 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 BG31376 - EPA 5030B											
LCS Dup (BG31376-BSD1)								Prepared & Analyzed: 07/30/2013			
Chloroform	10.4		ug/L	10.0		104	76.6-133		7.50	20.3	
Chloromethane	7.83		"	10.0		78.3	48.8-115		2.02	24.5	
cis-1,2-Dichloroethylene	10.1		"	10.0		101	75.1-128		7.19	20.5	
cis-1,3-Dichloropropylene	11.3		"	10.0		113	74.5-128		7.43	19.9	
Dibromochloromethane	12.1		"	10.0		121	79.8-134		8.10	21.3	
Dibromomethane	10.2		"	10.0		102	79-130		4.80	22.4	
Dichlorodifluoromethane	6.37		"	10.0		63.7	47.1-101		4.60	23.9	
Ethyl Benzene	10.4		"	10.0		104	80.8-128		6.14	19.2	
Hexachlorobutadiene	10.4		"	10.0		104	64.8-128		13.2	20.6	
Isopropylbenzene	10.0		"	10.0		100	75.5-135		9.07	20	
Methyl tert-butyl ether (MTBE)	10.7		"	10.0		107	65.1-140		2.17	23.6	
Methylene chloride	9.77		"	10.0		97.7	61.3-120		4.18	20.4	
Naphthalene	11.3		"	10.0		113	62.3-148		16.5	27.1	
n-Butylbenzene	9.54		"	10.0		95.4	67.2-123		5.27	19.1	
n-Propylbenzene	9.88		"	10.0		98.8	70.5-127		7.56	23.4	
o-Xylene	9.99		"	10.0		99.9	75.9-122		5.98	19.3	
p- & m- Xylenes	20.5		"	20.0		102	77.7-127		5.11	18.6	
p-Isopropyltoluene	10.1		"	10.0		101	75.6-129		6.86	19.1	
sec-Butylbenzene	10.2		"	10.0		102	71.5-125		7.53	18.9	
Styrene	10.9		"	10.0		109	77.8-123		8.52	20.9	
tert-Butylbenzene	10.2		"	10.0		102	75.9-151		9.18	20.9	
Tetrachloroethylene	8.68		"	10.0		86.8	63.6-167		3.40	27.7	
Toluene	9.42		"	10.0		94.2	77-123		3.57	18.7	
trans-1,2-Dichloroethylene	9.64		"	10.0		96.4	76.3-139		3.81	19.5	
trans-1,3-Dichloropropylene	11.4		"	10.0		114	72.5-137		9.45	19.3	
Trichloroethylene	9.62		"	10.0		96.2	77.9-130		6.00	20.5	
Trichlorofluoromethane	9.46		"	10.0		94.6	57.4-133		0.849	21.4	
Vinyl Chloride	8.51		"	10.0		85.1	54.9-124		0.00	22.3	
Surrogate: 1,2-Dichloroethane-d4	*10.0*		*"*	*10.0*		*100*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*9.96*		*"*	*10.0*		*99.6*	*63.5-145*				
Surrogate: Toluene-d8	*9.48*		*"*	*10.0*		*94.8*	*81.2-127*				

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
13G0913-01	WQ072313:1130 FRW1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13G0913-02	WQ072313:1135 FRW2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13G0913-03	WQ072313:1140 FRW3	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13G0913-04	WQ072313:1145 FRW4	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Notes and Definitions

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.

ND Analyte NOT DETECTED at the stated Reporting Limit (RL) or above.

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

MDL METHOD DETECTION LIMIT - the minimum concentration that can be measured and reported with a 99% confidence that the concentration is greater than zero. If requested or required, a value reported below the RL and above the MDL is considered estimated and is noted with a "J" flag.

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 MDL, with values between the MDL and the RL being "J" flagged as estimated results.

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 unless superseded by written contract.

York Project No. 13G0913

Client Information		Report to:		Invoice To:		Client Project ID	Turn-Around Time		Report Type/Deliverables	
Company:	LBG	SAME ☐		SAME ☐		Rowe Industries	RUSH Same Day		Summary	x, pdf
Address:	4 Research Drive,	Name:	Tunde Sandor	Name:	Mark Goldberg		RUSH Next Day		QA/QC Summary	x, pdf
	Suite 301, Shelton CT, 06484	Company:	Same	Company:	Same		RUSH Two Day		CT RCP Pkg	
Phone no.:	203-929-8555	Address:		Address:		Purchase Order no.	RUSH Three Day		ASP A Pkg	
Contact Person	Tunde Sandor					NABSAG	RUSH Four Day		ASP B Pkg	x, pdf
E-mail Addr.:	Tsandor@lbgct.com	E-mail:		E-mail			Standard (5-7 days)	X	Excel	
FAX No.:	203-926-9140	Fax No.:		Fax No.:		Samples from: CT__ NY__ NJ__	OTHER		EDD	x, Excel

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)
Stephen Hunt
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	Miscellaneous Parameters			Special Instructions
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.	Corrosivity	Nitrate	Color	Field Filtered ☐
624	Site Spec.	STARS	8081Pest	PP13	TPH DRO	TCL Organics	Reactivity	Nitrite	Phenols	Lab to Filter ☐
STARS	SPLP or TCLP	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN	Ignitability	TKN	Cyanide-T	
BTEX	Benzene	Acids Only	CT RCP	CT15	NY 310-13	Full TCLP	Flash Point	Tot. Nitrogen	Cyanide-A	
MTBE	Nassau Co.	PAH	App. IX	Total	TPH 418.1	Full App. IX	Sieve Anal.	Ammonia-N	BOD5	
TCL list	Suffolk Co.	TAGM	Site Spec.	Dissolved	Air TO14A	Part 360-Routine	Heterotrophs	Chloride	CBOD5	
TAGM	Ketones	CT RCP	SPLP or TCLP	SPLP or TCLP	Air TO15	Part 360-Baseline	TOX	Phosphate	BOD28	
CT RCP	Oxygenates	TCL list	TCLP Pest	Indiv. Metals	Air STARS	Part 360-Expanded	BTU/lb.	Tot. Phos.	COD	
Arom.	TCLP list	TICs	TCLP Herb	Hg, Pb, As, Cd	Air VPH	Part 360-Expanded Full List	Aquatic Tox.	Oil&Grease	TSS	
Halog.	524.2	App. IX	Chlordane	Cr, Ni, Be, Fe,	Air TICs	NYCDEP Sewer	TOC	F.O.G.	Total Solids	
App.IX	502.2	SPLP or TCLP	608 Pest	Se, Tl, Sb, Cu,	Methane	NYSDEC Sewer	Asbestos	pH	TDS	
8021B list	5035	TCLP BNA	608 PCB	Na, Mn, Ag, etc.	Helium	TAGM	Silica	MBAS	TPH-IR	

Sample Identification	Date Sampled		Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
WQ072313:1130FRW1	7/23/13	1130	GW	VOC 8260 full list (EPA SW846-8260B)	3V
WQ072313:1135FRW2	↓	1135	GW	VOC 8260 full list (EPA SW846-8260B)	3V
WQ072313:1140FRW3	↓	1140	GW	VOC 8260 full list (EPA SW846-8260B)	3V
WQ072313:1145FRW4	↓	1145	GW	VOC 8260 full list (EPA SW846-8260B)	3V
			GW	~~VOC 8260 full list (EPA SW846-8260B)~~	
			GW	~~VOC 8260 full list (EPA SW846-8260B)~~	
			GW	~~VOC 8260 full list (EPA SW846-8260B)~~	
			GW	~~VOC 8260 full list (EPA SW846-8260B)~~	

Comments

Preservation "X" those applicable: Cool 4°C___ HNO3___ H2SO4___ NaOH___ NONE___ FROZEN___

Samples Relinquished By	Date/Time	Samples Received By	Date/Time	Temperature on Receipt
[signature]	7/24/13 1400	[signature] ESH Fridge 7/25/13 1230	7/24/13 1400	
Danielle Vecci	7/25/13 12:20	[signature] (Samples Received in LAB by)	7/25/13-1440	4.1 °C

Technical Report

prepared for:

Leggette Brashears & Graham Shelton Office
4 Research Drive, Suite 301
Shelton CT, 06484
Attention: Tunde Komuves-Sandor

Report Date: 08/05/2013
Client Project ID: Rowe Industries
York Project (SDG) No.: 13G1044

Report Date: 08/05/2013
Client Project ID: Rowe Industries
York Project (SDG) No.: 13G1044

Leggette Brashears & Graham Shelton Office
4 Research Drive, Suite 301
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 July 30, 2013 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 Notes 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 attachment to 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
13G1044-01	GWQ072913:1050NP1-1-2	Water	07/29/2013	07/30/2013
13G1044-02	GWQ072913:1100NP1-1-4	Water	07/29/2013	07/30/2013
13G1044-03	GWQ072913:1110NP1-1-6	Water	07/29/2013	07/30/2013
13G1044-04	GWQ072913:1120NP1-1-7	Water	07/29/2013	07/30/2013

General Notes for York Project (SDG) No.: 13G1044

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 samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By: 

Date: 08/05/2013

Benjamin Gulizia
Laboratory Director

YORK

Sample Information

Client Sample ID: GWQ072913:1050NP1-1-2 **York Sample ID:** 13G1044-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13G1044	Rowe Industries	Water	July 29, 2013 10:50 am	07/30/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	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 SW846-8260B	08/01/2013 11:20	08/01/2013 16:48	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:48	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:48	SS
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:48	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:48	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:48	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:48	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:48	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:48	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:48	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:48	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:48	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:48	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:48	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:48	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:48	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:48	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:48	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:48	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:48	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:48	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:48	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:48	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:48	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:48	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:48	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:48	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:48	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:48	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:48	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:48	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:48	SS

Sample Information

Client Sample ID: GWQ072913:1050NP1-1-2 **York Sample ID:** 13G1044-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13G1044	Rowe Industries	Water	July 29, 2013 10:50 am	07/30/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:48	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:48	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:48	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:48	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:48	SS
156-59-2	cis-1,2-Dichloroethylene	**0.61**		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:48	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:48	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:48	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:48	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:48	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:48	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:48	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:48	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:48	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:48	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:48	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:48	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:48	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:48	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:48	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:48	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:48	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:48	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:48	SS
127-18-4	Tetrachloroethylene	**0.93**		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:48	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:48	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:48	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:48	SS
79-01-6	Trichloroethylene	**0.54**		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:48	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:48	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:48	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 16:48	SS

Sample Information

Client Sample ID: GWQ072913:1050NP1-1-2 **York Sample ID:** 13G1044-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13G1044	Rowe Industries	Water	July 29, 2013 10:50 am	07/30/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate Recoveries	**Result**			**Acceptance Range**						
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*106 %*			*72.6-129*						
460-00-4	*Surrogate: p-Bromofluorobenzene*	*93.9 %*			*63.5-145*						
2037-26-5	*Surrogate: Toluene-d8*	*108 %*			*81.2-127*						

Sample Information

Client Sample ID: GWQ072913:1100NP1-1-4 **York Sample ID:** 13G1044-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13G1044	Rowe Industries	Water	July 29, 2013 11:00 am	07/30/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	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 SW846-8260B	08/01/2013 11:20	08/01/2013 17:26	SS
71-55-6	1,1,1-Trichloroethane	**1.3**		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 17:26	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 17:26	SS
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 17:26	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 17:26	SS
75-34-3	1,1-Dichloroethane	**0.35**	J	ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 17:26	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 17:26	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 17:26	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 17:26	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 17:26	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 17:26	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 17:26	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 17:26	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 17:26	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 17:26	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 17:26	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 17:26	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 17:26	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 17:26	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 17:26	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 17:26	SS

Sample Information

Client Sample ID: GWQ072913:1100NP1-1-4 **York Sample ID:** 13G1044-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13G1044	Rowe Industries	Water	July 29, 2013 11:00 am	07/30/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 17:26	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 17:26	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 17:26	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 17:26	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 17:26	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 17:26	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 17:26	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 17:26	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 17:26	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 17:26	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 17:26	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 17:26	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 17:26	SS
75-00-3	Chloroethane	**0.29**	J	ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 17:26	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 17:26	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 17:26	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 17:26	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 17:26	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 17:26	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 17:26	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 17:26	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 17:26	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 17:26	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 17:26	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 17:26	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 17:26	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 17:26	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 17:26	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 17:26	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 17:26	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 17:26	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 17:26	SS

