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PROJECT STATUS MEMORANDUM NO. 03-13

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

DATE: May 20, 2013

PROJECT: Rowe Industries Superfund Site
Groundwater Recovery and Treatment System
March 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 March 1, 2013 through March 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

(March 1, 2013 through March 31, 2013)

1. Hours of operation during the reporting period:	408 hours (54.9%)
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:	3,228,070 gal.*
5. Was the system effluent flow below the SPDES limit of 1,023,000 gpd:	yes, (see Graph 1)
6. Mass of VOCs recovered during the reporting period:	0.05 pounds*
7. Cumulative mass of VOCs recovered since startup on 12/17/02: (calculations can be provided upon request)	225.4 pounds
8. Effluent VOC vapor concentration for the reporting period:	0.02 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 (0.00013 lbs/hr)

*Values represent the FSP&T system recovery wells only, the FP&T system recovery wells were off during the month of March.

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	665,444	27	13	2.6	0.01
RW-4	481,896	21	10	4.1	0.02
RW-6	353,966	15	15	2.8	0.01
RW-7	1,751,522	70	69	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.

The hours of operation during the reporting period were lower than usual due to a combination of time required for maintenance activities, power fluctuations and downtime necessary to allow the aquifer to return to static conditions for the semi-annual measurement of depth-to-water during static conditions.

Evaluation of Groundwater Quality

During March 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-1, 2, 3, 4, 5, 6, 7, 8 and 9. 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 June. 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 49 consecutive months (4 years and 1 month);
- RW-4 for 31 consecutive months (2 years and 7 months);
- RW-6 for 27 consecutive months (2 years and 3 month); and
- RW-7 for 32 consecutive months (2 years and 8 months).

FOCUS PUMP AND TREAT SYSTEM STATUS SUMMARY

During this reporting period, the Focus Recovery Wells (FRWs) were off in order to evaluate the FDSA groundwater quality under non-pumping conditions.

Groundwater samples were collected for FRW-1, 2, 3 and 4 one time in the month of March, groundwater samples were also collected from the monitor wells associated with the FDSA (MW-98-01, MW-98-04, MW-98-05A and B, MW-45A and MW-52A. The groundwater quality results for the FRWs are summarized in Tables 5 through 8 and Graphs 4 through 7, respectively. The laboratory results for the aforementioned monitor wells are included in Appendix IV. The concentrations of some COCs in the groundwater at the FDSA have been noted to have increased over the past two months; most specifically at FRW-1 and to a lesser extent at FRW-3 and FRW-4. The magnitude of the PCE and cis-DCE concentrations at the aforementioned wells have not been detected at these concentration for at least three years. The results from the latest monitoring event also indicated an increase in the PCE and cis12DCE concentration at MW-98-04, which is located downgradient of the FDSA and is screened in the regional aquifer. Based on these groundwater quality results for the FRWs and monitor wells, rebound may be occurring in the FDSA and the groundwater plume may be migrating away from the FDSA in the direction of MW98-04. COCs continue not to be detected in MW98-05B because this well is screened below the clay lens, which acts as a barrier to prevent COCs from migrating downward at the FDSA. A confirmatory groundwater sampling round is scheduled for April. If groundwater concentrations in April are consistent with the recent results, then it may be necessary to re-start the operation of the pumps in FRW-1, 2, 3 and 4. If COC concentrations in the groundwater at the FDSA decrease in April, then LBG will continue to closely monitor the conditions in the area.

OTHER O&M ACTIVITIES AND FUTURE O&M ACTIVITIES

O&M activities conducted in March 2013 included:

- on March 13, technicians from American Environmental Assessment Corp. (AEAC) jet-washed the well-head piping and risers of RW-2 and RW-4 in order to remove iron bacteria fouling and improve flow;
- on March 19, semi-annual groundwater quality sampling was started;
- on March 20, semi-annual groundwater quality sampling continued; depth-to-water was measured during pumping conditions in all piezometers, monitor and recovery wells;
- on March 21, the semi-annual groundwater quality sampling was completed; and the FSP&T system was shut down in preparation for the static round of depth-to-water measurements; and
- on March 28, depth-to-water was measured during static conditions in all piezometers, monitor and recovery wells; following the measurement, the FSP&T system was restarted; and monitor well MW-45B, reportedly damaged during non-treatment system related construction and landscaping activities, was located.

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

- conduct recovery well rehabilitation;
- clean the EQ tank, transfer tank, bag filter housing (screens and butterfly valves) and the air stripper tower sump;

- clean the catch basin in the rear driveway and the trench drain in front of the FSP&T building;
- inspect the condition of the recharge basin outfalls;
- inspect condition of the air-stripper tower packing material;
- clean FP&T system components, lateral pipes and FRW sumps; and
- normal weekly/monthly O&M activities.

MMG:nv
Attachments
cc: Ken W. Wengert - Kraft Foods Global, 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\March\Status0313Mar.docx

TABLES

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

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

Date	Time	System Changes/Modifications	Personnel
3/6/2013	11:11 AM	FSP&T system shut down due to a power failure alarm.	
3/7/2013		Checked the FSP&T system status and alarm, the FSP&T system was left off per request by Paul Jobmann from LBG.	JF
3/13/2013	10:30 AM	Reset power failure alarms and restarted the FSP&T system.	SH
		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
		Jet washed the well head piping and riser, cleaned flow meter in RW-2 and RW-4.	SH/AEAC
3/19/2013		Started semi-annual groundwater quality sampling.	CC/EA/SH
3/20/2013		Measured depth-to-water during pumping conditions in all piezometers, monitor and recovery wells.	SH/CC
	12:13 PM	FSP&T system shut down due to a power failure alarm.	
	12:45 PM	Reset power failure alarms and restarted the FSP&T system.	SH
		Continued semi-annual groundwater quality sampling.	CC/EA/SH
3/21/2013		Completed the semi-annual groundwater quality sampling.	CC/EA/SH
	12:30 PM	Shut down FSP&T system in preparation for static round of depth-to-water measurements.	SH
3/28/2013		Measured depth-to-water during static conditions in all piezometers, monitor and recovery wells.	SH/EF
		Changed the multi-bag filter bags (400 um) in Banks 1 and 2, seven of eight housings used. Banks 1 and 2 left open. Bank 3 closed.	SH
	12:05 PM	Restarted the FSP&T system.	SH
		Reprogrammed the auto dialer with Mark Goldberg phone number.	SH
		Located monitor well MW-45B, damaged during non-treatment system related construction and landscaping activities.	SH

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**	**---**	**---**
13-Mar-13	7.2	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<2	ND<0.5	14.60	0.020
20-Mar-13	7.2	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<2	ND<0.5	1.65	0.077
28-Mar-13	7.2	83	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	0.22 J,B	ND<0.5	9.61	0.040

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
AQ31312:12:10NP4-1	3/13/2012	12:10	0.0450	0.0033	0.0012	ND	0.0050	0.0025	ND	ND	ND	ND	0.0031	0.0210	ND	ND	0.12
AQ42312:1100NP4-1	4/23/2012	11:00	0.0085	0.0022	0.0056	ND	0.0029	ND	ND	0.0110	0.0065	0.0022	0.0032	0.0033	0.0022	0.0029	0.10
AQ52212:1520NP4-1	5/22/2012	15:20	0.0081	ND	0.0100	ND	0.0049	ND	ND	ND	0.0010	ND	0.0031	0.0022	ND	ND	0.08
AQ62012:1240NP4-1	6/20/2012	12:40	0.0180	0.0015	0.0090	ND	0.0053	0.0010	ND	ND	ND	ND	0.0015	0.0012	ND	ND	0.07
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

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
AQ31312:1215NP4-2	3/13/2012	12:15	0.0540	ND	0.0120	ND	0.0060	ND	ND	ND	ND	ND	0.0026	0.0053	ND	ND	0.12
AQ42312:1105NP4-2	4/23/2012	11:05	0.1100	0.0017	0.0170	ND	0.0076	ND	ND	0.0140	0.0051	0.0015	0.0041	0.0038	0.0023	ND	0.24
AQ52212:1525NP4-2	5/22/2012	15:25	0.0160	ND	0.0120	ND	0.0050	0.0010	ND	ND	ND	ND	0.0027	0.0028	ND	0.0043	0.12
AQ62012:1245NP4-2	6/20/2012	12:45	0.0530	0.0027	0.0140	ND	0.0061	0.0014	ND	ND	ND	ND	0.0033	0.0013	ND	ND	0.11
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

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
AQ31312:1220NP4-3	3/13/2012	12:20	ND	ND	0.0020	ND	0.0057	ND	ND	ND	ND	ND	0.0014	0.0048	ND	ND	0.03
AQ42312:1110NP4-3	4/23/2012	11:10	ND	ND	0.0040	ND	0.0067	ND	ND	0.0090	0.0050	0.0015	0.0022	0.0032	0.0017	0.0029	0.07
AQ52212:1530NP4-3	5/22/2012	15:30	ND	ND	0.0055	ND	0.0063	ND	ND	ND	ND	ND	0.0023	0.0015	ND	ND	0.03
AQ62012:1250NP4-3	6/20/2012	12:50	ND	ND	0.0064	ND	0.0076	ND	ND	ND	ND	ND	0.0026	0.0027	ND	ND	0.04
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

PCE: Tetrachoroethane
TCE: Trichloroethene
TCA: 1,1,1-Trichloroethane
DCE: 1,1-Dichloroetene
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	15-Sep-04	ND<1	ND<1	ND<1	2.8	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	7-Oct-04	ND<1	ND<1	ND<1	ND<1	2.2	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	3-Nov-04	ND<1	ND<1	ND<1	1.9	2.0	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	15-Dec-04	ND<1	ND<1	ND<1	**9.8**	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<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	15-Mar-11	0.91 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
	12-Apr-11	0.57 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-May-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
	21-Jun-11	0.85 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
	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

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/]	15-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	ND<1	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	ND<1	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	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
RW-4	10-Mar-11	0.82 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
	12-Apr-11	0.61 J	ND<1	0.74 J	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	1.2	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	21-Jun-11	1.0	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	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	1.10	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	1.40	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	1.80	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	1.30	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	1.00	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	1.50	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

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
RW-6	10-Mar-11	1.9	ND<1	0.9 J	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	12-Apr-11	1.4	ND<1	0.7 J	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	23-May-11	1.2	ND<1	0.9 J	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<2	ND<1
	21-Jun-11	1.7	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
	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

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	10-Mar-11	1.8	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	1.4	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-May-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
	21-Jun-11	1.7	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	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
RW-8 [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	ND<1	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	ND<1	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	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

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/]	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	ND<1	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	ND<1	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	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

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**
10-Mar-11	**68**	ND<1	ND<1	ND<1	ND<1	0.58 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	ND<1
26-Apr-11	**22**	ND<1	1.8	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	ND<1	ND<1	ND<1
11-May-11	**13**	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
6-Jun-11	**46**	7.2	**9.9**	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	**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

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**
10-Mar-11	**39**	ND<1	2.9	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1
26-Apr-11	**8.7**	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
11-May-11	**7.1**	1.0	**9.9**	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	**26**	0.8 J	1.0	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	**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

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**
10-Mar-11	**19**	2.6	**17**	ND<1	ND<1	ND<1	ND<1	0.60 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	ND<1
26-Apr-11	**60**	2.8	**11**	ND<1	ND<1	ND<1	ND<1	0.67 J	0.56 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
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

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
10-Mar-11	4.5	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1
26-Apr-11	1.7	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1
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

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

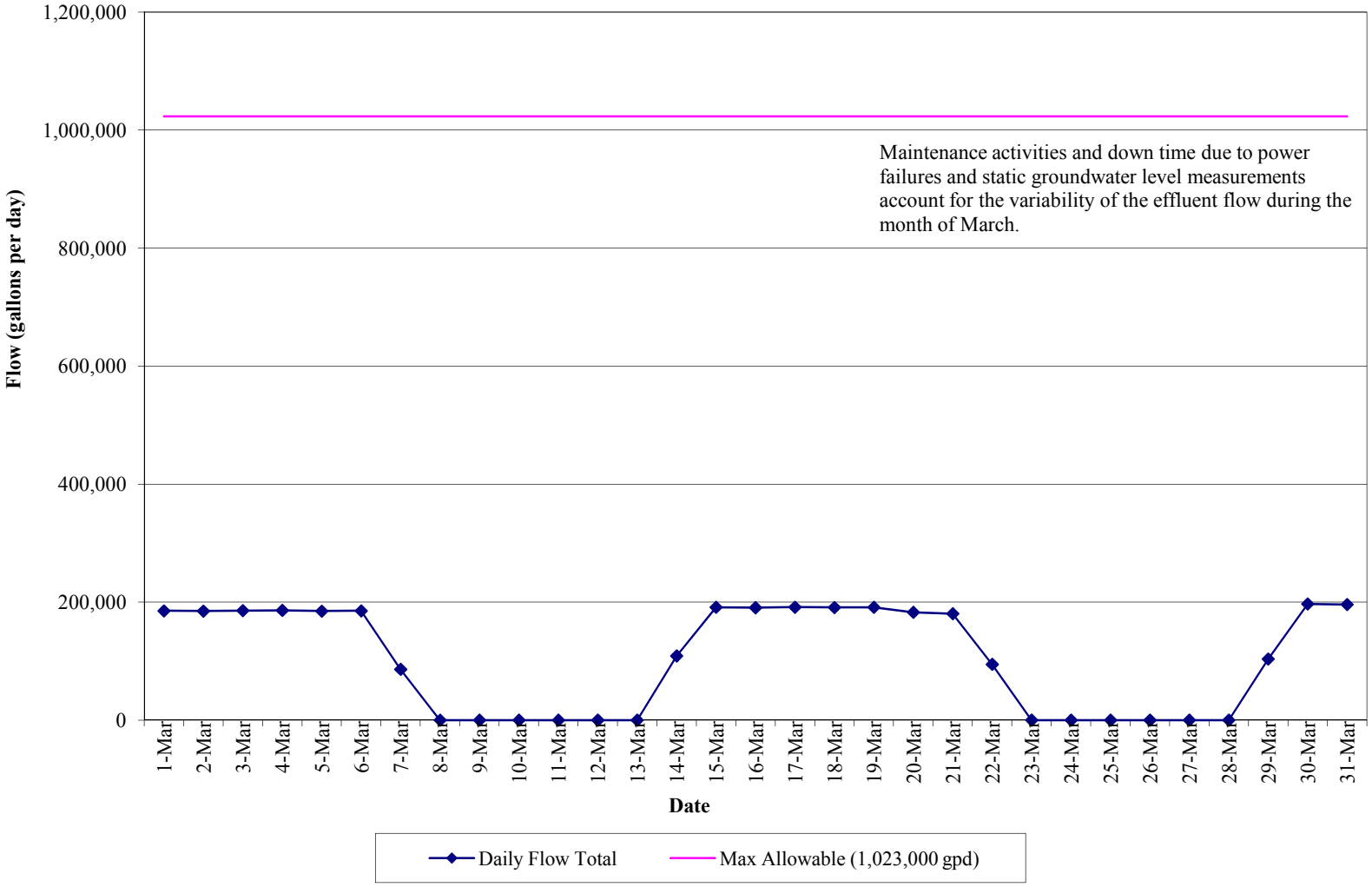
PCE: Tetrachloroethylene	TCE: Trichloroethene	cis12DCE: cis-1,2-Dichloroethene
IPB: Isopropylbenzene	NPB: n-Propylbenzene	NBB: n-Butylbenzene
VMC: Metylene Chloride	TCA: 1,1,1-Trichloroethane	C: Vinyl Chloride

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

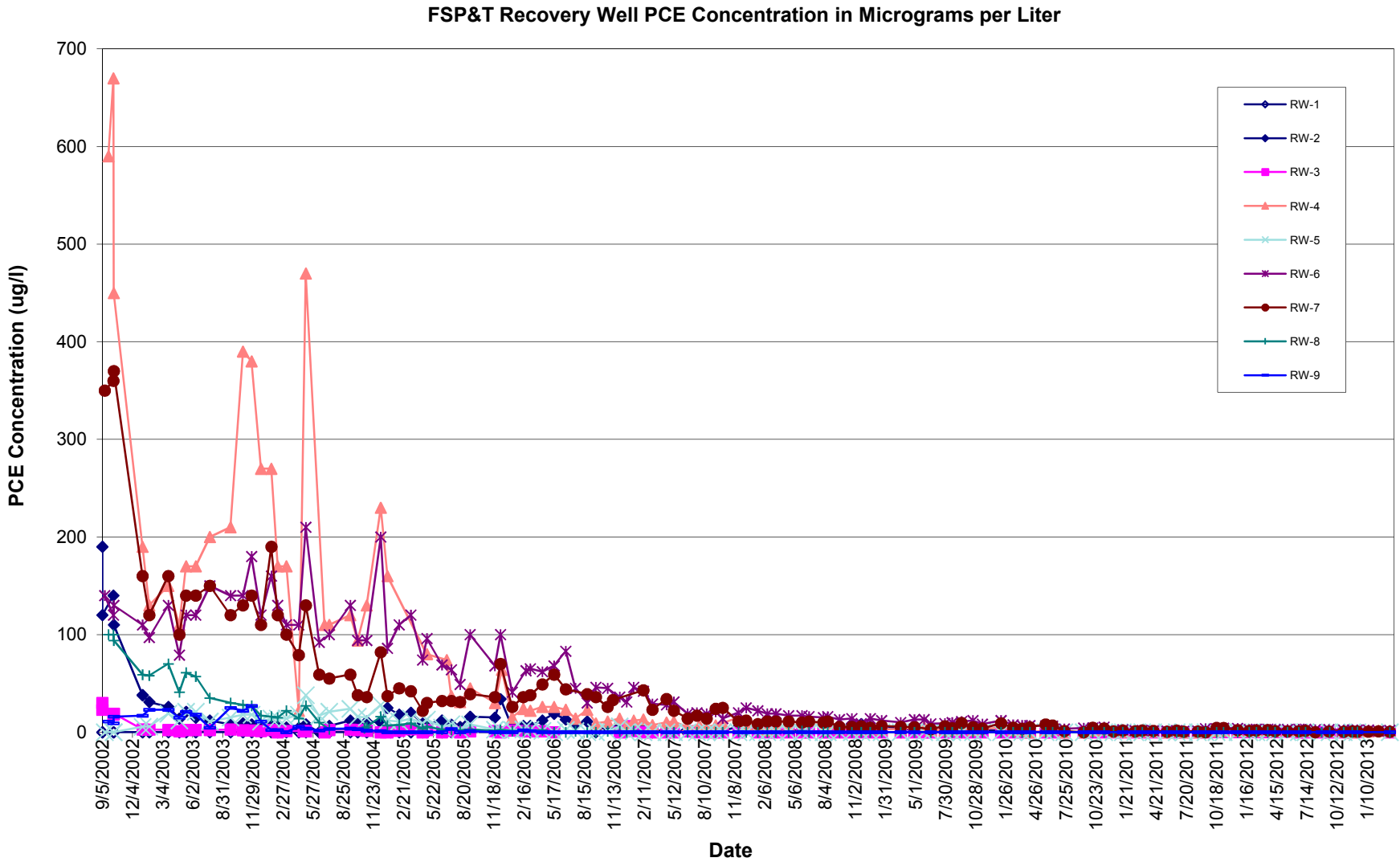
GRAPH 1
GROUNDWATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

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



GRAPH 2

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



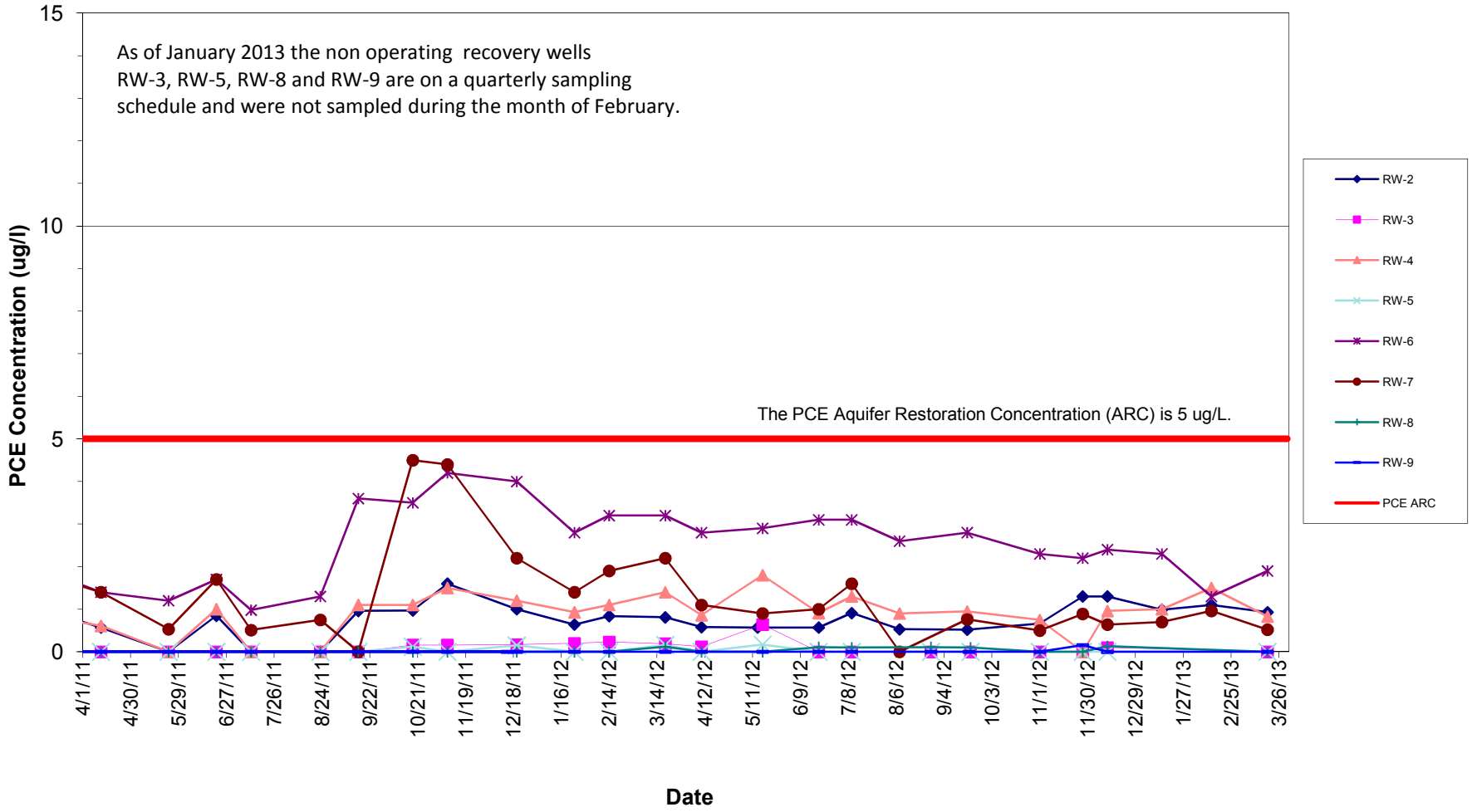
K:\Jobs\Kraft Foods Global, Inc\ROWE Industries\Ground Water\O&M\FSP&T\Monthly Reports\2013\March 2013\
DischargeWaterQualityMar.xls

LBG ENGINEERING SERVICES, P.C.