Sample Information

Client Sample ID: GWQ072913:1100NP1-1-4 **York Sample ID:** 13G1044-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13G1044	Rowe Industries	Water	July 29, 2013 11:00 am	07/30/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 17:26	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 17:26	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 17:26	SS
127-18-4	Tetrachloroethylene	**0.93**		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 17:26	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 17:26	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 17:26	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 17:26	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 17:26	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 17:26	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 17:26	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 17:26	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*103 %*	*72.6-129*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*93.5 %*	*63.5-145*
2037-26-5	*Surrogate: Toluene-d8*	*97.5 %*	*81.2-127*

Sample Information

Client Sample ID: GWQ072913:1110NP1-1-6 **York Sample ID:** 13G1044-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13G1044	Rowe Industries	Water	July 29, 2013 11:10 am	07/30/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	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 SW846-8260B	08/01/2013 11:20	08/01/2013 18:04	SS
71-55-6	1,1,1-Trichloroethane	**0.50**		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:04	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:04	SS
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:04	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:04	SS
75-34-3	1,1-Dichloroethane	**0.34**	J	ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:04	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:04	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:04	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:04	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:04	SS

Sample Information

Client Sample ID: GWQ072913:1110NP1-1-6 **York Sample ID:** 13G1044-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13G1044	Rowe Industries	Water	July 29, 2013 11:10 am	07/30/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:04	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:04	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:04	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:04	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:04	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:04	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:04	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:04	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:04	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:04	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:04	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:04	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:04	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:04	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:04	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:04	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:04	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:04	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:04	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:04	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:04	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:04	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:04	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:04	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:04	SS
67-66-3	Chloroform	**0.27**	J	ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:04	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:04	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:04	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:04	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:04	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:04	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:04	SS

Sample Information

Client Sample ID: GWQ072913:1110NP1-1-6 **York Sample ID:** 13G1044-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13G1044	Rowe Industries	Water	July 29, 2013 11:10 am	07/30/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:04	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:04	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:04	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:04	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:04	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:04	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:04	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:04	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:04	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:04	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:04	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:04	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:04	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:04	SS
127-18-4	Tetrachloroethylene	**1.7**		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:04	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:04	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:04	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:04	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:04	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:04	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:04	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:04	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*112 %*	*72.6-129*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*90.9 %*	*63.5-145*
2037-26-5	*Surrogate: Toluene-d8*	*109 %*	*81.2-127*

Sample Information

Client Sample ID: GWQ072913:1120NP1-1-7 **York Sample ID:** 13G1044-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13G1044	Rowe Industries	Water	July 29, 2013 11:20 am	07/30/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: GWQ072913:1120NP1-1-7 **York Sample ID:** 13G1044-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13G1044	Rowe Industries	Water	July 29, 2013 11:20 am	07/30/2013

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	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 SW846-8260B	08/01/2013 11:20	08/01/2013 18:42	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:42	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:42	SS
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:42	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:42	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:42	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:42	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:42	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:42	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:42	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:42	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:42	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:42	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:42	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:42	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:42	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:42	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:42	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:42	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:42	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:42	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:42	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:42	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:42	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:42	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:42	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:42	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:42	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:42	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:42	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:42	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:42	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:42	SS

Sample Information

Client Sample ID: GWQ072913:1120NP1-1-7 **York Sample ID:** 13G1044-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13G1044	Rowe Industries	Water	July 29, 2013 11:20 am	07/30/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:42	SS
75-00-3	Chloroethane	**0.24**	J	ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:42	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:42	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:42	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:42	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:42	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:42	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:42	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:42	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:42	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:42	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:42	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:42	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:42	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:42	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:42	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:42	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:42	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:42	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:42	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:42	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:42	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:42	SS
127-18-4	Tetrachloroethylene	**0.65**		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:42	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:42	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:42	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:42	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:42	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:42	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:42	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA SW846-8260B	08/01/2013 11:20	08/01/2013 18:42	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*112 %*	*72.6-129*

Sample Information

Client Sample ID: GWQ072913:1120NP1-1-7 **York Sample ID:** 13G1044-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13G1044	Rowe Industries	Water	July 29, 2013 11:20 am	07/30/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
460-00-4	*Surrogate: p-Bromofluorobenzene*	*91.6 %*			*63.5-145*						
2037-26-5	*Surrogate: Toluene-d8*	*108 %*			*81.2-127*						

Analytical Batch Summary

Batch ID: BH30023 **Preparation Method:** EPA 5030B **Prepared By:** EKM

YORK Sample ID	Client Sample ID	Preparation Date
13G1044-01	GWQ072913:1050NP1-1-2	08/01/13
13G1044-02	GWQ072913:1100NP1-1-4	08/01/13
13G1044-03	GWQ072913:1110NP1-1-6	08/01/13
13G1044-04	GWQ072913:1120NP1-1-7	08/01/13
BH30023-BLK1	Blank	08/01/13
BH30023-BS1	LCS	08/01/13
BH30023-BSD1	LCS Dup	08/01/13
BH30023-MS1	Matrix Spike	08/01/13
BH30023-MSD1	Matrix Spike Dup	08/01/13

Volatile Organic Compounds by EPA SW846-8260B - 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 BH30023 - EPA 5030B											
Blank (BH30023-BLK1)											Prepared & Analyzed: 08/01/2013
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	2.0	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	2.0	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	2.0	"								
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	"								
o-Xylene	ND	0.50	"								

Volatile Organic Compounds by EPA SW846-8260B - 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 BH30023 - EPA 5030B											
Blank (BH30023-BLK1)								Prepared & Analyzed: 08/01/2013			
p- & m- Xylenes	ND	1.0	ug/L								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: 1,2-Dichloroethane-d4	*10.7*		*"*	*10.0*		*107*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*9.29*		*"*	*10.0*		*92.9*	*63.5-145*				
Surrogate: Toluene-d8	*9.27*		*"*	*10.0*		*92.7*	*81.2-127*				
LCS (BH30023-BS1)								Prepared & Analyzed: 08/01/2013			
1,1,1,2-Tetrachloroethane	10.6		ug/L	10.0		106	82.3-130				
1,1,1-Trichloroethane	10.4		"	10.0		104	75.6-137				
1,1,2,2-Tetrachloroethane	10.4		"	10.0		104	71.3-131				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.1		"	10.0		101	71.1-129				
1,1,2-Trichloroethane	10.8		"	10.0		108	74.5-129				
1,1-Dichloroethane	9.99		"	10.0		99.9	79.6-132				
1,1-Dichloroethylene	9.75		"	10.0		97.5	80.2-146				
1,1-Dichloropropylene	9.19		"	10.0		91.9	75-136				
1,2,3-Trichlorobenzene	9.32		"	10.0		93.2	66.1-136				
1,2,3-Trichloropropane	10.5		"	10.0		105	63-131				
1,2,4-Trichlorobenzene	9.72		"	10.0		97.2	70.6-136				
1,2,4-Trimethylbenzene	9.72		"	10.0		97.2	75.3-135				
1,2-Dibromo-3-chloropropane	10.8		"	10.0		108	58.9-140				
1,2-Dibromoethane	11.7		"	10.0		117	79-130				
1,2-Dichlorobenzene	9.66		"	10.0		96.6	76.1-122				
1,2-Dichloroethane	10.1		"	10.0		101	74.6-132				
1,2-Dichloropropane	9.70		"	10.0		97.0	76.9-129				
1,3,5-Trimethylbenzene	9.76		"	10.0		97.6	70.6-127				
1,3-Dichlorobenzene	9.81		"	10.0		98.1	77-124				
1,3-Dichloropropane	10.6		"	10.0		106	75.8-126				
1,4-Dichlorobenzene	9.80		"	10.0		98.0	76.6-125				
2,2-Dichloropropane	11.8		"	10.0		118	69-133				
2-Chlorotoluene	9.43		"	10.0		94.3	66.3-119				
2-Hexanone	11.1		"	10.0		111	70-130				
4-Chlorotoluene	9.81		"	10.0		98.1	69.2-127				
Acetone	9.98		"	10.0		99.8	70-130				
Benzene	9.77		"	10.0		97.7	76.2-129				
Bromobenzene	9.68		"	10.0		96.8	71.3-123				
Bromochloromethane	10.5		"	10.0		105	70.8-137				
Bromodichloromethane	10.6		"	10.0		106	79.7-134				
Bromoform	11.7		"	10.0		117	70.5-141				
Bromomethane	8.37		"	10.0		83.7	43.9-147				
Carbon tetrachloride	11.3		"	10.0		113	78.1-138				
Chlorobenzene	9.73		"	10.0		97.3	80.4-125				

Volatile Organic Compounds by EPA SW846-8260B - 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 BH30023 - EPA 5030B											
LCS (BH30023-BS1)								Prepared & Analyzed: 08/01/2013			
Chloroethane	9.83		ug/L	10.0		98.3	55.8-140				
Chloroform	10.2		"	10.0		102	76.6-133				
Chloromethane	8.24		"	10.0		82.4	48.8-115				
cis-1,2-Dichloroethylene	9.83		"	10.0		98.3	75.1-128				
cis-1,3-Dichloropropylene	11.4		"	10.0		114	74.5-128				
Dibromochloromethane	12.8		"	10.0		128	79.8-134				
Dibromomethane	10.2		"	10.0		102	79-130				
Dichlorodifluoromethane	9.80		"	10.0		98.0	47.1-101				
Ethyl Benzene	9.90		"	10.0		99.0	80.8-128				
Hexachlorobutadiene	9.47		"	10.0		94.7	64.8-128				
Isopropylbenzene	9.70		"	10.0		97.0	75.5-135				
Methyl tert-butyl ether (MTBE)	11.6		"	10.0		116	65.1-140				
Methylene chloride	9.85		"	10.0		98.5	61.3-120				
Naphthalene	9.78		"	10.0		97.8	62.3-148				
n-Butylbenzene	9.22		"	10.0		92.2	67.2-123				
n-Propylbenzene	9.75		"	10.0		97.5	70.5-127				
o-Xylene	9.63		"	10.0		96.3	75.9-122				
p- & m- Xylenes	19.5		"	20.0		97.6	77.7-127				
p-Isopropyltoluene	9.83		"	10.0		98.3	75.6-129				
sec-Butylbenzene	9.81		"	10.0		98.1	71.5-125				
Styrene	10.5		"	10.0		105	77.8-123				
tert-Butylbenzene	9.87		"	10.0		98.7	75.9-151				
Tetrachloroethylene	9.14		"	10.0		91.4	63.6-167				
Toluene	9.08		"	10.0		90.8	77-123				
trans-1,2-Dichloroethylene	9.74		"	10.0		97.4	76.3-139				
trans-1,3-Dichloropropylene	11.6		"	10.0		116	72.5-137				
Trichloroethylene	9.19		"	10.0		91.9	77.9-130				
Trichlorofluoromethane	10.0		"	10.0		100	57.4-133				
Vinyl Chloride	9.18		"	10.0		91.8	54.9-124				
Surrogate: 1,2-Dichloroethane-d4	*10.0*		*"*	*10.0*		*100*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*10.2*		*"*	*10.0*		*102*	*63.5-145*				
Surrogate: Toluene-d8	*9.42*		*"*	*10.0*		*94.2*	*81.2-127*				

Volatile Organic Compounds by EPA SW846-8260B - 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 BH30023 - EPA 5030B