GRAPH 3

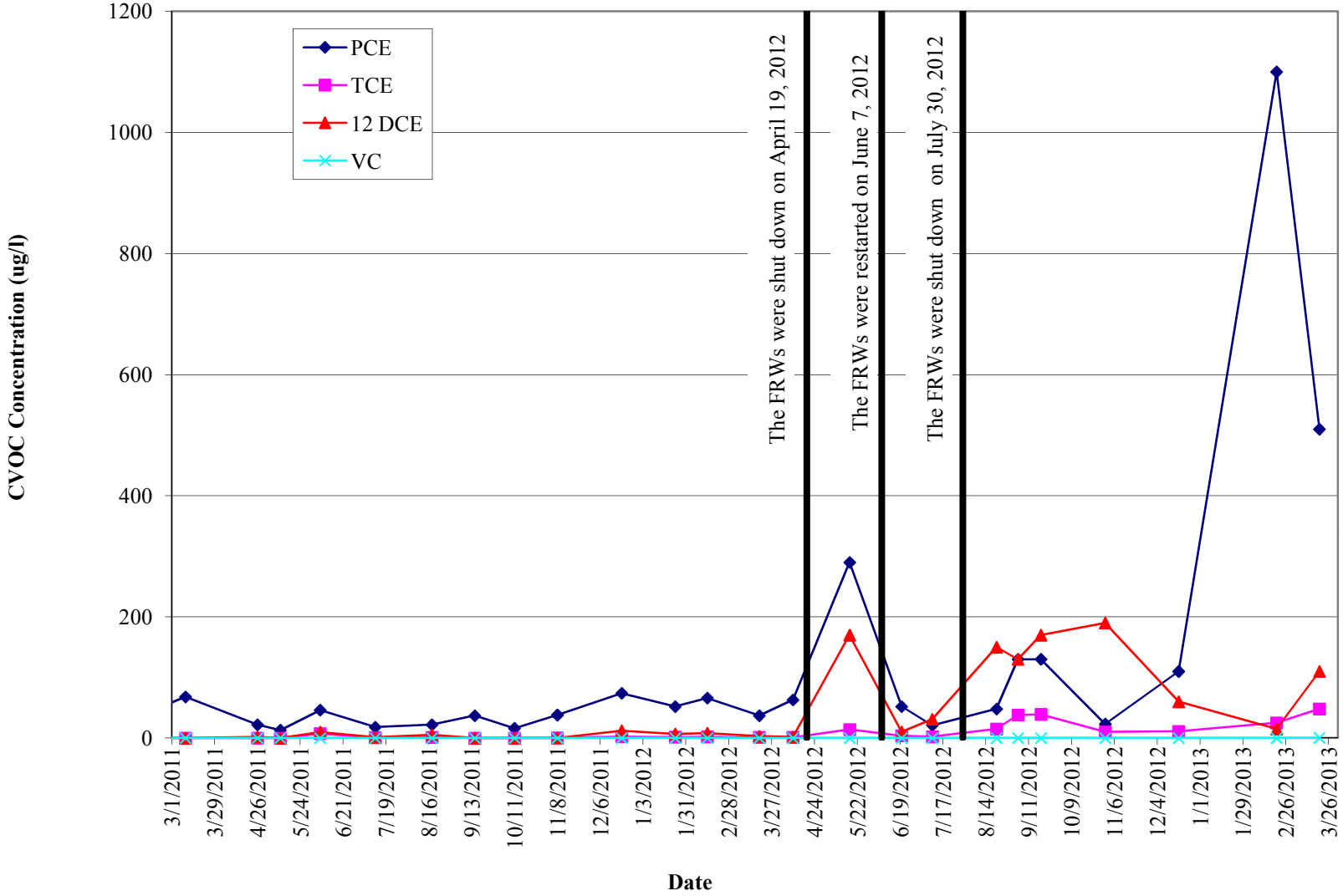
GROUNDWATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

FSP&T Recovery Well PCE Concentration



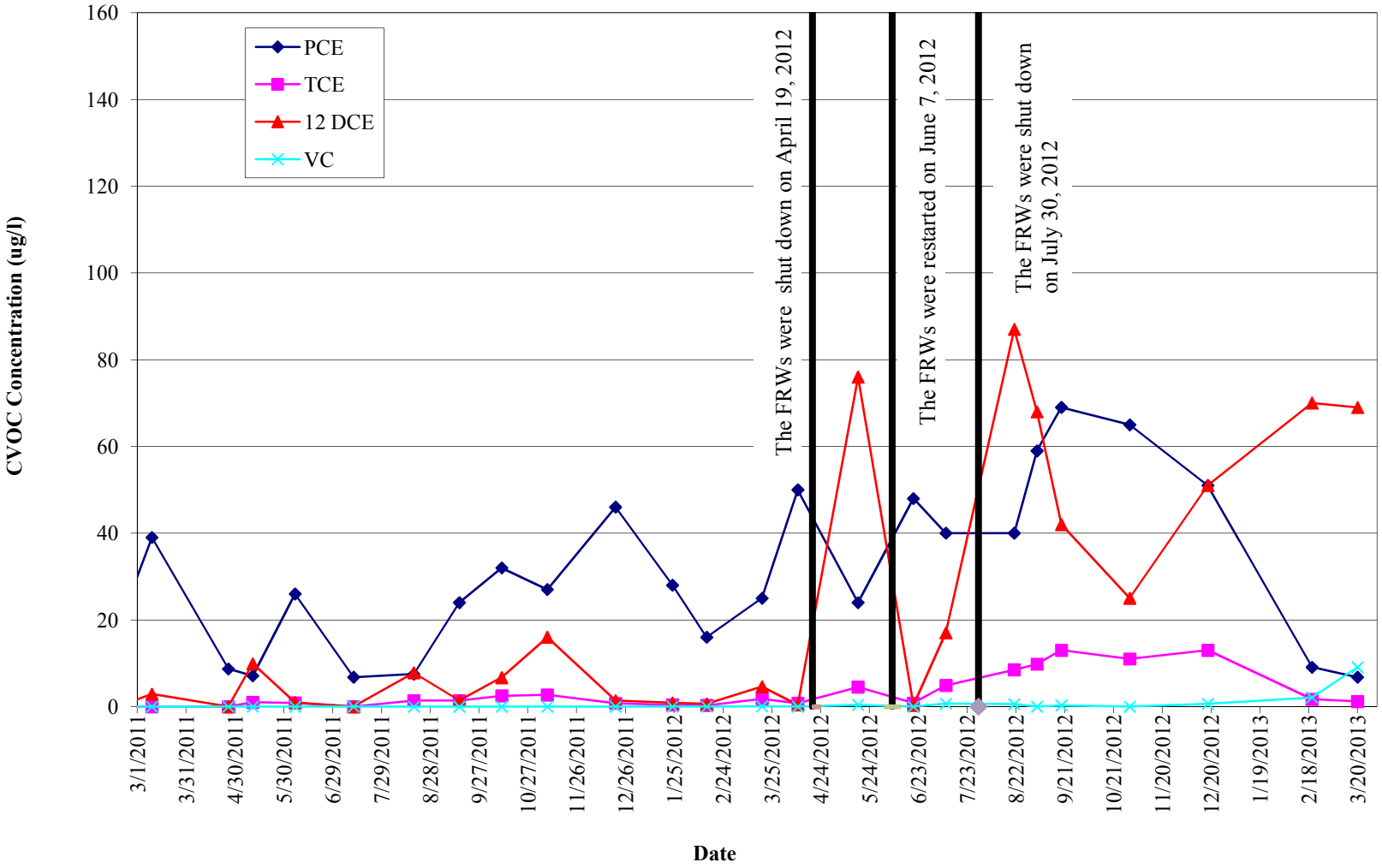
GRAPH 4
GROUNDWATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

FP&T Recovery Well VOC Concentrations for FRW-1



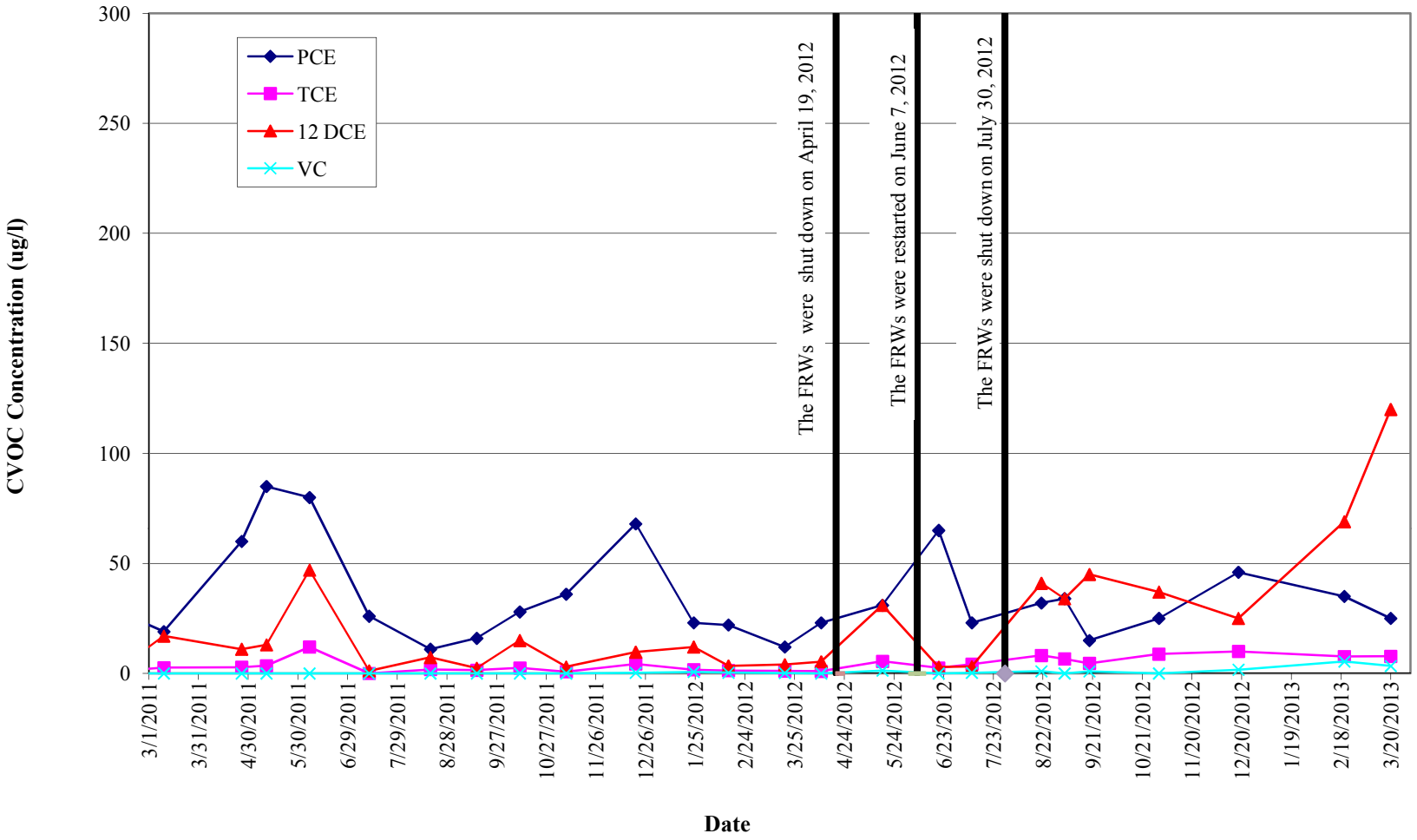
GRAPH 5
GROUNDWATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