LCS Dup (BH30023-BSD1) Prepared & Analyzed: 08/01/2013

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1,1,2-Tetrachloroethane	11.0		ug/L	10.0		110	82.3-130		3.42	21.1	
1,1,1-Trichloroethane	10.6		"	10.0		106	75.6-137		1.62	19.7	
1,1,2,2-Tetrachloroethane	10.2		"	10.0		102	71.3-131		1.36	20.8	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.7		"	10.0		107	71.1-129		5.48	21.7	
1,1,2-Trichloroethane	9.86		"	10.0		98.6	74.5-129		8.82	20.3	
1,1-Dichloroethane	10.5		"	10.0		105	79.6-132		4.79	20.6	
1,1-Dichloroethylene	10.0		"	10.0		100	80.2-146		3.03	20	
1,1-Dichloropropylene	9.62		"	10.0		96.2	75-136		4.57	19.3	
1,2,3-Trichlorobenzene	9.43		"	10.0		94.3	66.1-136		1.17	21.6	
1,2,3-Trichloropropane	10.4		"	10.0		104	63-131		1.72	23.9	
1,2,4-Trichlorobenzene	9.49		"	10.0		94.9	70.6-136		2.39	21.7	
1,2,4-Trimethylbenzene	9.65		"	10.0		96.5	75.3-135		0.723	18.8	
1,2-Dibromo-3-chloropropane	10.8		"	10.0		108	58.9-140		0.464	27.7	
1,2-Dibromoethane	11.8		"	10.0		118	79-130		1.45	23	
1,2-Dichlorobenzene	9.70		"	10.0		97.0	76.1-122		0.413	19.8	
1,2-Dichloroethane	10.4		"	10.0		104	74.6-132		3.61	20.2	
1,2-Dichloropropane	10.2		"	10.0		102	76.9-129		4.73	20.7	
1,3,5-Trimethylbenzene	9.71		"	10.0		97.1	70.6-127		0.514	18.9	
1,3-Dichlorobenzene	9.71		"	10.0		97.1	77-124		1.02	19.2	
1,3-Dichloropropane	10.9		"	10.0		109	75.8-126		2.70	22.1	
1,4-Dichlorobenzene	9.58		"	10.0		95.8	76.6-125		2.27	18.6	
2,2-Dichloropropane	10.9		"	10.0		109	69-133		7.48	19.8	
2-Chlorotoluene	9.35		"	10.0		93.5	66.3-119		0.852	21.6	
2-Hexanone	11.0		"	10.0		110	70-130		0.453	30	
4-Chlorotoluene	9.77		"	10.0		97.7	69.2-127		0.409	19	
Acetone	10.6		"	10.0		106	70-130		6.03	30	
Benzene	10.3		"	10.0		103	76.2-129		5.09	19	
Bromobenzene	9.91		"	10.0		99.1	71.3-123		2.35	20.3	
Bromochloromethane	10.8		"	10.0		108	70.8-137		3.19	23.9	
Bromodichloromethane	10.8		"	10.0		108	79.7-134		1.78	21	
Bromoform	11.3		"	10.0		113	70.5-141		3.57	21.8	
Bromomethane	9.09		"	10.0		90.9	43.9-147		8.25	28.4	
Carbon tetrachloride	11.6		"	10.0		116	78.1-138		2.80	20.1	
Chlorobenzene	9.97		"	10.0		99.7	80.4-125		2.44	19.9	
Chloroethane	10.3		"	10.0		103	55.8-140		4.67	23.3	
Chloroform	10.5		"	10.0		105	76.6-133		2.70	20.3	
Chloromethane	8.70		"	10.0		87.0	48.8-115		5.43	24.5	
cis-1,2-Dichloroethylene	10.3		"	10.0		103	75.1-128		4.77	20.5	
cis-1,3-Dichloropropylene	11.8		"	10.0		118	74.5-128		2.76	19.9	
Dibromochloromethane	12.6		"	10.0		126	79.8-134		0.866	21.3	
Dibromomethane	10.6		"	10.0		106	79-130		4.52	22.4	
Dichlorodifluoromethane	10.1		"	10.0		101	47.1-101		3.21	23.9	
Ethyl Benzene	10.2		"	10.0		102	80.8-128		2.59	19.2	
Hexachlorobutadiene	9.09		"	10.0		90.9	64.8-128		4.09	20.6	
Isopropylbenzene	9.72		"	10.0		97.2	75.5-135		0.206	20	
Methyl tert-butyl ether (MTBE)	12.1		"	10.0		121	65.1-140		3.80	23.6	
Methylene chloride	10.2		"	10.0		102	61.3-120		3.88	20.4	
Naphthalene	9.82		"	10.0		98.2	62.3-148		0.408	27.1	
n-Butylbenzene	9.31		"	10.0		93.1	67.2-123		0.971	19.1	
n-Propylbenzene	9.72		"	10.0		97.2	70.5-127		0.308	23.4	
o-Xylene	9.82		"	10.0		98.2	75.9-122		1.95	19.3	

Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

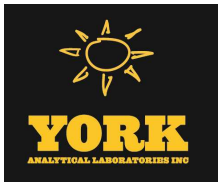
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH30023 - EPA 5030B											
LCS Dup (BH30023-BSD1)								Prepared & Analyzed: 08/01/2013			
p- & m- Xylenes	19.9		ug/L	20.0		99.3	77.7-127		1.78	18.6	
p-Isopropyltoluene	9.64		"	10.0		96.4	75.6-129		1.95	19.1	
sec-Butylbenzene	9.78		"	10.0		97.8	71.5-125		0.306	18.9	
Styrene	10.7		"	10.0		107	77.8-123		2.17	20.9	
tert-Butylbenzene	9.85		"	10.0		98.5	75.9-151		0.203	20.9	
Tetrachloroethylene	9.09		"	10.0		90.9	63.6-167		0.549	27.7	
Toluene	9.38		"	10.0		93.8	77-123		3.25	18.7	
trans-1,2-Dichloroethylene	10.1		"	10.0		101	76.3-139		3.43	19.5	
trans-1,3-Dichloropropylene	11.6		"	10.0		116	72.5-137		0.259	19.3	
Trichloroethylene	9.53		"	10.0		95.3	77.9-130		3.63	20.5	
Trichlorofluoromethane	10.4		"	10.0		104	57.4-133		3.24	21.4	
Vinyl Chloride	9.75		"	10.0		97.5	54.9-124		6.02	22.3	
Surrogate: 1,2-Dichloroethane-d4	*10.1*		*"*	*10.0*		*101*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*9.82*		*"*	*10.0*		*98.2*	*63.5-145*				
Surrogate: Toluene-d8	*9.34*		*"*	*10.0*		*93.4*	*81.2-127*				
Matrix Spike (BH30023-MS1)	*Source sample: 13G1044-01 (GWQ072913:1050NP1-1-2)							Prepared & Analyzed: 08/01/2013			
1,1,1,2-Tetrachloroethane	11.5		ug/L	10.0	ND	115	82-138				
1,1,1-Trichloroethane	11.1		"	10.0	ND	111	85.7-133				
1,1,2,2-Tetrachloroethane	10.4		"	10.0	ND	104	78.6-136				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.0		"	10.0	ND	110	74.8-131				
1,1,2-Trichloroethane	11.3		"	10.0	ND	113	82.5-129				
1,1-Dichloroethane	10.9		"	10.0	ND	109	81.4-137				
1,1-Dichloroethylene	10.6		"	10.0	ND	106	90-138				
1,1-Dichloropropylene	9.81		"	10.0	ND	98.1	91.7-131				
1,2,3-Trichlorobenzene	9.79		"	10.0	ND	97.9	75.9-130				
1,2,3-Trichloropropane	10.0		"	10.0	ND	100	77.1-140				
1,2,4-Trichlorobenzene	9.83		"	10.0	ND	98.3	69.8-135				
1,2,4-Trimethylbenzene	9.60		"	10.0	ND	96.0	79.4-131				
1,2-Dibromo-3-chloropropane	10.8		"	10.0	ND	108	66.6-143				
1,2-Dibromoethane	11.6		"	10.0	ND	116	79.8-136				
1,2-Dichlorobenzene	9.91		"	10.0	ND	99.1	79.9-130				
1,2-Dichloroethane	11.0		"	10.0	ND	110	85-133				
1,2-Dichloropropane	10.8		"	10.0	ND	108	81.1-132				
1,3,5-Trimethylbenzene	9.62		"	10.0	ND	96.2	76.1-121				
1,3-Dichlorobenzene	9.74		"	10.0	ND	97.4	79.1-124				
1,3-Dichloropropane	11.6		"	10.0	ND	116	83.3-130				
1,4-Dichlorobenzene	9.80		"	10.0	ND	98.0	79.4-128				
2,2-Dichloropropane	10.8		"	10.0	ND	108	54.2-126				
2-Chlorotoluene	9.41		"	10.0	ND	94.1	60.2-144				
2-Hexanone	10.9		"	10.0	ND	109	70-130				
4-Chlorotoluene	9.83		"	10.0	ND	98.3	79.8-128				
Acetone	10.7		"	10.0	0.400	103	70-130				
Benzene	10.6		"	10.0	ND	106	74.1-134				
Bromobenzene	9.68		"	10.0	ND	96.8	76.6-125				
Bromochloromethane	11.0		"	10.0	ND	110	85-133				
Bromodichloromethane	11.8		"	10.0	ND	118	80.8-143				
Bromoform	10.2		"	10.0	ND	102	65.8-164				
Bromomethane	6.97		"	10.0	ND	69.7	68.7-112				
Carbon tetrachloride	12.0		"	10.0	ND	120	85.7-138				
Chlorobenzene	10.6		"	10.0	ND	106	79.9-129				
Chloroethane	10.4		"	10.0	ND	104	74.7-127				

Volatile Organic Compounds by EPA SW846-8260B - 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 BH30023 - EPA 5030B											
Matrix Spike (BH30023-MS1)	*Source sample: 13G1044-01 (GWQ072913:1050NP1-1-2)						Prepared & Analyzed: 08/01/2013				
Chloroform	10.7		ug/L	10.0	ND	107	50.6-145				
Chloromethane	9.25		"	10.0	ND	92.5	64-111				
cis-1,2-Dichloroethylene	11.0		"	10.0	0.610	103	75.5-129				
cis-1,3-Dichloropropylene	11.9		"	10.0	ND	119	74.3-128				
Dibromochloromethane	12.6		"	10.0	ND	126	76.8-150				
Dibromomethane	11.2		"	10.0	ND	112	83.3-140				
Dichlorodifluoromethane	9.24		"	10.0	ND	92.4	51-100				
Ethyl Benzene	10.9		"	10.0	ND	109	82.9-127				
Hexachlorobutadiene	9.84		"	10.0	ND	98.4	73-128				
Isopropylbenzene	9.56		"	10.0	ND	95.6	78.7-131				
Methyl tert-butyl ether (MTBE)	9.86		"	10.0	ND	98.6	81.2-134				
Methylene chloride	11.1		"	10.0	ND	111	57.8-103	High Bias			
Naphthalene	9.93		"	10.0	ND	99.3	80.1-122				
n-Butylbenzene	9.68		"	10.0	ND	96.8	72.4-120				
n-Propylbenzene	9.77		"	10.0	ND	97.7	74-130				
o-Xylene	10.6		"	10.0	ND	106	78.8-122				
p- & m- Xylenes	21.6		"	20.0	ND	108	82.5-123				
p-Isopropyltoluene	9.92		"	10.0	ND	99.2	64.9-132				
sec-Butylbenzene	10.1		"	10.0	ND	101	25.4-151				
Styrene	11.2		"	10.0	ND	112	74.1-134				
tert-Butylbenzene	9.98		"	10.0	ND	99.8	79.5-171				
Tetrachloroethylene	10.5		"	10.0	0.930	95.7	72.5-130				
Toluene	10.0		"	10.0	ND	100	77.8-121				
trans-1,2-Dichloroethylene	10.6		"	10.0	ND	106	83.8-140				
trans-1,3-Dichloropropylene	11.8		"	10.0	ND	118	74.9-136				
Trichloroethylene	10.9		"	10.0	0.540	104	84.4-125				
Trichlorofluoromethane	10.7		"	10.0	ND	107	78.7-127				
Vinyl Chloride	10.4		"	10.0	ND	104	72.1-116				
Surrogate: 1,2-Dichloroethane-d4	*10.6*		*"*	*10.0*		*106*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*9.40*		*"*	*10.0*		*94.0*	*63.5-145*				
Surrogate: Toluene-d8	*9.65*		*"*	*10.0*		*96.5*	*81.2-127*				



Volatile Organic Compounds by EPA SW846-8260B - 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 BH30023 - EPA 5030B											
Matrix Spike Dup (BH30023-MSD1)	*Source sample: 13G1044-01 (GWQ072913:1050NP1-1-2)								Prepared & Analyzed: 08/01/2013		
1,1,1,2-Tetrachloroethane	11.2		ug/L	10.0	ND	112	82-138		2.38	21.3	
1,1,1-Trichloroethane	11.5		"	10.0	ND	115	85.7-133		3.81	22.6	
1,1,2,2-Tetrachloroethane	10.2		"	10.0	ND	102	78.6-136		1.65	23.1	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.9		"	10.0	ND	109	74.8-131		1.00	25.6	
1,1,2-Trichloroethane	11.8		"	10.0	ND	118	82.5-129		3.72	19.3	
1,1-Dichloroethane	10.7		"	10.0	ND	107	81.4-137		1.95	20.7	
1,1-Dichloroethylene	10.6		"	10.0	ND	106	90-138		0.00	22.9	
1,1-Dichloropropylene	9.95		"	10.0	ND	99.5	91.7-131		1.42	24.9	
1,2,3-Trichlorobenzene	9.27		"	10.0	ND	92.7	75.9-130		5.46	21.4	
1,2,3-Trichloropropane	9.52		"	10.0	ND	95.2	77.1-140		5.02	28	
1,2,4-Trichlorobenzene	9.34		"	10.0	ND	93.4	69.8-135		5.11	22.5	
1,2,4-Trimethylbenzene	9.26		"	10.0	ND	92.6	79.4-131		3.61	33.9	
1,2-Dibromo-3-chloropropane	10.4		"	10.0	ND	104	66.6-143		3.79	23.3	
1,2-Dibromoethane	11.9		"	10.0	ND	119	79.8-136		2.47	19.1	
1,2-Dichlorobenzene	9.47		"	10.0	ND	94.7	79.9-130		4.54	23.2	
1,2-Dichloroethane	11.2		"	10.0	ND	112	85-133		1.08	19.1	
1,2-Dichloropropane	10.1		"	10.0	ND	101	81.1-132		6.52	19.9	
1,3,5-Trimethylbenzene	9.10		"	10.0	ND	91.0	76.1-121		5.56	31.2	
1,3-Dichlorobenzene	9.52		"	10.0	ND	95.2	79.1-124		2.28	22.6	
1,3-Dichloropropane	11.3		"	10.0	ND	113	83.3-130		1.92	20.9	
1,4-Dichlorobenzene	9.50		"	10.0	ND	95.0	79.4-128		3.11	21	
2,2-Dichloropropane	12.0		"	10.0	ND	120	54.2-126		10.9	24.5	
2-Chlorotoluene	8.97		"	10.0	ND	89.7	60.2-144		4.79	30.8	
2-Hexanone	11.3		"	10.0	ND	113	70-130		3.77	30	
4-Chlorotoluene	9.37		"	10.0	ND	93.7	79.8-128		4.79	23.2	
Acetone	10.7		"	10.0	0.400	103	70-130		0.280	30	
Benzene	10.5		"	10.0	ND	105	74.1-134		1.14	20.8	
Bromobenzene	9.29		"	10.0	ND	92.9	76.6-125		4.11	23	
Bromochloromethane	11.0		"	10.0	ND	110	85-133		0.274	18.4	
Bromodichloromethane	10.9		"	10.0	ND	109	80.8-143		7.76	18.1	
Bromoform	11.3		"	10.0	ND	113	65.8-164		9.96	27.3	
Bromomethane	7.77		"	10.0	ND	77.7	68.7-112		10.9	22.8	
Carbon tetrachloride	12.3		"	10.0	ND	123	85.7-138		2.39	25.1	
Chlorobenzene	9.98		"	10.0	ND	99.8	79.9-129		5.74	21	
Chloroethane	9.86		"	10.0	ND	98.6	74.7-127		5.52	23.7	
Chloroform	10.9		"	10.0	ND	109	50.6-145		2.22	21.7	
Chloromethane	9.49		"	10.0	ND	94.9	64-111		2.56	21.4	
cis-1,2-Dichloroethylene	10.9		"	10.0	0.610	102	75.5-129		0.825	20.2	
cis-1,3-Dichloropropylene	13.2		"	10.0	ND	132	74.3-128	High Bias	9.89	19.8	
Dibromochloromethane	13.4		"	10.0	ND	134	76.8-150		6.77	20.8	
Dibromomethane	10.6		"	10.0	ND	106	83.3-140		5.88	20.4	
Dichlorodifluoromethane	10.2		"	10.0	ND	102	51-100	High Bias	10.3	27.6	
Ethyl Benzene	10.4		"	10.0	ND	104	82.9-127		5.07	21.4	
Hexachlorobutadiene	9.30		"	10.0	ND	93.0	73-128		5.64	26	
Isopropylbenzene	9.12		"	10.0	ND	91.2	78.7-131		4.71	26.7	
Methyl tert-butyl ether (MTBE)	9.96		"	10.0	ND	99.6	81.2-134		1.01	21.2	
Methylene chloride	10.5		"	10.0	ND	105	57.8-103	High Bias	5.29	21.2	
Naphthalene	9.63		"	10.0	ND	96.3	80.1-122		3.07	26.1	
n-Butylbenzene	9.17		"	10.0	ND	91.7	72.4-120		5.41	30.8	
n-Propylbenzene	9.22		"	10.0	ND	92.2	74-130		5.79	31	
o-Xylene	10.0		"	10.0	ND	100	78.8-122		5.15	21	

Volatile Organic Compounds by EPA SW846-8260B - 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 BH30023 - EPA 5030B											
Matrix Spike Dup (BH30023-MSD1)	*Source sample: 13G1044-01 (GWQ072913:1050NP1-1-2)							Prepared & Analyzed: 08/01/2013			
p- & m- Xylenes	20.6		ug/L	20.0	ND	103	82.5-123		4.88	22.5	
p-Isopropyltoluene	9.52		"	10.0	ND	95.2	64.9-132		4.12	25.2	
sec-Butylbenzene	9.56		"	10.0	ND	95.6	25.4-151		5.59	25.2	
Styrene	10.7		"	10.0	ND	107	74.1-134		4.03	20	
tert-Butylbenzene	9.47		"	10.0	ND	94.7	79.5-171		5.24	24.8	
Tetrachloroethylene	10.2		"	10.0	0.930	92.6	72.5-130		3.00	22.7	
Toluene	10.8		"	10.0	ND	108	77.8-121		8.06	21.5	
trans-1,2-Dichloroethylene	10.6		"	10.0	ND	106	83.8-140		0.377	20.1	
trans-1,3-Dichloropropylene	13.1		"	10.0	ND	131	74.9-136		10.2	22.5	
Trichloroethylene	10.1		"	10.0	0.540	96.0	84.4-125		7.50	20.7	
Trichlorofluoromethane	11.1		"	10.0	ND	111	78.7-127		4.03	24.7	
Vinyl Chloride	10.1		"	10.0	ND	101	72.1-116		3.70	24.9	
Surrogate: 1,2-Dichloroethane-d4	*11.0*		*"*	*10.0*		*110*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*9.23*		*"*	*10.0*		*92.3*	*63.5-145*				
Surrogate: Toluene-d8	*10.6*		*"*	*10.0*		*106*	*81.2-127*				

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
13G1044-01	GWQ072913:1050NP1-1-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13G1044-02	GWQ072913:1100NP1-1-4	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13G1044-03	GWQ072913:1110NP1-1-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13G1044-04	GWQ072913:1120NP1-1-7	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Notes and Definitions

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

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.

ND Analyte NOT DETECTED at the stated Reporting Limit (RL) or above.

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

MDL METHOD DETECTION LIMIT - the minimum concentration that can be measured and reported with a 99% confidence that the concentration is greater than zero. If requested or required, a value reported below the RL and above the MDL is considered estimated and is noted with a "J" flag.

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 MDL, with values between the MDL and the RL being "J" flagged as estimated results.

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 unless superseded by written contract.

York Project No. 13G1044

Client Information	Report to:	Invoice To:	Client Project ID	Turn-Around Time	Report Type/Deliverables
Company: LBG	SAME ☐	SAME ☐	Rowe Industries	RUSH Same Day ___	Summary x, pdf
Address: 4 Research Drive, Suite 301, Shelton CT, 06484	Name: Tunde Sandor	Name: Mark Goldberg		RUSH Next Day ___	QA/QC Summary x, pdf
Phone no.: 203-929-8555	Company: Same	Company: Same		RUSH Two Day ___	CT RCP Pkg ___
Contact Person Tunde Sandor	Address: ___	Address: ___	Purchase Order no. NABSAG	RUSH Three Day ___	ASP A Pkg ___
E-mail Addr.: Tsandor@lbgct.com	E-mail: ___	E-mail ___		RUSH Four Day ___	ASP B Pkg x, pdf
FAX No.: 203-926-9140	Fax No.: ___	Fax No.: ___	Samples from: CT__ NY__ NJ__	Standard (5-7 days) X	Excel ___
				OTHER ___	EDD x, Excel

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)

STEPHEN HNAT
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	Miscellaneous Parameters		
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.	Corrosivity	Nitrate	Color
624	Site Spec.	STARS	8081Pest	PP13	TPH DRO	TCL Organics	Reactivity	Nitrite	Phenols
STARS	SPLP or TCLP	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN	Ignitability	TKN	Cyanide-T
BTEX	Benzene	Acids Only	CT RCP	CT15	NY 310-13	Full TCLP	Flash Point	Tot. Nitrogen	Cyanide-A
MTBE	Nassau Co.	PAH	App. IX	Total	TPH 418.1	Full App. IX	Sieve Anal.	Ammonia-N	BOD5
TCL list	Suffolk Co.	TAGM	Site Spec.	Dissolved	Air TO14A	Part360-Routine	Heterotrophs	Chloride	CBOD5
TAGM	Ketones	CT RCP	SPLP or TCLP	SPLP or TCLP	Air TO15	Part360-Baseline	TOX	Phosphate	BOD28
CT RCP	Oxygenates	TCL list	TCLP Pest	Indiv. Metals	Air STARS	Part 360 Expanded No Dioxins/Furans	BTU/lb.	Tot. Phos.	COD
Arom.	TCLP list	TICs	TCLP Herb	Hg, Pb, As, Cd	Air VPH	Part 360 Expanded Full List	Aquatic Tox.	Oil&Grease	TSS
Halog.	524.2	App. IX	Chlordane	Cr, Ni, Be, Fe	Air TICs	NYCDEP Sewer	TOC	F.O.G.	Total Solids
App.IX	502.2	SPLP or TCLP	608 Pest	Se, Tl, Sb, Cu,	Methane	NYSDEC Sewer	Asbestos	pH	TDS
8021B list	5035	TCLP BNA	608 PCB	Na, Mn, Au, etc	Helium	TAGM	Silica	MBAS	TPH - IR

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
GWQ072913:1050NP1-1-2	7/29/13 1050	GW	VOC 8260 full list (EPA SW846-8260B)	3V
GWQ072913:1050NP1-1-2MS	1050	GW	VOC 8260 full list (EPA SW846-8260B)	3V
GWQ072913:1050NP1-1-2MSD	1050	GW	VOC 8260 full list (EPA SW846-8260B)	3V
GWQ072913:1100NP1-1-4	1100	GW	VOC 8260 full list (EPA SW846-8260B)	3V
GWQ072913:1110NP1-1-6	1110	GW	VOC 8260 full list (EPA SW846-8260B)	3V
GWQ072913:1120NP1-1-7	1120	GW	VOC 8260 full list (EPA SW846-8260B)	3V
		~~GW~~	~~VOC 8260 full list (EPA SW846-8260B)~~	
		~~GW~~	~~VOC 8260 full list (EPA SW846-8260B)~~	

Comments

Preservation "X" those applicable

Cool 4°C ___ HNO3 ___ H2SO4 ___ NaOH ___ NONE ___ FROZEN ___

Samples Relinquished By: [signature] Date/Time: 7/30/13 1455

Samples Received By: [signature] Date/Time: 7/30/13 1455

Samples Relinquished By: ___ Date/Time: ___

Samples Received in LAB by: [signature] Date/Time: 7/30/13 -1630

Temperature on Receipt: 4.3 °C

APPENDIX III

JULY 2013 LABORATORY ANALYTICAL REPORTS FOR AIR SAMPLES

Technical Report

prepared for:

Leggette Brashears & Graham Shelton Office
4 Research Drive, Suite 301
Shelton CT, 06484
Attention: Tunde Komuves-Sandor

Report Date: 08/06/2013
Client Project ID: Rowe Industries
York Project (SDG) No.: 13G1045

Report Date: 08/06/2013
Client Project ID: Rowe Industries
York Project (SDG) No.: 13G1045