FP&T Recovery Well VOC Concentrations for FRW-2



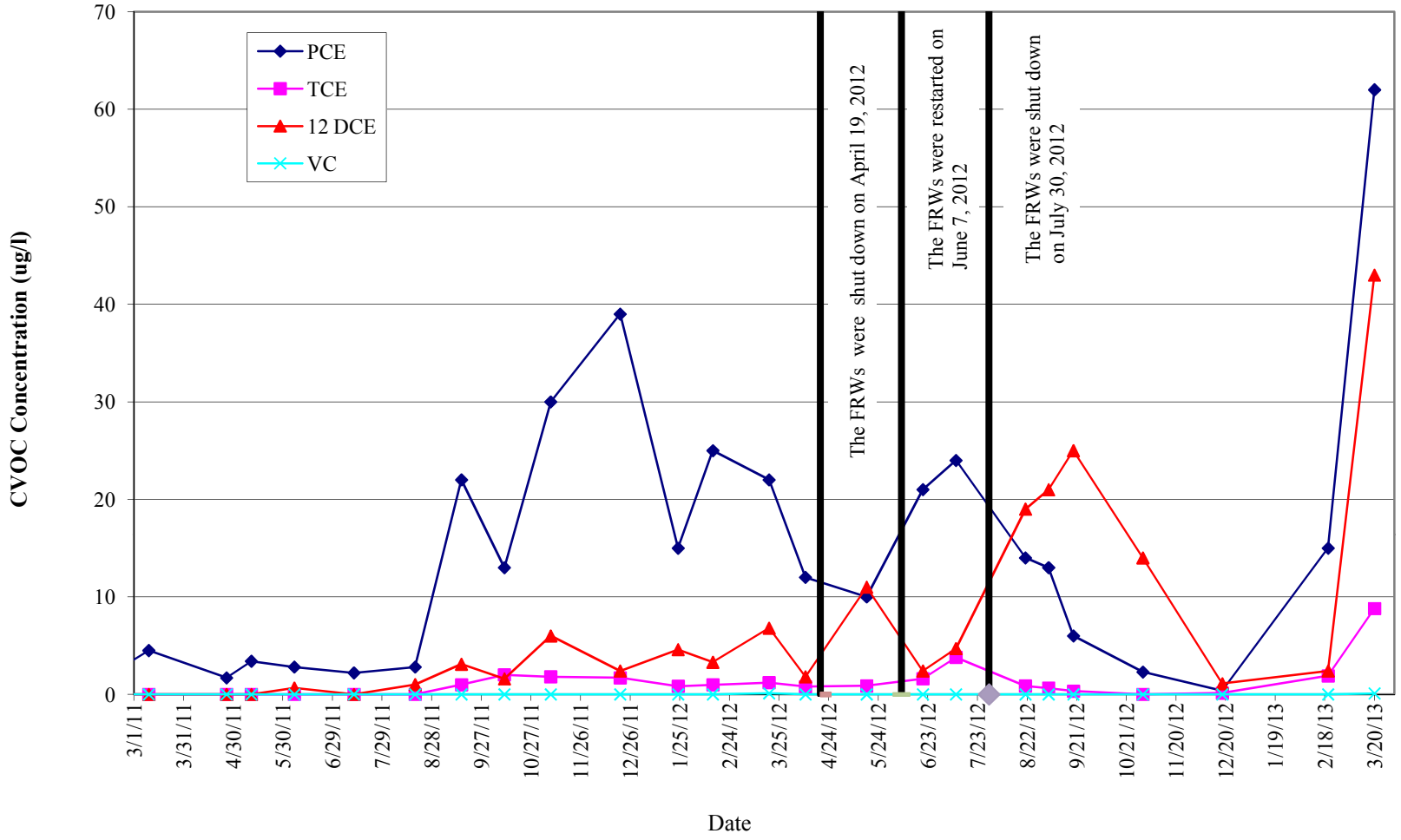
GRAPH 6
GROUNDWATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

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
MARCH 2013 LABORATORY ANALYTICAL REPORTS
FOR FSP&T SYSTEM

YORK
ANALYTICAL LABORATORIES, INC.

Technical Report

prepared for:

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

Report Date: 03/20/2013
Client Project ID: Rowe Industries
York Project (SDG) No.: 13C0405

Report Date: 03/20/2013
Client Project ID: Rowe Industries
York Project (SDG) No.: 13C0405

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 March 14, 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
13C0405-01	WQ031313:1130NP2-6	Water	03/13/2013	03/14/2013
13C0405-02	WQ031313:1135NP2-7	Water	03/13/2013	03/14/2013
13C0406-01	WQ031313:1140NP2-10	Water	03/13/2013	03/14/2013

General Notes for York Project (SDG) No.: 13C0405

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: 03/20/2013

Robert Q. Bradley
Laboratory Director

YORK

Sample Information

Client Sample ID: WQ031313:1130NP2-6 **York Sample ID:** 13C0405-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13C0405	Rowe Industries	Water	March 13, 2013 11:30 am	03/14/2013

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	0.071	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:05	SS
71-55-6	1,1,1-Trichloroethane	**0.19**	J	ug/L	0.024	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:05	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:05	SS
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/L	0.074	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:05	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:05	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:05	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:05	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.11	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:05	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.12	2.0	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:05	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:05	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.11	2.0	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:05	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:05	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.46	2.0	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:05	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.15	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:05	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:05	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:05	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.051	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:05	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.059	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:05	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:05	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:05	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:05	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.096	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:05	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.084	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:05	SS
591-78-6	2-Hexanone	ND		ug/L	0.24	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:05	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.072	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:05	SS
67-64-1	Acetone	ND		ug/L	0.90	2.0	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:05	SS
71-43-2	Benzene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:05	SS
108-86-1	Bromobenzene	ND		ug/L	0.081	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:05	SS
74-97-5	Bromochloromethane	ND		ug/L	0.10	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:05	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.054	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:05	SS
75-25-2	Bromoform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:05	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:05	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:05	SS

Sample Information

Client Sample ID: WQ031313:1130NP2-6 **York Sample ID:** 13C0405-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13C0405	Rowe Industries	Water	March 13, 2013 11:30 am	03/14/2013

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	0.063	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:05	SS
75-00-3	Chloroethane	ND		ug/L	0.090	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:05	SS
67-66-3	Chloroform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:05	SS
74-87-3	Chloromethane	ND		ug/L	0.076	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:05	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.069	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:05	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.067	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:05	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.053	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:05	SS
74-95-3	Dibromomethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:05	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.092	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:05	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.057	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:05	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:05	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.056	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:05	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.48	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:05	SS
75-09-2	Methylene chloride	ND		ug/L	0.26	2.0	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:05	SS
91-20-3	Naphthalene	ND		ug/L	0.090	2.0	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:05	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.083	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:05	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:05	SS
95-47-6	o-Xylene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:05	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/L	0.090	1.0	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:05	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:05	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:05	SS
100-42-5	Styrene	ND		ug/L	0.043	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:05	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:05	SS
127-18-4	Tetrachloroethylene	**1.0**		ug/L	0.070	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:05	SS
108-88-3	Toluene	ND		ug/L	0.042	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:05	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:05	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.060	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:05	SS
79-01-6	Trichloroethylene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:05	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.094	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:05	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.062	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:05	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.12	1.5	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:05	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*78.2 %*	*72.6-129*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*120 %*	*63.5-145*
2037-26-5	*Surrogate: Toluene-d8*	*98.9 %*	*81.2-127*

Sample Information

Client Sample ID: WQ031313:1130NP2-6 **York Sample ID:** 13C0405-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13C0405	Rowe Industries	Water	March 13, 2013 11:30 am	03/14/2013

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	0.0100	0.0200	1	EPA SW846-6010B	03/18/2013 08:34	03/18/2013 12:03	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	**2.96**		mg/L	0.0100	0.0200	1	EPA 200.7	03/18/2013 08:36	03/18/2013 12:46	MW

Sample Information

Client Sample ID: WQ031313:1135NP2-7 **York Sample ID:** 13C0405-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13C0405	Rowe Industries	Water	March 13, 2013 11:35 am	03/14/2013

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	0.071	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:41	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.024	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:41	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:41	SS
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/L	0.074	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:41	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:41	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:41	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:41	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.11	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:41	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.12	2.0	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:41	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:41	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.11	2.0	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:41	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:41	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.46	2.0	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:41	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.15	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:41	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:41	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:41	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.051	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:41	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.059	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:41	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:41	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:41	SS

Sample Information

Client Sample ID: WQ031313:1135NP2-7 **York Sample ID:** 13C0405-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13C0405	Rowe Industries	Water	March 13, 2013 11:35 am	03/14/2013

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	0.048	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:41	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.096	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:41	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.084	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:41	SS
591-78-6	2-Hexanone	ND		ug/L	0.24	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:41	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.072	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:41	SS
67-64-1	Acetone	ND		ug/L	0.90	2.0	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:41	SS
71-43-2	Benzene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:41	SS
108-86-1	Bromobenzene	ND		ug/L	0.081	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:41	SS
74-97-5	Bromochloromethane	ND		ug/L	0.10	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:41	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.054	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:41	SS
75-25-2	Bromoform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:41	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:41	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:41	SS
108-90-7	Chlorobenzene	ND		ug/L	0.063	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:41	SS
75-00-3	Chloroethane	ND		ug/L	0.090	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:41	SS
67-66-3	Chloroform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:41	SS
74-87-3	Chloromethane	ND		ug/L	0.076	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:41	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.069	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:41	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.067	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:41	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.053	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:41	SS
74-95-3	Dibromomethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:41	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.092	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:41	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.057	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:41	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:41	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.056	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:41	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.48	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:41	SS
75-09-2	Methylene chloride	ND		ug/L	0.26	2.0	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:41	SS
91-20-3	Naphthalene	ND		ug/L	0.090	2.0	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:41	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.083	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:41	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:41	SS
95-47-6	o-Xylene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:41	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/L	0.090	1.0	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:41	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:41	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:41	SS

Sample Information

Client Sample ID: WQ031313:1135NP2-7 **York Sample ID:** 13C0405-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13C0405	Rowe Industries	Water	March 13, 2013 11:35 am	03/14/2013

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
100-42-5	Styrene	ND		ug/L	0.043	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:41	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:41	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:41	SS
108-88-3	Toluene	ND		ug/L	0.042	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:41	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:41	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.060	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:41	SS
79-01-6	Trichloroethylene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:41	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.094	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:41	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.062	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:41	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.12	1.5	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 19:41	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*88.5 %*	*72.6-129*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*122 %*	*63.5-145*
2037-26-5	*Surrogate: Toluene-d8*	*98.5 %*	*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	0.0100	0.0200	1	EPA SW846-6010B	03/18/2013 08:34	03/18/2013 12:08	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	**4.55**		mg/L	0.0100	0.0200	1	EPA 200.7	03/18/2013 08:36	03/18/2013 12:50	MW

Sample Information

Client Sample ID: WQ031313:1140NP2-10 **York Sample ID:** 13C0406-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13C0406	Rowe Industries	Water	March 13, 2013 11:40 am	03/14/2013

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	0.071	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 18:30	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.024	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 18:30	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 18:30	SS
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/L	0.074	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 18:30	SS

Sample Information

Client Sample ID: WQ031313:1140NP2-10 **York Sample ID:** 13C0406-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13C0406	Rowe Industries	Water	March 13, 2013 11:40 am	03/14/2013

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
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 18:30	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 18:30	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 18:30	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.11	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 18:30	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.12	2.0	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 18:30	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 18:30	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.11	2.0	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 18:30	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 18:30	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.46	2.0	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 18:30	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.15	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 18:30	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 18:30	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 18:30	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.051	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 18:30	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.059	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 18:30	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 18:30	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 18:30	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 18:30	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.096	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 18:30	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.084	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 18:30	SS
591-78-6	2-Hexanone	ND		ug/L	0.24	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 18:30	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.072	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 18:30	SS
67-64-1	Acetone	ND		ug/L	0.90	2.0	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 18:30	SS
71-43-2	Benzene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 18:30	SS
108-86-1	Bromobenzene	ND		ug/L	0.081	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 18:30	SS
74-97-5	Bromochloromethane	ND		ug/L	0.10	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 18:30	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.054	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 18:30	SS
75-25-2	Bromoform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 18:30	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 18:30	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 18:30	SS
108-90-7	Chlorobenzene	ND		ug/L	0.063	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 18:30	SS
75-00-3	Chloroethane	ND		ug/L	0.090	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 18:30	SS
67-66-3	Chloroform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 18:30	SS
74-87-3	Chloromethane	ND		ug/L	0.076	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 18:30	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.069	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 18:30	SS

Sample Information

Client Sample ID: WQ031313:1140NP2-10 **York Sample ID:** 13C0406-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13C0406	Rowe Industries	Water	March 13, 2013 11:40 am	03/14/2013

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
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.067	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 18:30	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.053	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 18:30	SS
74-95-3	Dibromomethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 18:30	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.092	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 18:30	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.057	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 18:30	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 18:30	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.056	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 18:30	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.48	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 18:30	SS
75-09-2	Methylene chloride	ND		ug/L	0.26	2.0	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 18:30	SS
91-20-3	Naphthalene	ND		ug/L	0.090	2.0	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 18:30	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.083	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 18:30	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 18:30	SS
95-47-6	o-Xylene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 18:30	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/L	0.090	1.0	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 18:30	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 18:30	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 18:30	SS
100-42-5	Styrene	ND		ug/L	0.043	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 18:30	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 18:30	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 18:30	SS
108-88-3	Toluene	ND		ug/L	0.042	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 18:30	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 18:30	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.060	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 18:30	SS
79-01-6	Trichloroethylene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 18:30	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.094	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 18:30	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.062	0.50	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 18:30	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.12	1.5	1	EPA SW846-8260B	03/19/2013 08:20	03/19/2013 18:30	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*81.4 %*	*72.6-129*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*119 %*	*63.5-145*
2037-26-5	*Surrogate: Toluene-d8*	*99.0 %*	*81.2-127*

Sample Information

Client Sample ID: WQ031313:1140NP2-10 **York Sample ID:** 13C0406-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13C0406	Rowe Industries	Water	March 13, 2013 11:40 am	03/14/2013

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	**0.0203**		mg/L	0.0100	0.0200	1	EPA SW846-6010B	03/18/2013 08:34	03/18/2013 11:46	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	**14.6**		mg/L	0.0100	0.0200	1	EPA 200.7	03/18/2013 08:36	03/18/2013 12:55	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	03/17/2013 12:06	03/17/2013 12:06	ALD

YORK
ANALYTICAL LABORATORIES, INC.

Analytical Batch Summary

Batch ID: BC30785 **Preparation Method:** % Solids Prep **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
13C0406-01	WQ031313:1140NP2-10	03/17/13
BC30785-BLK1	Blank	03/17/13
BC30785-DUP1	Duplicate	03/17/13

Batch ID: BC30865 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
13C0405-01	WQ031313:1130NP2-6	03/18/13
13C0405-02	WQ031313:1135NP2-7	03/18/13
13C0406-01	WQ031313:1140NP2-10	03/18/13
BC30865-BLK1	Blank	03/18/13
BC30865-DUP1	Duplicate	03/18/13
BC30865-MS1	Matrix Spike	03/18/13
BC30865-SRM1	Reference	03/18/13

Batch ID: BC30866 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
13C0405-01	WQ031313:1130NP2-6	03/18/13
13C0405-02	WQ031313:1135NP2-7	03/18/13
13C0406-01	WQ031313:1140NP2-10	03/18/13
BC30866-BLK1	Blank	03/18/13
BC30866-SRM1	Reference	03/18/13

Batch ID: BC30939 **Preparation Method:** EPA 5030B **Prepared By:** EKM

YORK Sample ID	Client Sample ID	Preparation Date
13C0405-01	WQ031313:1130NP2-6	03/19/13
13C0405-02	WQ031313:1135NP2-7	03/19/13
13C0406-01	WQ031313:1140NP2-10	03/19/13
BC30939-BLK1	Blank	03/19/13
BC30939-BS1	LCS	03/19/13
BC30939-BSD1	LCS Dup	03/19/13

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

York Analytical Laboratories, Inc.

Batch BC30939 - EPA 5030B

Blank (BC30939-BLK1) — Prepared & Analyzed: 03/19/2013

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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	0.39	2.0	"								
Naphthalene	0.62	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	"								

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 BC30939 - EPA 5030B											
Blank (BC30939-BLK1)								Prepared & Analyzed: 03/19/2013			
Styrene	ND	0.50	ug/L								
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	*10.1*		*"*	*10.0*		*101*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*11.5*		*"*	*10.0*		*115*	*63.5-145*				
Surrogate: Toluene-d8	*10.2*		*"*	*10.0*		*102*	*81.2-127*				
LCS (BC30939-BS1)								Prepared & Analyzed: 03/19/2013			
1,1,1,2-Tetrachloroethane	9.66		ug/L	10.0		96.6	82.3-130				
1,1,1-Trichloroethane	8.63		"	10.0		86.3	75.6-137				
1,1,2,2-Tetrachloroethane	9.03		"	10.0		90.3	71.3-131				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.69		"	10.0		96.9	71.1-129				
1,1,2-Trichloroethane	10.4		"	10.0		104	74.5-129				
1,1-Dichloroethane	9.22		"	10.0		92.2	79.6-132				
1,1-Dichloroethylene	9.25		"	10.0		92.5	80.2-146				
1,1-Dichloropropylene	8.49		"	10.0		84.9	75-136				
1,2,3-Trichlorobenzene	10.7		"	10.0		107	66.1-136				
1,2,3-Trichloropropane	10.4		"	10.0		104	63-131				
1,2,4-Trichlorobenzene	9.49		"	10.0		94.9	70.6-136				
1,2,4-Trimethylbenzene	11.2		"	10.0		112	75.3-135				
1,2-Dibromo-3-chloropropane	11.8		"	10.0		118	58.9-140				
1,2-Dibromoethane	9.52		"	10.0		95.2	79-130				
1,2-Dichlorobenzene	9.18		"	10.0		91.8	76.1-122				
1,2-Dichloroethane	9.08		"	10.0		90.8	74.6-132				
1,2-Dichloropropane	9.70		"	10.0		97.0	76.9-129				
1,3,5-Trimethylbenzene	9.63		"	10.0		96.3	70.6-127				
1,3-Dichlorobenzene	9.07		"	10.0		90.7	77-124				
1,3-Dichloropropane	9.22		"	10.0		92.2	75.8-126				
1,4-Dichlorobenzene	8.83		"	10.0		88.3	76.6-125				
2,2-Dichloropropane	9.50		"	10.0		95.0	69-133				
2-Chlorotoluene	8.74		"	10.0		87.4	66.3-119				
2-Hexanone	10.4		"	10.0		104	70-130				
4-Chlorotoluene	9.15		"	10.0		91.5	69.2-127				
Acetone	6.10		"	10.0		61.0	70-130	Low Bias			
Benzene	8.60		"	10.0		86.0	76.2-129				
Bromobenzene	8.86		"	10.0		88.6	71.3-123				
Bromochloromethane	8.86		"	10.0		88.6	70.8-137				
Bromodichloromethane	9.63		"	10.0		96.3	79.7-134				
Bromoform	10.0		"	10.0		100	70.5-141				
Bromomethane	10.2		"	10.0		102	43.9-147				
Carbon tetrachloride	9.53		"	10.0		95.3	78.1-138				
Chlorobenzene	9.42		"	10.0		94.2	80.4-125				
Chloroethane	9.81		"	10.0		98.1	55.8-140				
Chloroform	8.81		"	10.0		88.1	76.6-133				
Chloromethane	10.2		"	10.0		102	48.8-115				
cis-1,2-Dichloroethylene	9.16		"	10.0		91.6	75.1-128				
cis-1,3-Dichloropropylene	9.70		"	10.0		97.0	74.5-128				