Leggette Brashears & Graham Shelton Office
4 Research Drive, Suite 301
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 July 30, 2013 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 Notes 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 attachment to 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
13G1045-01	AQ072913:1300NP4-1	Vapor Extraction	07/29/2013	07/30/2013
13G1045-02	AQ072913:1305NP4-2	Vapor Extraction	07/29/2013	07/30/2013
13G1045-03	AQ072913:1310NP4-3	Vapor Extraction	07/29/2013	07/30/2013

General Notes for York Project (SDG) No.: 13G1045

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 samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By: 

Date: 08/06/2013

Benjamin Gulizia
Laboratory Director

YORK

Sample Information

Client Sample ID: AQ072913:1300NP4-1 **York Sample ID:** 13G1045-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13G1045	Rowe Industries	Vapor Extraction	July 29, 2013 1:00 pm	07/30/2013

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m³	4.4	4.4	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:06	RB
108-05-4	Vinyl acetate	ND		ug/m³	6.0	6.0	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:06	RB
79-01-6	Trichloroethylene	**9.2**		ug/m³	4.6	4.6	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:06	RB
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	7.8	7.8	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:06	RB
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	6.8	6.8	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:06	RB
108-88-3	Toluene	ND		ug/m³	6.4	6.4	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:06	RB
109-99-9	Tetrahydrofuran	ND		ug/m³	5.0	5.0	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:06	RB
127-18-4	Tetrachloroethylene	**24**		ug/m³	12	12	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:06	RB
100-42-5	Styrene	ND		ug/m³	7.3	7.3	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:06	RB
115-07-01	Propylene	ND		ug/m³	2.9	2.9	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:06	RB
622-96-8	p-Ethyltoluene	ND		ug/m³	42	42	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:06	RB
179601-23-1	p- & m- Xylenes	ND		ug/m³	15	15	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:06	RB
95-47-6	o-Xylene	ND		ug/m³	7.4	7.4	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:06	RB
110-54-3	n-Hexane	ND		ug/m³	6.0	6.0	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:06	RB
142-82-5	n-Heptane	ND		ug/m³	7.0	7.0	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:06	RB
75-09-2	Methylene chloride	ND		ug/m³	5.9	5.9	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:06	RB
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	6.1	6.1	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:06	RB
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	7.0	7.0	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:06	RB
67-63-0	Isopropanol	ND		ug/m³	4.2	4.2	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:06	RB
87-68-3	Hexachlorobutadiene	ND		ug/m³	18	18	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:06	RB
100-41-4	Ethyl Benzene	ND		ug/m³	7.4	7.4	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:06	RB
141-78-6	Ethyl acetate	ND		ug/m³	6.2	6.2	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:06	RB
110-82-7	Cyclohexane	ND		ug/m³	5.9	5.9	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:06	RB
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	7.8	7.8	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:06	RB
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	6.8	6.8	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:06	RB
74-87-3	Chloromethane	ND		ug/m³	3.5	3.5	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:06	RB
67-66-3	Chloroform	**9.2**		ug/m³	8.3	8.3	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:06	RB
75-00-3	Chloroethane	ND		ug/m³	4.5	4.5	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:06	RB
56-23-5	Carbon tetrachloride	ND		ug/m³	5.4	5.4	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:06	RB
75-15-0	Carbon disulfide	ND		ug/m³	5.3	5.3	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:06	RB
74-83-9	Bromomethane	ND		ug/m³	6.6	6.6	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:06	RB
75-25-2	Bromoform	ND		ug/m³	18	18	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:06	RB

Sample Information

Client Sample ID: AQ072913:1300NP4-1 **York Sample ID:** 13G1045-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13G1045	Rowe Industries	Vapor Extraction	July 29, 2013 1:00 pm	07/30/2013

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-27-4	Bromodichloromethane	ND		ug/m³	11	11	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:06	RB
100-44-7	Benzyl chloride	ND		ug/m³	8.8	8.8	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:06	RB
71-43-2	Benzene	ND		ug/m³	5.5	5.5	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:06	RB
67-64-1	Acetone	**6.1**	B	ug/m³	4.1	4.1	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:06	RB
591-78-6	2-Hexanone	ND		ug/m³	7.0	7.0	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:06	RB
78-93-3	2-Butanone	ND		ug/m³	5.0	5.0	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:06	RB
123-91-1	1,4-Dioxane	ND		ug/m³	6.2	6.2	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:06	RB
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	10	10	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:06	RB
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	10	10	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:06	RB
106-99-0	1,3-Butadiene	ND		ug/m³	7.4	7.4	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:06	RB
108-67-8	1,3,5-Trimethylbenzene	**17**		ug/m³	8.4	8.4	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:06	RB
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	12	12	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:06	RB
78-87-5	1,2-Dichloropropane	ND		ug/m³	7.9	7.9	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:06	RB
107-06-2	1,2-Dichloroethane	ND		ug/m³	6.9	6.9	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:06	RB
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	10	10	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:06	RB
95-63-6	1,2,4-Trimethylbenzene	**20**		ug/m³	8.4	8.4	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:06	RB
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	13	13	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:06	RB
75-35-4	1,1-Dichloroethylene	ND		ug/m³	6.8	6.8	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:06	RB
75-34-3	1,1-Dichloroethane	ND		ug/m³	6.9	6.9	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:06	RB
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m³	9.6	9.6	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:06	RB
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	9.3	9.3	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:06	RB
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/m³	13	13	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:06	RB
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	12	12	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:06	RB
71-55-6	1,1,1-Trichloroethane	**10**		ug/m³	9.3	9.3	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:06	RB
75-71-8	Dichlorodifluoromethane	ND		ug/m³	8.4	8.4	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:06	RB
106-93-4	1,2-Dibromoethane	ND		ug/m³	13	13	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:06	RB
124-48-1	Dibromochloromethane	ND		ug/m³	14	14	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:06	RB
80-62-6	Methyl Methacrylate	ND		ug/m³	7.0	7.0	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:06	RB
108-90-7	Chlorobenzene	ND		ug/m³	7.9	7.9	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:06	RB

	Surrogate Recoveries	Result	Acceptance Range
460-00-4	*Surrogate: p-Bromofluorobenzene*	*98.0 %*	*70-130*

Sample Information

Client Sample ID: AQ072913:1305NP4-2 **York Sample ID:** 13G1045-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13G1045	Rowe Industries	Vapor Extraction	July 29, 2013 1:05 pm	07/30/2013

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m³	4.4	4.4	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:50	RB
108-05-4	Vinyl acetate	ND		ug/m³	6.0	6.0	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:50	RB
79-01-6	Trichloroethylene	ND		ug/m³	4.6	4.6	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:50	RB
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	7.8	7.8	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:50	RB
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	6.8	6.8	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:50	RB
108-88-3	Toluene	ND		ug/m³	6.4	6.4	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:50	RB
109-99-9	Tetrahydrofuran	ND		ug/m³	5.0	5.0	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:50	RB
127-18-4	Tetrachloroethylene	**54**		ug/m³	12	12	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:50	RB
100-42-5	Styrene	ND		ug/m³	7.3	7.3	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:50	RB
115-07-01	Propylene	ND		ug/m³	2.9	2.9	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:50	RB
622-96-8	p-Ethyltoluene	ND		ug/m³	42	42	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:50	RB
179601-23-1	p- & m- Xylenes	ND		ug/m³	15	15	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:50	RB
95-47-6	o-Xylene	ND		ug/m³	7.4	7.4	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:50	RB
110-54-3	n-Hexane	ND		ug/m³	6.0	6.0	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:50	RB
142-82-5	n-Heptane	ND		ug/m³	7.0	7.0	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:50	RB
75-09-2	Methylene chloride	ND		ug/m³	5.9	5.9	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:50	RB
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	6.1	6.1	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:50	RB
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	7.0	7.0	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:50	RB
67-63-0	Isopropanol	ND		ug/m³	4.2	4.2	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:50	RB
87-68-3	Hexachlorobutadiene	ND		ug/m³	18	18	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:50	RB
100-41-4	Ethyl Benzene	ND		ug/m³	7.4	7.4	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:50	RB
141-78-6	Ethyl acetate	ND		ug/m³	6.2	6.2	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:50	RB
110-82-7	Cyclohexane	ND		ug/m³	5.9	5.9	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:50	RB
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	7.8	7.8	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:50	RB
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	6.8	6.8	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:50	RB
74-87-3	Chloromethane	ND		ug/m³	3.5	3.5	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:50	RB
67-66-3	Chloroform	ND		ug/m³	8.3	8.3	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:50	RB
75-00-3	Chloroethane	ND		ug/m³	4.5	4.5	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:50	RB
56-23-5	Carbon tetrachloride	ND		ug/m³	5.4	5.4	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:50	RB
75-15-0	Carbon disulfide	ND		ug/m³	5.3	5.3	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:50	RB
74-83-9	Bromomethane	ND		ug/m³	6.6	6.6	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:50	RB
75-25-2	Bromoform	ND		ug/m³	18	18	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:50	RB

Sample Information

Client Sample ID: AQ072913:1305NP4-2 **York Sample ID:** 13G1045-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13G1045	Rowe Industries	Vapor Extraction	July 29, 2013 1:05 pm	07/30/2013

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-27-4	Bromodichloromethane	ND		ug/m³	11	11	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:50	RB
100-44-7	Benzyl chloride	ND		ug/m³	8.8	8.8	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:50	RB
71-43-2	Benzene	ND		ug/m³	5.5	5.5	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:50	RB
67-64-1	Acetone	**7.7**	B	ug/m³	4.1	4.1	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:50	RB
591-78-6	2-Hexanone	ND		ug/m³	7.0	7.0	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:50	RB
78-93-3	2-Butanone	ND		ug/m³	5.0	5.0	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:50	RB
123-91-1	1,4-Dioxane	ND		ug/m³	6.2	6.2	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:50	RB
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	10	10	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:50	RB
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	10	10	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:50	RB
106-99-0	1,3-Butadiene	ND		ug/m³	7.4	7.4	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:50	RB
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	8.4	8.4	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:50	RB
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	12	12	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:50	RB
78-87-5	1,2-Dichloropropane	ND		ug/m³	7.9	7.9	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:50	RB
107-06-2	1,2-Dichloroethane	ND		ug/m³	6.9	6.9	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:50	RB
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	10	10	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:50	RB
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	8.4	8.4	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:50	RB
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	13	13	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:50	RB
75-35-4	1,1-Dichloroethylene	ND		ug/m³	6.8	6.8	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:50	RB
75-34-3	1,1-Dichloroethane	ND		ug/m³	6.9	6.9	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:50	RB
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m³	9.6	9.6	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:50	RB
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	9.3	9.3	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:50	RB
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/m³	13	13	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:50	RB
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	12	12	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:50	RB
71-55-6	1,1,1-Trichloroethane	**10**		ug/m³	9.3	9.3	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:50	RB
75-71-8	Dichlorodifluoromethane	ND		ug/m³	8.4	8.4	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:50	RB
106-93-4	1,2-Dibromoethane	ND		ug/m³	13	13	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:50	RB
124-48-1	Dibromochloromethane	ND		ug/m³	14	14	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:50	RB
80-62-6	Methyl Methacrylate	ND		ug/m³	7.0	7.0	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:50	RB
108-90-7	Chlorobenzene	ND		ug/m³	7.9	7.9	16.8	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 13:50	RB

	Surrogate Recoveries	Result	Acceptance Range
460-00-4	*Surrogate: p-Bromofluorobenzene*	*97.2 %*	*70-130*

Sample Information

Client Sample ID: AQ072913:1310NP4-3 **York Sample ID:** 13G1045-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13G1045	Rowe Industries	Vapor Extraction	July 29, 2013 1:10 pm	07/30/2013

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m³	4.5	4.5	17.2	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 14:35	RB
108-05-4	Vinyl acetate	ND		ug/m³	6.2	6.2	17.2	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 14:35	RB
79-01-6	Trichloroethylene	ND		ug/m³	4.7	4.7	17.2	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 14:35	RB
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	7.9	7.9	17.2	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 14:35	RB
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	6.9	6.9	17.2	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 14:35	RB
108-88-3	Toluene	ND		ug/m³	6.6	6.6	17.2	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 14:35	RB
109-99-9	Tetrahydrofuran	ND		ug/m³	5.2	5.2	17.2	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 14:35	RB
127-18-4	Tetrachloroethylene	ND		ug/m³	12	12	17.2	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 14:35	RB
100-42-5	Styrene	ND		ug/m³	7.5	7.5	17.2	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 14:35	RB
115-07-01	Propylene	ND		ug/m³	3.0	3.0	17.2	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 14:35	RB
622-96-8	p-Ethyltoluene	ND		ug/m³	43	43	17.2	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 14:35	RB
179601-23-1	p- & m- Xylenes	ND		ug/m³	15	15	17.2	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 14:35	RB
95-47-6	o-Xylene	ND		ug/m³	7.6	7.6	17.2	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 14:35	RB
110-54-3	n-Hexane	ND		ug/m³	6.2	6.2	17.2	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 14:35	RB
142-82-5	n-Heptane	ND		ug/m³	7.2	7.2	17.2	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 14:35	RB
75-09-2	Methylene chloride	ND		ug/m³	6.1	6.1	17.2	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 14:35	RB
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	6.3	6.3	17.2	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 14:35	RB
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	7.2	7.2	17.2	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 14:35	RB
67-63-0	Isopropanol	ND		ug/m³	4.3	4.3	17.2	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 14:35	RB
87-68-3	Hexachlorobutadiene	ND		ug/m³	19	19	17.2	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 14:35	RB
100-41-4	Ethyl Benzene	ND		ug/m³	7.6	7.6	17.2	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 14:35	RB
141-78-6	Ethyl acetate	ND		ug/m³	6.3	6.3	17.2	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 14:35	RB
110-82-7	Cyclohexane	ND		ug/m³	6.0	6.0	17.2	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 14:35	RB
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	7.9	7.9	17.2	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 14:35	RB
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	6.9	6.9	17.2	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 14:35	RB
74-87-3	Chloromethane	ND		ug/m³	3.6	3.6	17.2	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 14:35	RB
67-66-3	Chloroform	ND		ug/m³	8.5	8.5	17.2	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 14:35	RB
75-00-3	Chloroethane	ND		ug/m³	4.6	4.6	17.2	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 14:35	RB
56-23-5	Carbon tetrachloride	ND		ug/m³	5.5	5.5	17.2	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 14:35	RB
75-15-0	Carbon disulfide	ND		ug/m³	5.4	5.4	17.2	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 14:35	RB
74-83-9	Bromomethane	ND		ug/m³	6.8	6.8	17.2	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 14:35	RB
75-25-2	Bromoform	ND		ug/m³	18	18	17.2	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 14:35	RB

Sample Information

Client Sample ID: AQ072913:1310NP4-3 **York Sample ID:** 13G1045-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13G1045	Rowe Industries	Vapor Extraction	July 29, 2013 1:10 pm	07/30/2013

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-27-4	Bromodichloromethane	ND		ug/m³	11	11	17.2	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 14:35	RB
100-44-7	Benzyl chloride	ND		ug/m³	9.1	9.1	17.2	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 14:35	RB
71-43-2	Benzene	ND		ug/m³	5.6	5.6	17.2	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 14:35	RB
67-64-1	Acetone	**6.2**	B	ug/m³	4.2	4.2	17.2	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 14:35	RB
591-78-6	2-Hexanone	ND		ug/m³	7.2	7.2	17.2	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 14:35	RB
78-93-3	2-Butanone	ND		ug/m³	5.2	5.2	17.2	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 14:35	RB
123-91-1	1,4-Dioxane	ND		ug/m³	6.3	6.3	17.2	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 14:35	RB
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	11	11	17.2	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 14:35	RB
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	11	11	17.2	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 14:35	RB
106-99-0	1,3-Butadiene	ND		ug/m³	7.6	7.6	17.2	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 14:35	RB
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	8.6	8.6	17.2	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 14:35	RB
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	12	12	17.2	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 14:35	RB
78-87-5	1,2-Dichloropropane	ND		ug/m³	8.1	8.1	17.2	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 14:35	RB
107-06-2	1,2-Dichloroethane	ND		ug/m³	7.1	7.1	17.2	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 14:35	RB
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	11	11	17.2	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 14:35	RB
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	8.6	8.6	17.2	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 14:35	RB
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	13	13	17.2	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 14:35	RB
75-35-4	1,1-Dichloroethylene	ND		ug/m³	6.9	6.9	17.2	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 14:35	RB
75-34-3	1,1-Dichloroethane	ND		ug/m³	7.1	7.1	17.2	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 14:35	RB
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m³	9.8	9.8	17.2	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 14:35	RB
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	9.5	9.5	17.2	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 14:35	RB
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/m³	13	13	17.2	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 14:35	RB
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	12	12	17.2	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 14:35	RB
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	9.5	9.5	17.2	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 14:35	RB
75-71-8	Dichlorodifluoromethane	ND		ug/m³	8.7	8.7	17.2	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 14:35	RB
106-93-4	1,2-Dibromoethane	ND		ug/m³	13	13	17.2	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 14:35	RB
124-48-1	Dibromochloromethane	ND		ug/m³	14	14	17.2	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 14:35	RB
80-62-6	Methyl Methacrylate	ND		ug/m³	7.2	7.2	17.2	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 14:35	RB
108-90-7	Chlorobenzene	ND		ug/m³	8.1	8.1	17.2	EPA Compendium TO-15	08/02/2013 10:32	08/06/2013 14:35	RB

	Surrogate Recoveries	Result	Acceptance Range
460-00-4	*Surrogate: p-Bromofluorobenzene*	*97.6 %*	*70-130*

Analytical Batch Summary

Batch ID: BH30246 **Preparation Method:** EPA TO15 PREP **Prepared By:** RQB

YORK Sample ID	Client Sample ID	Preparation Date
13G1045-01	AQ072913:1300NP4-1	08/02/13
13G1045-02	AQ072913:1305NP4-2	08/02/13
13G1045-03	AQ072913:1310NP4-3	08/02/13
BH30246-BLK1	Blank	08/06/13
BH30246-BS1	LCS	08/06/13

Volatile Organic Compounds by EPA Compendium TO14A/TO15 - 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 BH30246 - EPA TO15 PREP											
Blank (BH30246-BLK1)											Prepared & Analyzed: 08/06/2013
Vinyl Chloride	ND	0.26	ug/m³								
Vinyl acetate	ND	0.36	"								
Trichloroethylene	ND	0.27	"								
trans-1,3-Dichloropropylene	ND	0.46	"								
trans-1,2-Dichloroethylene	ND	0.40	"								
Toluene	ND	0.38	"								
Tetrahydrofuran	ND	0.30	"								
Tetrachloroethylene	ND	0.69	"								
Styrene	ND	0.43	"								
Propylene	ND	0.18	"								
p-Ethyltoluene	ND	2.5	"								
p- & m- Xylenes	ND	0.88	"								
o-Xylene	ND	0.44	"								
n-Hexane	ND	0.36	"								
n-Heptane	ND	0.42	"								
Methylene chloride	ND	0.35	"								
Methyl tert-butyl ether (MTBE)	ND	0.37	"								
4-Methyl-2-pentanone	ND	0.42	"								
Isopropanol	ND	0.25	"								
Hexachlorobutadiene	ND	1.1	"								
Ethyl Benzene	ND	0.44	"								
Ethyl acetate	ND	0.37	"								
Cyclohexane	ND	0.35	"								
cis-1,3-Dichloropropylene	ND	0.46	"								
cis-1,2-Dichloroethylene	ND	0.40	"								
Chloromethane	ND	0.21	"								
Chloroform	ND	0.50	"								
Chloroethane	ND	0.27	"								
Carbon tetrachloride	ND	0.32	"								
Carbon disulfide	ND	0.32	"								
Bromomethane	ND	0.39	"								
Bromoform	ND	1.1	"								
Bromodichloromethane	ND	0.63	"								
Benzyl chloride	ND	0.53	"								
Benzene	ND	0.32	"								
Acetone	0.48	0.24	"								
2-Hexanone	ND	0.42	"								
2-Butanone	ND	0.30	"								
1,4-Dioxane	ND	0.37	"								
1,4-Dichlorobenzene	ND	0.61	"								
1,3-Dichlorobenzene	ND	0.61	"								
1,3-Butadiene	ND	0.44	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,2-Dichlorotetrafluoroethane	ND	0.71	"								
1,2-Dichloropropane	ND	0.47	"								
1,2-Dichloroethane	ND	0.41	"								
1,2-Dichlorobenzene	ND	0.61	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.75	"								
1,1-Dichloroethylene	ND	0.40	"								
1,1-Dichloroethane	ND	0.41	"								

Volatile Organic Compounds by EPA Compendium TO14A/TO15 - 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 BH30246 - EPA TO15 PREP											
Blank (BH30246-BLK1)							Prepared & Analyzed: 08/06/2013				
Trichlorofluoromethane (Freon 11)	ND	0.57	ug/m³								
1,1,2-Trichloroethane	ND	0.55	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.78	"								
1,1,2,2-Tetrachloroethane	ND	0.70	"								
1,1,1-Trichloroethane	ND	0.55	"								
Dichlorodifluoromethane	ND	0.50	"								
1,2-Dibromoethane	ND	0.78	"								
Dibromochloromethane	ND	0.82	"								
Methyl Methacrylate	ND	0.42	"								
Chlorobenzene	ND	0.47	"								
Surrogate: p-Bromofluorobenzene	*8.90*		*ppbv*	*10.0*		*89.0*	*70-130*				
LCS (BH30246-BS1)							Prepared & Analyzed: 08/06/2013				
Vinyl Chloride	11.1		ppbv	10.5		106	70-130				
Vinyl acetate	10.7		"	10.4		103	58.1-135				
Trichloroethylene	11.1		"	10.6		105	70-130				
trans-1,3-Dichloropropylene	12.6		"	11.5		110	62-135				
trans-1,2-Dichloroethylene	11.0		"	10.3		107	58.3-130				
Toluene	12.7		"	11.0		116	64.9-126				
Tetrahydrofuran	11.0		"	10.8		102	44.6-146				
Tetrachloroethylene	11.7		"	10.8		108	70-130				
Styrene	10.8		"	10.9		99.3	66.4-132				
Propylene	11.0		"	11.5		95.3	62.4-150				
p-Ethyltoluene	10.6		"	10.4		102	73.8-146				
p- & m- Xylenes	25.8		"	21.8		118	56.6-136				
o-Xylene	10.8		"	11.0		97.9	67.8-133				
n-Hexane	13.0		"	10.9		119	59.7-130				
n-Heptane	12.8		"	10.9		117	62.3-134				
Methylene chloride	9.88		"	9.70		102	62.6-130				
Methyl tert-butyl ether (MTBE)	10.2		"	10.3		99.1	60.7-139				
4-Methyl-2-pentanone	10.3		"	10.6		96.9	64.5-158				
Isopropanol	12.7		"	10.9		117	60-150				
Hexachlorobutadiene	11.9		"	10.2		116	61.2-150				
Ethyl Benzene	12.8		"	11.0		117	68.4-125				
Ethyl acetate	12.2		"	11.0		110	40.6-150				
Cyclohexane	12.8		"	10.8		119	60.4-127				
cis-1,3-Dichloropropylene	12.9		"	10.9		119	65.5-129				
cis-1,2-Dichloroethylene	11.4		"	10.8		106	51.3-118				
Chloromethane	9.82		"	10.3		95.3	64.9-130				
Chloroform	11.3		"	11.0		102	65.1-130				
Chloroethane	10.8		"	10.3		105	52.1-131				
Carbon tetrachloride	10.1		"	10.5		96.1	70-130				
Carbon disulfide	10.7		"	10.5		102	61.8-111				
Bromomethane	10.0		"	10.5		95.4	60.1-140				
Bromoform	12.3		"	10.9		113	58.7-150				
Bromodichloromethane	10.9		"	10.6		103	65.3-127				
Benzyl chloride	10.5		"	10.8		97.5	62.5-150				
Benzene	11.8		"	10.8		109	69.5-130				
Acetone	10.2		"	11.0		92.9	55.3-133				
2-Hexanone	10.5		"	10.9		96.0	52-150				
2-Butanone	11.1		"	10.9		102	28.5-154				
1,4-Dioxane	12.4		"	10.6		117	50-150				