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 BC30939 - EPA 5030B											
LCS (BC30939-BS1)							Prepared & Analyzed: 03/19/2013				
Dibromochloromethane	9.97		ug/L	10.0		99.7	79.8-134				
Dibromomethane	9.22		"	10.0		92.2	79-130				
Dichlorodifluoromethane	13.3		"	10.0		133	47.1-101	High Bias			
Ethyl Benzene	9.65		"	10.0		96.5	80.8-128				
Hexachlorobutadiene	11.0		"	10.0		110	64.8-128				
Isopropylbenzene	8.47		"	10.0		84.7	75.5-135				
Methyl tert-butyl ether (MTBE)	9.65		"	10.0		96.5	65.1-140				
Methylene chloride	6.62		"	10.0		66.2	61.3-120				
Naphthalene	11.8		"	10.0		118	62.3-148				
n-Butylbenzene	9.45		"	10.0		94.5	67.2-123				
n-Propylbenzene	8.55		"	10.0		85.5	70.5-127				
o-Xylene	9.48		"	10.0		94.8	75.9-122				
p- & m- Xylenes	19.4		"	20.0		97.2	77.7-127				
p-Isopropyltoluene	9.72		"	10.0		97.2	75.6-129				
sec-Butylbenzene	9.07		"	10.0		90.7	71.5-125				
Styrene	14.8		"	10.0		148	77.8-123	High Bias			
tert-Butylbenzene	8.80		"	10.0		88.0	75.9-151				
Tetrachloroethylene	9.08		"	10.0		90.8	63.6-167				
Toluene	9.16		"	10.0		91.6	77-123				
trans-1,2-Dichloroethylene	8.85		"	10.0		88.5	76.3-139				
trans-1,3-Dichloropropylene	9.39		"	10.0		93.9	72.5-137				
Trichloroethylene	9.77		"	10.0		97.7	77.9-130				
Trichlorofluoromethane	10.3		"	10.0		103	57.4-133				
Vinyl Chloride	10.5		"	10.0		105	54.9-124				
Surrogate: 1,2-Dichloroethane-d4	*9.88*		*"*	*10.0*		*98.8*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*8.99*		*"*	*10.0*		*89.9*	*63.5-145*				
Surrogate: Toluene-d8	*9.83*		*"*	*10.0*		*98.3*	*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 BC30939 - EPA 5030B											
LCS Dup (BC30939-BSD1)							Prepared & Analyzed: 03/19/2013				
1,1,1,2-Tetrachloroethane	10.1		ug/L	10.0		101	82.3-130		4.85	21.1	
1,1,1-Trichloroethane	8.89		"	10.0		88.9	75.6-137		2.97	19.7	
1,1,2,2-Tetrachloroethane	10.3		"	10.0		103	71.3-131		12.8	20.8	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.54		"	10.0		95.4	71.1-129		1.56	21.7	
1,1,2-Trichloroethane	9.54		"	10.0		95.4	74.5-129		8.72	20.3	
1,1-Dichloroethane	9.45		"	10.0		94.5	79.6-132		2.46	20.6	
1,1-Dichloroethylene	9.27		"	10.0		92.7	80.2-146		0.216	20	
1,1-Dichloropropylene	8.70		"	10.0		87.0	75-136		2.44	19.3	
1,2,3-Trichlorobenzene	10.6		"	10.0		106	66.1-136		1.04	21.6	
1,2,3-Trichloropropane	10.9		"	10.0		109	63-131		4.97	23.9	
1,2,4-Trichlorobenzene	10.9		"	10.0		109	70.6-136		13.6	21.7	
1,2,4-Trimethylbenzene	11.0		"	10.0		110	75.3-135		2.25	18.8	
1,2-Dibromo-3-chloropropane	13.1		"	10.0		131	58.9-140		11.1	27.7	
1,2-Dibromoethane	9.88		"	10.0		98.8	79-130		3.71	23	
1,2-Dichlorobenzene	10.2		"	10.0		102	76.1-122		10.0	19.8	
1,2-Dichloroethane	8.71		"	10.0		87.1	74.6-132		4.16	20.2	
1,2-Dichloropropane	10.1		"	10.0		101	76.9-129		4.14	20.7	
1,3,5-Trimethylbenzene	10.2		"	10.0		102	70.6-127		6.14	18.9	
1,3-Dichlorobenzene	10.2		"	10.0		102	77-124		11.9	19.2	
1,3-Dichloropropane	9.48		"	10.0		94.8	75.8-126		2.78	22.1	
1,4-Dichlorobenzene	10.3		"	10.0		103	76.6-125		15.7	18.6	
2,2-Dichloropropane	9.38		"	10.0		93.8	69-133		1.27	19.8	
2-Chlorotoluene	9.48		"	10.0		94.8	66.3-119		8.12	21.6	
2-Hexanone	10.6		"	10.0		106	70-130		1.72	30	
4-Chlorotoluene	9.96		"	10.0		99.6	69.2-127		8.48	19	
Acetone	5.90		"	10.0		59.0	70-130	Low Bias	3.33	30	
Benzene	9.06		"	10.0		90.6	76.2-129		5.21	19	
Bromobenzene	9.80		"	10.0		98.0	71.3-123		10.1	20.3	
Bromochloromethane	8.86		"	10.0		88.6	70.8-137		0.00	23.9	
Bromodichloromethane	9.48		"	10.0		94.8	79.7-134		1.57	21	
Bromoform	9.62		"	10.0		96.2	70.5-141		3.97	21.8	
Bromomethane	9.90		"	10.0		99.0	43.9-147		3.28	28.4	
Carbon tetrachloride	9.40		"	10.0		94.0	78.1-138		1.37	20.1	
Chlorobenzene	9.15		"	10.0		91.5	80.4-125		2.91	19.9	
Chloroethane	10.2		"	10.0		102	55.8-140		4.09	23.3	
Chloroform	8.88		"	10.0		88.8	76.6-133		0.791	20.3	
Chloromethane	10.3		"	10.0		103	48.8-115		1.56	24.5	
cis-1,2-Dichloroethylene	8.79		"	10.0		87.9	75.1-128		4.12	20.5	
cis-1,3-Dichloropropylene	9.83		"	10.0		98.3	74.5-128		1.33	19.9	
Dibromochloromethane	9.74		"	10.0		97.4	79.8-134		2.33	21.3	
Dibromomethane	9.95		"	10.0		99.5	79-130		7.62	22.4	
Dichlorodifluoromethane	11.8		"	10.0		118	47.1-101	High Bias	12.3	23.9	
Ethyl Benzene	10.0		"	10.0		100	80.8-128		3.86	19.2	
Hexachlorobutadiene	11.6		"	10.0		116	64.8-128		5.12	20.6	
Isopropylbenzene	9.54		"	10.0		95.4	75.5-135		11.9	20	
Methyl tert-butyl ether (MTBE)	9.15		"	10.0		91.5	65.1-140		5.32	23.6	
Methylene chloride	6.75		"	10.0		67.5	61.3-120		1.94	20.4	
Naphthalene	12.3		"	10.0		123	62.3-148		4.14	27.1	
n-Butylbenzene	10.2		"	10.0		102	67.2-123		7.24	19.1	
n-Propylbenzene	9.52		"	10.0		95.2	70.5-127		10.7	23.4	
o-Xylene	9.58		"	10.0		95.8	75.9-122		1.05	19.3	
p- & m- Xylenes	19.7		"	20.0		98.6	77.7-127		1.38	18.6	
p-Isopropyltoluene	10.2		"	10.0		102	75.6-129		5.21	19.1	
sec-Butylbenzene	10.1		"	10.0		101	71.5-125		11.1	18.9	

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 BC30939 - EPA 5030B											
LCS Dup (BC30939-BSD1)							Prepared & Analyzed: 03/19/2013				
Styrene	13.0		ug/L	10.0		130	77.8-123	High Bias	13.1	20.9	
tert-Butylbenzene	10.0		"	10.0		100	75.9-151		13.1	20.9	
Tetrachloroethylene	9.66		"	10.0		96.6	63.6-167		6.19	27.7	
Toluene	9.21		"	10.0		92.1	77-123		0.544	18.7	
trans-1,2-Dichloroethylene	8.96		"	10.0		89.6	76.3-139		1.24	19.5	
trans-1,3-Dichloropropylene	10.4		"	10.0		104	72.5-137		10.1	19.3	
Trichloroethylene	10.3		"	10.0		103	77.9-130		5.57	20.5	
Trichlorofluoromethane	10.2		"	10.0		102	57.4-133		1.37	21.4	
Vinyl Chloride	10.4		"	10.0		104	54.9-124		1.34	22.3	
Surrogate: 1,2-Dichloroethane-d4	*9.33*		*"*	*10.0*		*93.3*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*10.0*		*"*	*10.0*		*100*	*63.5-145*				
Surrogate: Toluene-d8	*10.1*		*"*	*10.0*		*101*	*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 BC30865 - EPA 3010A											
Blank (BC30865-BLK1)								Prepared & Analyzed: 03/18/2013			
Iron - Dissolved	ND	0.0200	mg/L								
Duplicate (BC30865-DUP1)	*Source sample: 13C0406-01 (WQ031313:1140NP2-10)							Prepared & Analyzed: 03/18/2013			
Iron - Dissolved	0.0221	0.0200	mg/L		0.0203				8.20	20	
Matrix Spike (BC30865-MS1)	*Source sample: 13C0406-01 (WQ031313:1140NP2-10)							Prepared & Analyzed: 03/18/2013			
Iron - Dissolved	1.05	0.0200	mg/L	1.00	0.0203	103	75-125				
Reference (BC30865-SRM1)								Prepared & Analyzed: 03/18/2013			
Iron - Dissolved	0.446	0.0200	mg/L	0.462		96.5	87.9-114				

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 BC30866 - EPA 3010A											
Blank (BC30866-BLK1)								Prepared & Analyzed: 03/18/2013			
Iron	ND	0.0200	mg/L								
Reference (BC30866-SRM1)								Prepared & Analyzed: 03/18/2013			
Iron	0.453	0.0200	mg/L	0.462		98.1	87.9-114				

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 BC30785 - % Solids Prep											
Blank (BC30785-BLK1)								Prepared & Analyzed: 03/17/2013			
Total Dissolved Solids	ND	1.00	mg/L								
Duplicate (BC30785-DUP1)	*Source sample: 13C0406-01 (WQ031313:1140NP2-10)							Prepared & Analyzed: 03/17/2013			
Total Dissolved Solids	133	1.00	mg/L		118				12.0	15	

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
13C0405-01	WQ031313:1130NP2-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13C0405-02	WQ031313:1135NP2-7	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13C0406-01	WQ031313:1140NP2-10	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); 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. 13C0405

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: ↓		RUSH - Next Day ☐	Summary w/ QA Summary X, pdf
Phone No. 203-929-8555	Phone No.	Phone No.	Purchase Order No.	RUSH - Two Day ☐	CT RCP Package
Contact Person: Tunde Sandor	Attention:	Attention:	HABSAG.	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.

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): [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	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	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)
WQ031313:1130NP2-6	3/13/13 1130	GW	Fe by EPA 200.7 / Fe, Dissolved by EPA 6010 (SW846-6010B) / VOCs, 8260 List (EPA SW845-8260B) plus freon 113	2V 2P
WQ031313:1135NP2-7	↓ 1135	GW	↓	2V 2P
WQ031313:1140NP2-10	↓ 1140	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)	2V 3P

Comments

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

Special Instructions: Field Filtered ☐ Lab to Filter ☐

Samples Relinquished By	Date/Time	Samples Received By	Date/Time
[signature]	3/14/13	[signature]	3/14 1:00
Samples Relinquished By	Date/Time	Samples Received in LAB by: [signature]	3-14-13 1510

Temperature on Receipt: 3.5 °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. 13C0406

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: ↓		RUSH - Next Day ☐	Summary w/ QA Summary X, pdf
Phone No. 203-929-8555	Phone No.	Phone No.	Purchase Order No.	RUSH - Two Day ☐	CT RCP Package
Contact Person: Tunde Sandor	Attention:	Attention:	HABSAG.	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)

STEPHEN TINAT
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	BTU/lb.
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part 360-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)
WQ031313:1130NP2-6	3/13/13	1130	GW	Fe by EPA 200.7 / Fe, Dissolved by EPA 6010 (SW846-6010B) / VOCs, 8260 List (EPA SW845-8260B) plus freon 113	2v 2P
WQ031313:1135NP2-7	↓	1135	GW	↓	2v 2P
WQ031313:1140NP2-10	↓	1140	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)	2v 3P

Comments

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

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Samples Relinquished By	Date/Time	Samples Received By	Date/Time	Temperature on Receipt
[signature]	3/14/13	[signature]	3/14 1100	3.5°C
Samples Relinquished By	Date/Time	Samples Received in LAB by [signature]	3-14-13 1510	

YORK
ANALYTICAL LABORATORIES, INC.