Volatile Organic Compounds by EPA Compendium TO14A/TO15 - 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 BH30246 - EPA TO15 PREP											
LCS (BH30246-BS1)								Prepared & Analyzed: 08/06/2013			
1,4-Dichlorobenzene	10.6		ppbv	10.9		97.4	62.5-139				
1,3-Dichlorobenzene	10.6		"	10.8		98.6	71.9-153				
1,3-Butadiene	12.0		"	10.9		110	66.7-127				
1,3,5-Trimethylbenzene	10.6		"	11.0		96.7	65-152				
1,2-Dichlorotetrafluoroethane	10.3		"	10.5		98.2	63.3-129				
1,2-Dichloropropane	11.8		"	11.0		107	21.3-152				
1,2-Dichloroethane	11.1		"	10.7		103	51.2-124				
1,2-Dichlorobenzene	10.3		"	10.7		96.5	63.7-148				
1,2,4-Trimethylbenzene	10.7		"	11.0		97.5	67.9-152				
1,2,4-Trichlorobenzene	9.54		"	10.0		95.4	58-147				
1,1-Dichloroethylene	10.2		"	9.60		106	58.1-130				
1,1-Dichloroethane	10.7		"	10.3		104	63.3-130				
Trichlorofluoromethane (Freon 11)	9.90		"	11.0		90.0	56-132				
1,1,2-Trichloroethane	11.6		"	11.0		106	66-127				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.82		"	9.20		95.9	60.2-125				
1,1,2,2-Tetrachloroethane	12.3		"	11.0		112	63.7-132				
1,1,1-Trichloroethane	10.6		"	10.5		101	58.2-126				
Dichlorodifluoromethane	9.65		"	10.2		94.6	62.8-133				
1,2-Dibromoethane	12.2		"	11.0		111	70-130				
Dibromochloromethane	11.5		"	10.7		107	70-130				
Methyl Methacrylate	1.78		"	10.7		16.6	70-130	Low Bias			
Chlorobenzene	11.5		"	11.0		105	67.6-122				
Surrogate: p-Bromofluorobenzene	*10.1*		*"*	*10.0*		*101*	*70-130*				

Notes and Definitions

B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <10x the blank value as artifact.

ND	Analyte NOT DETECTED at the stated Reporting Limit (RL) or above.
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
MDL	METHOD DETECTION LIMIT - the minimum concentration that can be measured and reported with a 99% confidence that the concentration is greater than zero. If requested or required, a value reported below the RL and above the MDL is considered estimated and is noted with a "J" flag.
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 MDL, with values between the MDL and the RL being "J" flagged as estimated results.

YORK
ANALYTICAL LABORATORIES, INC.

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

Field Chain-of-Custody Record - AIR

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 unless superseded by written contract.

York Project No. 13G1045

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

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)

Stephen Hart
Name (printed)

Air Matrix Codes

- AI - INDOOR Ambient Air
- AO- OUTDOOR Amb. Air
- AE- Vapor Extraction Well/ Process Gas/Effluent
- AS- SOIL Vapor/Sub-Slab

TO15 Volatiles and Other Gas Analyses

EPA TO-15 List	EPA TO-14A List
NYSDEC VI list	Tentatively Identified Compounds
NYSDEC STARS List	Air VPH
Project Specific List by TO-15	Helium
NJDEP Target List	Methane
CTDEP RCP Target List	OTHER

Detection Limits Required

- ≤ 1 ug/m³
- NYSDEC VI Limits (VI = vapor intrusion)
- NJDEP low level
- Routine Survey
- Other

Special Instructions

Sample Identification	Date Sampled	AIR Matrix	Canister Vacuum Before Sampling (in. Hg)	Canister Vacuum After Sampling (in. Hg)	Choose Analyses Needed from the Menu Above and Enter Below	Sampling Media
AQ072913:1300NPH-1	7/29/13 1300	AE			EPA TO-15 List.	6 Liter Summa canister ✓ Tedlar Bag
AQ072913:1305NPH-2	↓ 1305	AE			↓	6 Liter Summa canister ✓ Tedlar Bag
AQ072913:1310NPH-3	↓ 1310	AE			↓	6 Liter Summa canister ✓ Tedlar Bag
						6 Liter Summa canister Tedlar Bag
						6 Liter Summa canister Tedlar Bag
						6 Liter Summa canister Tedlar Bag
						6 Liter Summa canister Tedlar Bag
						6 Liter Summa canister Tedlar Bag
						6 Liter Summa canister Tedlar Bag
						6 Liter Summa canister Tedlar Bag

Comments: Grab samples, No regulator used

Samples Relinquished By	Date/Time	Samples Received By	Date/Time
Naureen Vaqueo	7/30/13 2:35	[signature]	7/30 1435
Samples Relinquished By	Date/Time	Samples Received in LAB by	Date/Time
		[signature]	7/30/13-1630

APPENDIX IV

JULY 2013 LABORATORY ANALYTICAL REPORTS FOR MONITOR WELLS

Technical Report

prepared for:

Leggette Brashears & Graham Shelton Office
4 Research Drive, Suite 301
Shelton CT, 06484
Attention: Tunde Komuves-Sandor

Report Date: 07/31/2013
Client Project ID: O&M Sag Harbor (Rowe Industries Site)
York Project (SDG) No.: 13G0915

Report Date: 07/31/2013
Client Project ID: O&M Sag Harbor (Rowe Industries Site)
York Project (SDG) No.: 13G0915

Leggette Brashears & Graham Shelton Office
4 Research Drive, Suite 301
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 July 25, 2013 and listed below. The project was identified as your project: **O&M Sag Harbor (Rowe Industries Site)**.

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 Notes 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 attachment to 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
13G0915-01	MW98-04	Water	07/23/2013	07/25/2013

General Notes for York Project (SDG) No.: 13G0915

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 samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By: 

Date: 07/31/2013

Benjamin Gulizia
Laboratory Director

YORK

Sample Information

Client Sample ID: MW98-04 **York Sample ID:** 13G0915-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13G0915	O&M Sag Harbor (Rowe Industries Site)	Water	July 23, 2013 10:15 am	07/25/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	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 SW846-8260B	07/29/2013 10:45	07/30/2013 04:38	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 04:38	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 04:38	SS
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 04:38	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 04:38	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 04:38	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 04:38	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 04:38	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 04:38	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 04:38	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 04:38	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 04:38	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	2.0	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 04:38	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 04:38	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 04:38	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 04:38	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 04:38	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 04:38	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 04:38	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 04:38	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 04:38	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 04:38	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 04:38	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 04:38	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 04:38	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 04:38	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 04:38	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 04:38	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 04:38	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 04:38	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 04:38	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 04:38	SS

Sample Information

Client Sample ID: MW98-04 **York Sample ID:** 13G0915-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13G0915	O&M Sag Harbor (Rowe Industries Site)	Water	July 23, 2013 10:15 am	07/25/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 04:38	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 04:38	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 04:38	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 04:38	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 04:38	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 04:38	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 04:38	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 04:38	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 04:38	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 04:38	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 04:38	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 04:38	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 04:38	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 04:38	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 04:38	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 04:38	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 04:38	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 04:38	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 04:38	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 04:38	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 04:38	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 04:38	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 04:38	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 04:38	SS
127-18-4	Tetrachloroethylene	**2.7**		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 04:38	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 04:38	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 04:38	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 04:38	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 04:38	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 04:38	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 04:38	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA SW846-8260B	07/29/2013 10:45	07/30/2013 04:38	SS

Sample Information

Client Sample ID: MW98-04 **York Sample ID:** 13G0915-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13G0915	O&M Sag Harbor (Rowe Industries Site)	Water	July 23, 2013 10:15 am	07/25/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate Recoveries	**Result**			**Acceptance Range**						
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*113 %*			*72.6-129*						
460-00-4	*Surrogate: p-Bromofluorobenzene*	*91.1 %*			*63.5-145*						
2037-26-5	*Surrogate: Toluene-d8*	*106 %*			*81.2-127*						

Analytical Batch Summary

Batch ID: BG31324 **Preparation Method:** EPA 5030B **Prepared By:** KH

YORK Sample ID	Client Sample ID	Preparation Date
13G0915-01	MW98-04	07/29/13
BG31324-BLK1	Blank	07/29/13
BG31324-BS1	LCS	07/29/13
BG31324-BSD1	LCS Dup	07/29/13

Volatile Organic Compounds by EPA SW846-8260B - 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 BG31324 - EPA 5030B											
Blank (BG31324-BLK1)											Prepared & Analyzed: 07/29/2013
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	2.0	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	2.0	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	2.0	"								
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	"								
o-Xylene	ND	0.50	"								

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG31324 - EPA 5030B											
Blank (BG31324-BLK1)								Prepared & Analyzed: 07/29/2013			
p- & m- Xylenes	ND	1.0	ug/L								
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	*10.9*		*"*	*10.0*		*109*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*9.32*		*"*	*10.0*		*93.2*	*63.5-145*				
Surrogate: Toluene-d8	*10.6*		*"*	*10.0*		*106*	*81.2-127*				
LCS (BG31324-BS1)								Prepared & Analyzed: 07/29/2013			
1,1,1,2-Tetrachloroethane	10.8		ug/L	10.0		108	82.3-130				
1,1,1-Trichloroethane	10.8		"	10.0		108	75.6-137				
1,1,2,2-Tetrachloroethane	10.2		"	10.0		102	71.3-131				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0		"	10.0		100	71.1-129				
1,1,2-Trichloroethane	10.5		"	10.0		105	74.5-129				
1,1-Dichloroethane	9.93		"	10.0		99.3	79.6-132				
1,1-Dichloroethylene	9.27		"	10.0		92.7	80.2-146				
1,1-Dichloropropylene	9.50		"	10.0		95.0	75-136				
1,2,3-Trichlorobenzene	9.58		"	10.0		95.8	66.1-136				
1,2,3-Trichloropropane	10.1		"	10.0		101	63-131				
1,2,4-Trichlorobenzene	9.66		"	10.0		96.6	70.6-136				
1,2,4-Trimethylbenzene	10.0		"	10.0		100	75.3-135				
1,2-Dibromo-3-chloropropane	10.5		"	10.0		105	58.9-140				
1,2-Dibromoethane	11.4		"	10.0		114	79-130				
1,2-Dichlorobenzene	9.62		"	10.0		96.2	76.1-122				
1,2-Dichloroethane	9.88		"	10.0		98.8	74.6-132				
1,2-Dichloropropane	9.17		"	10.0		91.7	76.9-129				
1,3,5-Trimethylbenzene	9.97		"	10.0		99.7	70.6-127				
1,3-Dichlorobenzene	9.87		"	10.0		98.7	77-124				
1,3-Dichloropropane	10.5		"	10.0		105	75.8-126				
1,4-Dichlorobenzene	9.89		"	10.0		98.9	76.6-125				
2,2-Dichloropropane	11.0		"	10.0		110	69-133				
2-Chlorotoluene	9.60		"	10.0		96.0	66.3-119				
2-Hexanone	10.7		"	10.0		107	70-130				
4-Chlorotoluene	9.90		"	10.0		99.0	69.2-127				
Acetone	9.04		"	10.0		90.4	70-130				
Benzene	9.64		"	10.0		96.4	76.2-129				
Bromobenzene	9.88		"	10.0		98.8	71.3-123				
Bromochloromethane	9.80		"	10.0		98.0	70.8-137				
Bromodichloromethane	10.1		"	10.0		101	79.7-134				
Bromoform	11.8		"	10.0		118	70.5-141				
Bromomethane	7.90		"	10.0		79.0	43.9-147				
Carbon tetrachloride	12.0		"	10.0		120	78.1-138				
Chlorobenzene	9.73		"	10.0		97.3	80.4-125				