Technical Report

prepared for:

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

Report Date: 03/27/2013
Client Project ID: Rowe Industries
York Project (SDG) No.: 13C0663

Report Date: 03/27/2013
Client Project ID: Rowe Industries
York Project (SDG) No.: 13C0663

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 March 22, 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
13C0663-01	WQ032013:1545NP-6	Water	03/20/2013	03/22/2013
13C0663-02	WQ032013:1550NP-7	Water	03/20/2013	03/22/2013
13C0665-01	WQ032013:1555NP-10	Water	03/20/2013	03/22/2013

General Notes for York Project (SDG) No.: 13C0663

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: 03/27/2013

Robert Q. Bradley
Laboratory Director

YORK

Sample Information

Client Sample ID: WQ032013:1545NP-6 **York Sample ID:** 13C0663-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13C0663	Rowe Industries	Water	March 20, 2013 3:45 pm	03/22/2013

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	0.071	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 18:58	SS
71-55-6	1,1,1-Trichloroethane	**0.50**		ug/L	0.024	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 18:58	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 18:58	SS
76-13-1	1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/L	0.074	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 18:58	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 18:58	SS
75-34-3	1,1-Dichloroethane	**0.22**	J	ug/L	0.044	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 18:58	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 18:58	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.11	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 18:58	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.12	2.0	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 18:58	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 18:58	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.11	2.0	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 18:58	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 18:58	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.46	2.0	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 18:58	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.15	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 18:58	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 18:58	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 18:58	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.051	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 18:58	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.059	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 18:58	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 18:58	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 18:58	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 18:58	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.096	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 18:58	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.084	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 18:58	SS
591-78-6	2-Hexanone	ND		ug/L	0.24	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 18:58	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.072	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 18:58	SS
67-64-1	Acetone	ND		ug/L	0.90	2.0	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 18:58	SS
71-43-2	Benzene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 18:58	SS
108-86-1	Bromobenzene	ND		ug/L	0.081	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 18:58	SS
74-97-5	Bromochloromethane	ND		ug/L	0.10	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 18:58	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.054	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 18:58	SS
75-25-2	Bromoform	**0.29**	J	ug/L	0.079	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 18:58	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 18:58	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 18:58	SS
108-90-7	Chlorobenzene	ND		ug/L	0.063	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 18:58	SS

Sample Information

Client Sample ID: WQ032013:1545NP-6 **York Sample ID:** 13C0663-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13C0663	Rowe Industries	Water	March 20, 2013 3:45 pm	03/22/2013

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	0.090	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 18:58	SS
67-66-3	Chloroform	**0.13**	J	ug/L	0.079	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 18:58	SS
74-87-3	Chloromethane	ND		ug/L	0.076	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 18:58	SS
156-59-2	cis-1,2-Dichloroethylene	**0.15**	J	ug/L	0.069	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 18:58	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.067	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 18:58	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.053	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 18:58	SS
74-95-3	Dibromomethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 18:58	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.092	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 18:58	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.057	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 18:58	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 18:58	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.056	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 18:58	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.48	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 18:58	SS
75-09-2	Methylene chloride	ND		ug/L	0.26	2.0	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 18:58	SS
91-20-3	Naphthalene	ND		ug/L	0.090	2.0	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 18:58	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.083	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 18:58	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 18:58	SS
95-47-6	o-Xylene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 18:58	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/L	0.090	1.0	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 18:58	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 18:58	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 18:58	SS
100-42-5	Styrene	ND		ug/L	0.043	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 18:58	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 18:58	SS
127-18-4	Tetrachloroethylene	**0.85**		ug/L	0.070	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 18:58	SS
108-88-3	Toluene	ND		ug/L	0.042	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 18:58	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 18:58	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.060	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 18:58	SS
79-01-6	Trichloroethylene	**0.17**	J	ug/L	0.071	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 18:58	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.094	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 18:58	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.062	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 18:58	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.12	1.5	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 18:58	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*106 %*	*72.6-129*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*119 %*	*63.5-145*
2037-26-5	*Surrogate: Toluene-d8*	*102 %*	*81.2-127*

Sample Information

Client Sample ID: WQ032013:1545NP-6 **York Sample ID:** 13C0663-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13C0663	Rowe Industries	Water	March 20, 2013 3:45 pm	03/22/2013

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	0.0100	0.0200	1	EPA SW846-6010B	03/25/2013 14:50	03/25/2013 18:26	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	**3.96**		mg/L	0.0100	0.0200	1	EPA 200.7	03/25/2013 14:53	03/25/2013 20:25	MW

Sample Information

Client Sample ID: WQ032013:1550NP-7 **York Sample ID:** 13C0663-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13C0663	Rowe Industries	Water	March 20, 2013 3:50 pm	03/22/2013

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	0.071	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 19:37	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.024	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 19:37	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 19:37	SS
76-13-1	1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/L	0.074	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 19:37	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 19:37	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 19:37	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 19:37	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.11	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 19:37	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.12	2.0	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 19:37	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 19:37	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.11	2.0	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 19:37	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 19:37	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.46	2.0	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 19:37	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.15	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 19:37	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 19:37	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 19:37	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.051	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 19:37	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.059	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 19:37	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 19:37	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 19:37	SS

Sample Information

Client Sample ID: WQ032013:1550NP-7 **York Sample ID:** 13C0663-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13C0663	Rowe Industries	Water	March 20, 2013 3:50 pm	03/22/2013

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	0.048	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 19:37	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.096	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 19:37	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.084	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 19:37	SS
591-78-6	2-Hexanone	ND		ug/L	0.24	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 19:37	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.072	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 19:37	SS
67-64-1	Acetone	ND		ug/L	0.90	2.0	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 19:37	SS
71-43-2	Benzene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 19:37	SS
108-86-1	Bromobenzene	ND		ug/L	0.081	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 19:37	SS
74-97-5	Bromochloromethane	ND		ug/L	0.10	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 19:37	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.054	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 19:37	SS
75-25-2	Bromoform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 19:37	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 19:37	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 19:37	SS
108-90-7	Chlorobenzene	ND		ug/L	0.063	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 19:37	SS
75-00-3	Chloroethane	ND		ug/L	0.090	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 19:37	SS
67-66-3	Chloroform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 19:37	SS
74-87-3	Chloromethane	ND		ug/L	0.076	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 19:37	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.069	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 19:37	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.067	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 19:37	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.053	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 19:37	SS
74-95-3	Dibromomethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 19:37	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.092	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 19:37	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.057	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 19:37	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 19:37	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.056	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 19:37	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.48	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 19:37	SS
75-09-2	Methylene chloride	ND		ug/L	0.26	2.0	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 19:37	SS
91-20-3	Naphthalene	ND		ug/L	0.090	2.0	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 19:37	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.083	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 19:37	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 19:37	SS
95-47-6	o-Xylene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 19:37	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/L	0.090	1.0	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 19:37	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 19:37	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 19:37	SS

Sample Information

Client Sample ID: WQ032013:1550NP-7 **York Sample ID:** 13C0663-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13C0663	Rowe Industries	Water	March 20, 2013 3:50 pm	03/22/2013

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
100-42-5	Styrene	ND		ug/L	0.043	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 19:37	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 19:37	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 19:37	SS
108-88-3	Toluene	ND		ug/L	0.042	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 19:37	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 19:37	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.060	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 19:37	SS
79-01-6	Trichloroethylene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 19:37	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.094	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 19:37	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.062	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 19:37	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.12	1.5	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 19:37	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*101 %*	*72.6-129*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*120 %*	*63.5-145*
2037-26-5	*Surrogate: Toluene-d8*	*103 %*	*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	**0.0555**		mg/L	0.0100	0.0200	1	EPA SW846-6010B	03/25/2013 14:50	03/25/2013 18:31	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	**1.15**		mg/L	0.0100	0.0200	1	EPA 200.7	03/25/2013 14:53	03/25/2013 20:29	MW

Sample Information

Client Sample ID: WQ032013:1555NP-10 **York Sample ID:** 13C0665-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13C0665	Rowe Industries	Water	March 20, 2013 3:55 pm	03/22/2013

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	0.071	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 17:02	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.024	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 17:02	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 17:02	SS
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/L	0.074	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 17:02	SS

Sample Information

Client Sample ID: WQ032013:1555NP-10 **York Sample ID:** 13C0665-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13C0665	Rowe Industries	Water	March 20, 2013 3:55 pm	03/22/2013

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
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 17:02	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 17:02	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 17:02	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.11	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 17:02	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.12	2.0	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 17:02	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 17:02	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.11	2.0	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 17:02	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 17:02	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.46	2.0	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 17:02	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.15	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 17:02	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 17:02	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 17:02	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.051	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 17:02	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.059	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 17:02	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 17:02	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 17:02	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 17:02	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.096	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 17:02	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.084	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 17:02	SS
591-78-6	2-Hexanone	ND		ug/L	0.24	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 17:02	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.072	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 17:02	SS
67-64-1	Acetone	ND		ug/L	0.90	2.0	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 17:02	SS
71-43-2	Benzene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 17:02	SS
108-86-1	Bromobenzene	ND		ug/L	0.081	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 17:02	SS
74-97-5	Bromochloromethane	ND		ug/L	0.10	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 17:02	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.054	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 17:02	SS
75-25-2	Bromoform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 17:02	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 17:02	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 17:02	SS
108-90-7	Chlorobenzene	ND		ug/L	0.063	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 17:02	SS
75-00-3	Chloroethane	ND		ug/L	0.090	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 17:02	SS
67-66-3	Chloroform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 17:02	SS
74-87-3	Chloromethane	ND		ug/L	0.076	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 17:02	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.069	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 17:02	SS

Sample Information

Client Sample ID: WQ032013:1555NP-10 **York Sample ID:** 13C0665-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13C0665	Rowe Industries	Water	March 20, 2013 3:55 pm	03/22/2013

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
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.067	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 17:02	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.053	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 17:02	SS
74-95-3	Dibromomethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 17:02	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.092	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 17:02	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.057	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 17:02	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 17:02	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.056	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 17:02	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.48	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 17:02	SS
75-09-2	Methylene chloride	ND		ug/L	0.26	2.0	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 17:02	SS
91-20-3	Naphthalene	ND		ug/L	0.090	2.0	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 17:02	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.083	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 17:02	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 17:02	SS
95-47-6	o-Xylene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 17:02	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/L	0.090	1.0	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 17:02	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 17:02	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 17:02	SS
100-42-5	Styrene	ND		ug/L	0.043	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 17:02	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 17:02	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 17:02	SS
108-88-3	Toluene	ND		ug/L	0.042	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 17:02	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 17:02	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.060	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 17:02	SS
79-01-6	Trichloroethylene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 17:02	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.094	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 17:02	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.062	0.50	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 17:02	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.12	1.5	1	EPA SW846-8260B	03/26/2013 08:20	03/26/2013 17:02	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*108 %*	*72.6-129*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*123 %*	*63.5-145*
2037-26-5	*Surrogate: Toluene-d8*	*103 %*	*81.2-127*

Sample Information

Client Sample ID: WQ032013:1555NP-10 **York Sample ID:** 13C0665-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13C0665	Rowe Industries	Water	March 20, 2013 3:55 pm	03/22/2013

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	**0.0768**		mg/L	0.0100	0.0200	1	EPA SW846-6010B	03/25/2013 14:50	03/25/2013 18:35	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	**1.65**		mg/L	0.0100	0.0200	1	EPA 200.7	03/25/2013 14:53	03/25/2013 20:34	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	03/26/2013 10:34	03/26/2013 10:34	ALD

YORK
ANALYTICAL LABORATORIES, INC.