Volatile Organic Compounds by EPA SW846-8260B - 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 BG31324 - EPA 5030B											
LCS (BG31324-BS1)								Prepared & Analyzed: 07/29/2013			
Chloroethane	9.00		ug/L	10.0		90.0	55.8-140				
Chloroform	10.1		"	10.0		101	76.6-133				
Chloromethane	7.86		"	10.0		78.6	48.8-115				
cis-1,2-Dichloroethylene	9.69		"	10.0		96.9	75.1-128				
cis-1,3-Dichloropropylene	10.5		"	10.0		105	74.5-128				
Dibromochloromethane	12.5		"	10.0		125	79.8-134				
Dibromomethane	9.76		"	10.0		97.6	79-130				
Dichlorodifluoromethane	7.83		"	10.0		78.3	47.1-101				
Ethyl Benzene	10.2		"	10.0		102	80.8-128				
Hexachlorobutadiene	10.1		"	10.0		101	64.8-128				
Isopropylbenzene	10.0		"	10.0		100	75.5-135				
Methyl tert-butyl ether (MTBE)	9.76		"	10.0		97.6	65.1-140				
Methylene chloride	9.30		"	10.0		93.0	61.3-120				
Naphthalene	9.89		"	10.0		98.9	62.3-148				
n-Butylbenzene	9.58		"	10.0		95.8	67.2-123				
n-Propylbenzene	9.84		"	10.0		98.4	70.5-127				
o-Xylene	9.58		"	10.0		95.8	75.9-122				
p- & m- Xylenes	19.8		"	20.0		99.2	77.7-127				
p-Isopropyltoluene	10.2		"	10.0		102	75.6-129				
sec-Butylbenzene	10.2		"	10.0		102	71.5-125				
Styrene	10.2		"	10.0		102	77.8-123				
tert-Butylbenzene	10.4		"	10.0		104	75.9-151				
Tetrachloroethylene	9.67		"	10.0		96.7	63.6-167				
Toluene	10.4		"	10.0		104	77-123				
trans-1,2-Dichloroethylene	9.45		"	10.0		94.5	76.3-139				
trans-1,3-Dichloropropylene	12.1		"	10.0		121	72.5-137				
Trichloroethylene	9.36		"	10.0		93.6	77.9-130				
Trichlorofluoromethane	10.0		"	10.0		100	57.4-133				
Vinyl Chloride	8.66		"	10.0		86.6	54.9-124				
Surrogate: 1,2-Dichloroethane-d4	*10.0*		*"*	*10.0*		*100*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*10.3*		*"*	*10.0*		*103*	*63.5-145*				
Surrogate: Toluene-d8	*9.95*		*"*	*10.0*		*99.5*	*81.2-127*				

Volatile Organic Compounds by EPA SW846-8260B - 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 BG31324 - EPA 5030B											
LCS Dup (BG31324-BSD1)							Prepared & Analyzed: 07/29/2013				
1,1,1,2-Tetrachloroethane	10.8		ug/L	10.0		108	82.3-130		0.647	21.1	
1,1,1-Trichloroethane	11.0		"	10.0		110	75.6-137		2.20	19.7	
1,1,2,2-Tetrachloroethane	9.97		"	10.0		99.7	71.3-131		1.79	20.8	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.82		"	10.0		98.2	71.1-129		2.02	21.7	
1,1,2-Trichloroethane	10.7		"	10.0		107	74.5-129		1.51	20.3	
1,1-Dichloroethane	9.83		"	10.0		98.3	79.6-132		1.01	20.6	
1,1-Dichloroethylene	9.29		"	10.0		92.9	80.2-146		0.216	20	
1,1-Dichloropropylene	9.43		"	10.0		94.3	75-136		0.740	19.3	
1,2,3-Trichlorobenzene	9.95		"	10.0		99.5	66.1-136		3.79	21.6	
1,2,3-Trichloropropane	10.3		"	10.0		103	63-131		2.07	23.9	
1,2,4-Trichlorobenzene	9.85		"	10.0		98.5	70.6-136		1.95	21.7	
1,2,4-Trimethylbenzene	9.65		"	10.0		96.5	75.3-135		3.76	18.8	
1,2-Dibromo-3-chloropropane	9.96		"	10.0		99.6	58.9-140		5.09	27.7	
1,2-Dibromoethane	11.5		"	10.0		115	79-130		0.523	23	
1,2-Dichlorobenzene	9.43		"	10.0		94.3	76.1-122		1.99	19.8	
1,2-Dichloroethane	10.2		"	10.0		102	74.6-132		3.19	20.2	
1,2-Dichloropropane	10.8		"	10.0		108	76.9-129		16.3	20.7	
1,3,5-Trimethylbenzene	9.62		"	10.0		96.2	70.6-127		3.57	18.9	
1,3-Dichlorobenzene	9.75		"	10.0		97.5	77-124		1.22	19.2	
1,3-Dichloropropane	10.5		"	10.0		105	75.8-126		0.285	22.1	
1,4-Dichlorobenzene	9.73		"	10.0		97.3	76.6-125		1.63	18.6	
2,2-Dichloropropane	10.7		"	10.0		107	69-133		2.30	19.8	
2-Chlorotoluene	9.24		"	10.0		92.4	66.3-119		3.82	21.6	
2-Hexanone	10.9		"	10.0		109	70-130		2.59	30	
4-Chlorotoluene	9.51		"	10.0		95.1	69.2-127		4.02	19	
Acetone	9.42		"	10.0		94.2	70-130		4.12	30	
Benzene	9.70		"	10.0		97.0	76.2-129		0.620	19	
Bromobenzene	9.62		"	10.0		96.2	71.3-123		2.67	20.3	
Bromochloromethane	9.94		"	10.0		99.4	70.8-137		1.42	23.9	
Bromodichloromethane	11.3		"	10.0		113	79.7-134		10.6	21	
Bromoform	11.9		"	10.0		119	70.5-141		1.35	21.8	
Bromomethane	8.12		"	10.0		81.2	43.9-147		2.75	28.4	
Carbon tetrachloride	12.2		"	10.0		122	78.1-138		1.74	20.1	
Chlorobenzene	9.59		"	10.0		95.9	80.4-125		1.45	19.9	
Chloroethane	8.42		"	10.0		84.2	55.8-140		6.66	23.3	
Chloroform	10.2		"	10.0		102	76.6-133		0.985	20.3	
Chloromethane	7.66		"	10.0		76.6	48.8-115		2.58	24.5	
cis-1,2-Dichloroethylene	9.57		"	10.0		95.7	75.1-128		1.25	20.5	
cis-1,3-Dichloropropylene	12.4		"	10.0		124	74.5-128		16.2	19.9	
Dibromochloromethane	13.5		"	10.0		135	79.8-134	High Bias	7.40	21.3	
Dibromomethane	11.2		"	10.0		112	79-130		13.8	22.4	
Dichlorodifluoromethane	7.97		"	10.0		79.7	47.1-101		1.77	23.9	
Ethyl Benzene	9.94		"	10.0		99.4	80.8-128		2.78	19.2	
Hexachlorobutadiene	9.94		"	10.0		99.4	64.8-128		1.70	20.6	
Isopropylbenzene	9.58		"	10.0		95.8	75.5-135		4.39	20	
Methyl tert-butyl ether (MTBE)	11.0		"	10.0		110	65.1-140		11.9	23.6	
Methylene chloride	9.37		"	10.0		93.7	61.3-120		0.750	20.4	
Naphthalene	10.5		"	10.0		105	62.3-148		6.08	27.1	
n-Butylbenzene	9.27		"	10.0		92.7	67.2-123		3.29	19.1	
n-Propylbenzene	9.41		"	10.0		94.1	70.5-127		4.47	23.4	
o-Xylene	9.47		"	10.0		94.7	75.9-122		1.15	19.3	

Volatile Organic Compounds by EPA SW846-8260B - 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 BG31324 - EPA 5030B											
LCS Dup (BG31324-BSD1)							Prepared & Analyzed: 07/29/2013				
p- & m- Xylenes	19.4		ug/L	20.0		97.0	77.7-127		2.34	18.6	
p-Isopropyltoluene	9.85		"	10.0		98.5	75.6-129		3.59	19.1	
sec-Butylbenzene	9.86		"	10.0		98.6	71.5-125		3.78	18.9	
Styrene	10.1		"	10.0		101	77.8-123		1.58	20.9	
tert-Butylbenzene	9.90		"	10.0		99.0	75.9-151		5.12	20.9	
Tetrachloroethylene	9.32		"	10.0		93.2	63.6-167		3.69	27.7	
Toluene	10.5		"	10.0		105	77-123		0.954	18.7	
trans-1,2-Dichloroethylene	9.33		"	10.0		93.3	76.3-139		1.28	19.5	
trans-1,3-Dichloropropylene	12.5		"	10.0		125	72.5-137		3.42	19.3	
Trichloroethylene	8.82		"	10.0		88.2	77.9-130		5.94	20.5	
Trichlorofluoromethane	10.2		"	10.0		102	57.4-133		1.58	21.4	
Vinyl Chloride	8.45		"	10.0		84.5	54.9-124		2.45	22.3	
Surrogate: 1,2-Dichloroethane-d4	*10.4*		*"*	*10.0*		*104*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*10.0*		*"*	*10.0*		*100*	*63.5-145*				
Surrogate: Toluene-d8	*11.0*		*"*	*10.0*		*110*	*81.2-127*				

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
13G0915-01	MW98-04	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Notes and Definitions

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.

ND Analyte NOT DETECTED at the stated Reporting Limit (RL) or above.

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

MDL METHOD DETECTION LIMIT - the minimum concentration that can be measured and reported with a 99% confidence that the concentration is greater than zero. If requested or required, a value reported below the RL and above the MDL is considered estimated and is noted with a "J" flag.

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 MDL, with values between the MDL and the RL being "J" flagged as estimated results.

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 unless superseded by written contract.

York Project No. 130915

Client Information	Report to:	Invoice To:	Client Project ID	Turn-Around Time	Report Type/Deliverables
Company: LBG	SAME ☐	SAME ☐	Rowe Industries	RUSH Same Day	Summary x, pdf
Address: 4 Research Drive, Suite 301, Shelton CT, 06484	Name: Tunde Sandor	Name: Mark Goldberg		RUSH Next Day	QA/QC Summary x, pdf
Phone no.: 203-929-8555	Company: Same	Company: Same	Purchase Order no. NABSAG	RUSH Two Day	CT RCP Pkg
Contact Person Tunde Sandor	Address:	Address:		RUSH Three Day	ASP A Pkg
E-mail Addr.: Tsandor@lbgct.com	E-mail:	E-mail		RUSH Four Day	ASP B Pkg x, pdf
FAX No.: 203-926-9140	Fax No.:	Fax No.:	Samples from: CT__ NY__ NJ__	Standard (5-7 days) X	Excel
				OTHER	EDD x, Excel

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)

Stephen Hurst
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	Miscellaneous Parameters		
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.	Corrosivity	Nitrate	Color
624	Site Spec.	STARS	8081Pest	PP13	TPH DRO	TCL Organics	Reactivity	Nitrite	Phenols
STARS	SPLP or TCLP	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN	Ignitability	TKN	Cyanide-T
BTEX	Benzene	Acids Only	CT RCP	CT15	NY 310-13	Full TCLP	Flash Point	Tot.Nitrogen	Cyanide-A
MTBE	Nassau Co.	PAH	App. IX	Total	TPH 418.1	Full App. IX	Sieve Anal.	Ammonia-N	BOD5
TCL list	Suffolk Co.	TAGM	Site Spec.	Dissolved	Air TO14A	Part360-Routine	Heterotrophs	Chloride	CBOD5
TAGM	Ketones	CT RCP	SPLP or TCLP	SPLP or TCLP	Air TO15	Part360-Baseline	TOX	Phosphate	BOD28
CT RCP	Oxygenates	TCL list	TCLP Pest	Indiv. Metals	Air STARS	Part 360-Expanded No Dioxins/Furans	BTU/lb.	Tot. Phos.	COD
Arom.	TCLP list	TICs	TCLP Herb	Hg, Pb, As, Cd	Air VPH	Part 360-Expanded Full List	Aquatic Tox.	Oil&Grease	TSS
Halog.	524.2	App. IX	Chlordane	Cr, Ni, Be, Fe,	Air TICs	NYCDEPSewer	TOC	F.O.G.	Total Solids
App.IX	502.2	SPLP or TCLP	608 Pest	Se, Tl, Sb, Cu,	Methane	NYSDECSewer	Asbestos	pH	TDS
8021B list	5035	TCLP BNA	608 PCB	Na, Mn, As, etc	Helium	TAGM	Silica	MBAS	TPH - IR

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
MW98-04	2/23/13 1015	GW	VOC 8260 full list (EPA SW846-8260B)	3V
		GW	VOC 8260 full list (EPA SW846-8260B)	
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Comments

Preservation "X" those applicable: Cool 4°C____ HNO3____ H2SO4____ NaOH____ NONE____ FROZEN X

				Temperature on Receipt
Samples Relinquished By	7/24/13 1400	Samples Received By	7/24/13 1400	4.1 °C
Samples Relinquished By	7/25/13 1220	Samples Received in LAB by	7/25/13 1440	