Analytical Batch Summary

Batch ID: BC31214 **Preparation Method:** % Solids Prep **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
13C0665-01	WQ032013:1555NP-10	03/26/13
BC31214-BLK1	Blank	03/26/13
BC31214-DUP1	Duplicate	03/26/13

Batch ID: BC31217 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
13C0663-01	WQ032013:1545NP-6	03/25/13
13C0663-02	WQ032013:1550NP-7	03/25/13
13C0665-01	WQ032013:1555NP-10	03/25/13
BC31217-BLK1	Blank	03/25/13
BC31217-DUP1	Duplicate	03/25/13
BC31217-MS1	Matrix Spike	03/25/13
BC31217-SRM1	Reference	03/25/13

Batch ID: BC31218 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
13C0663-01	WQ032013:1545NP-6	03/25/13
13C0663-02	WQ032013:1550NP-7	03/25/13
13C0665-01	WQ032013:1555NP-10	03/25/13
BC31218-BLK1	Blank	03/25/13
BC31218-DUP1	Duplicate	03/25/13
BC31218-MS1	Matrix Spike	03/25/13
BC31218-SRM1	Reference	03/25/13

Batch ID: BC31255 **Preparation Method:** EPA 5030B **Prepared By:** EKM

YORK Sample ID	Client Sample ID	Preparation Date
13C0663-01	WQ032013:1545NP-6	03/26/13
13C0663-02	WQ032013:1550NP-7	03/26/13
13C0665-01	WQ032013:1555NP-10	03/26/13
BC31255-BLK1	Blank	03/26/13
BC31255-BS1	LCS	03/26/13
BC31255-BSD1	LCS Dup	03/26/13

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 BC31255 - EPA 5030B											
Blank (BC31255-BLK1)											Prepared & Analyzed: 03/26/2013
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	1.5	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	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	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 BC31255 - EPA 5030B											
Blank (BC31255-BLK1)								Prepared & Analyzed: 03/26/2013			
Styrene	ND	0.50	ug/L								
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	*12.0*		*"*	*10.0*		*120*	*63.5-145*				
Surrogate: Toluene-d8	*10.2*		*"*	*10.0*		*102*	*81.2-127*				
LCS (BC31255-BS1)								Prepared & Analyzed: 03/26/2013			
1,1,1,2-Tetrachloroethane	9.49		ug/L	10.0		94.9	82.3-130				
1,1,1-Trichloroethane	10.1		"	10.0		101	75.6-137				
1,1,2,2-Tetrachloroethane	10.5		"	10.0		105	71.3-131				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.44		"	10.0		94.4	71.1-129				
1,1,2-Trichloroethane	9.25		"	10.0		92.5	74.5-129				
1,1-Dichloroethane	9.81		"	10.0		98.1	79.6-132				
1,1-Dichloroethylene	9.39		"	10.0		93.9	80.2-146				
1,1-Dichloropropylene	9.17		"	10.0		91.7	75-136				
1,2,3-Trichlorobenzene	10.6		"	10.0		106	66.1-136				
1,2,3-Trichloropropane	9.60		"	10.0		96.0	63-131				
1,2,4-Trichlorobenzene	10.5		"	10.0		105	70.6-136				
1,2,4-Trimethylbenzene	15.4		"	10.0		154	75.3-135	High Bias			
1,2-Dibromo-3-chloropropane	7.34		"	10.0		73.4	58.9-140				
1,2-Dibromoethane	10.1		"	10.0		101	79-130				
1,2-Dichlorobenzene	9.64		"	10.0		96.4	76.1-122				
1,2-Dichloroethane	9.69		"	10.0		96.9	74.6-132				
1,2-Dichloropropane	9.13		"	10.0		91.3	76.9-129				
1,3,5-Trimethylbenzene	11.5		"	10.0		115	70.6-127				
1,3-Dichlorobenzene	9.61		"	10.0		96.1	77-124				
1,3-Dichloropropane	9.23		"	10.0		92.3	75.8-126				
1,4-Dichlorobenzene	9.85		"	10.0		98.5	76.6-125				
2,2-Dichloropropane	10.4		"	10.0		104	69-133				
2-Chlorotoluene	9.55		"	10.0		95.5	66.3-119				
2-Hexanone	9.90		"	10.0		99.0	70-130				
4-Chlorotoluene	9.97		"	10.0		99.7	69.2-127				
Acetone	7.93		"	10.0		79.3	70-130				
Benzene	10.2		"	10.0		102	76.2-129				
Bromobenzene	9.38		"	10.0		93.8	71.3-123				
Bromochloromethane	9.94		"	10.0		99.4	70.8-137				
Bromodichloromethane	9.90		"	10.0		99.0	79.7-134				
Bromoform	11.0		"	10.0		110	70.5-141				
Bromomethane	9.74		"	10.0		97.4	43.9-147				
Carbon tetrachloride	10.0		"	10.0		100	78.1-138				
Chlorobenzene	9.44		"	10.0		94.4	80.4-125				
Chloroethane	9.93		"	10.0		99.3	55.8-140				
Chloroform	10.2		"	10.0		102	76.6-133				
Chloromethane	10.2		"	10.0		102	48.8-115				
cis-1,2-Dichloroethylene	10.2		"	10.0		102	75.1-128				
cis-1,3-Dichloropropylene	10.0		"	10.0		100	74.5-128				

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 BC31255 - EPA 5030B											
LCS (BC31255-BS1)								Prepared & Analyzed: 03/26/2013			
Dibromochloromethane	10.6		ug/L	10.0		106	79.8-134				
Dibromomethane	9.59		"	10.0		95.9	79-130				
Dichlorodifluoromethane	11.8		"	10.0		118	47.1-101	High Bias			
Ethyl Benzene	9.99		"	10.0		99.9	80.8-128				
Hexachlorobutadiene	10.2		"	10.0		102	64.8-128				
Isopropylbenzene	10.1		"	10.0		101	75.5-135				
Methyl tert-butyl ether (MTBE)	9.89		"	10.0		98.9	65.1-140				
Methylene chloride	7.00		"	10.0		70.0	61.3-120				
Naphthalene	12.2		"	10.0		122	62.3-148				
n-Butylbenzene	9.95		"	10.0		99.5	67.2-123				
n-Propylbenzene	9.98		"	10.0		99.8	70.5-127				
o-Xylene	9.77		"	10.0		97.7	75.9-122				
p- & m- Xylenes	21.7		"	20.0		108	77.7-127				
p-Isopropyltoluene	11.1		"	10.0		111	75.6-129				
sec-Butylbenzene	10.2		"	10.0		102	71.5-125				
Styrene	15.4		"	10.0		154	77.8-123	High Bias			
tert-Butylbenzene	9.81		"	10.0		98.1	75.9-151				
Tetrachloroethylene	8.99		"	10.0		89.9	63.6-167				
Toluene	9.53		"	10.0		95.3	77-123				
trans-1,2-Dichloroethylene	8.98		"	10.0		89.8	76.3-139				
trans-1,3-Dichloropropylene	9.86		"	10.0		98.6	72.5-137				
Trichloroethylene	9.41		"	10.0		94.1	77.9-130				
Trichlorofluoromethane	10.2		"	10.0		102	57.4-133				
Vinyl Chloride	9.63		"	10.0		96.3	54.9-124				
Surrogate: 1,2-Dichloroethane-d4	*10.4*		*"*	*10.0*		*104*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*10.1*		*"*	*10.0*		*101*	*63.5-145*				
Surrogate: Toluene-d8	*9.83*		*"*	*10.0*		*98.3*	*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 BC31255 - EPA 5030B											
LCS Dup (BC31255-BSD1)							Prepared & Analyzed: 03/26/2013				
1,1,1,2-Tetrachloroethane	9.71		ug/L	10.0		97.1	82.3-130		2.29	21.1	
1,1,1-Trichloroethane	10.6		"	10.0		106	75.6-137		4.94	19.7	
1,1,2,2-Tetrachloroethane	10.1		"	10.0		101	71.3-131		3.20	20.8	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0		"	10.0		100	71.1-129		5.76	21.7	
1,1,2-Trichloroethane	9.16		"	10.0		91.6	74.5-129		0.978	20.3	
1,1-Dichloroethane	9.93		"	10.0		99.3	79.6-132		1.22	20.6	
1,1-Dichloroethylene	9.93		"	10.0		99.3	80.2-146		5.59	20	
1,1-Dichloropropylene	9.63		"	10.0		96.3	75-136		4.89	19.3	
1,2,3-Trichlorobenzene	10.8		"	10.0		108	66.1-136		2.05	21.6	
1,2,3-Trichloropropane	9.35		"	10.0		93.5	63-131		2.64	23.9	
1,2,4-Trichlorobenzene	10.7		"	10.0		107	70.6-136		1.13	21.7	
1,2,4-Trimethylbenzene	16.3		"	10.0		163	75.3-135	High Bias	5.74	18.8	
1,2-Dibromo-3-chloropropane	6.90		"	10.0		69.0	58.9-140		6.18	27.7	
1,2-Dibromoethane	9.52		"	10.0		95.2	79-130		5.62	23	
1,2-Dichlorobenzene	10.1		"	10.0		101	76.1-122		5.06	19.8	
1,2-Dichloroethane	9.31		"	10.0		93.1	74.6-132		4.00	20.2	
1,2-Dichloropropane	9.07		"	10.0		90.7	76.9-129		0.659	20.7	
1,3,5-Trimethylbenzene	12.5		"	10.0		125	70.6-127		8.17	18.9	
1,3-Dichlorobenzene	10.3		"	10.0		103	77-124		6.83	19.2	
1,3-Dichloropropane	9.00		"	10.0		90.0	75.8-126		2.52	22.1	
1,4-Dichlorobenzene	10.3		"	10.0		103	76.6-125		4.76	18.6	
2,2-Dichloropropane	10.8		"	10.0		108	69-133		3.49	19.8	
2-Chlorotoluene	10.2		"	10.0		102	66.3-119		6.58	21.6	
2-Hexanone	8.90		"	10.0		89.0	70-130		10.6	30	
4-Chlorotoluene	10.5		"	10.0		105	69.2-127		5.46	19	
Acetone	6.89		"	10.0		68.9	70-130	Low Bias	14.0	30	
Benzene	10.3		"	10.0		103	76.2-129		1.17	19	
Bromobenzene	9.69		"	10.0		96.9	71.3-123		3.25	20.3	
Bromochloromethane	9.61		"	10.0		96.1	70.8-137		3.38	23.9	
Bromodichloromethane	9.83		"	10.0		98.3	79.7-134		0.710	21	
Bromoform	10.8		"	10.0		108	70.5-141		1.38	21.8	
Bromomethane	9.58		"	10.0		95.8	43.9-147		1.66	28.4	
Carbon tetrachloride	10.5		"	10.0		105	78.1-138		4.19	20.1	
Chlorobenzene	9.73		"	10.0		97.3	80.4-125		3.03	19.9	
Chloroethane	10.3		"	10.0		103	55.8-140		3.95	23.3	
Chloroform	10.3		"	10.0		103	76.6-133		0.389	20.3	
Chloromethane	10.5		"	10.0		105	48.8-115		2.89	24.5	
cis-1,2-Dichloroethylene	10.2		"	10.0		102	75.1-128		0.391	20.5	
cis-1,3-Dichloropropylene	9.81		"	10.0		98.1	74.5-128		2.12	19.9	
Dibromochloromethane	10.2		"	10.0		102	79.8-134		3.85	21.3	
Dibromomethane	9.37		"	10.0		93.7	79-130		2.32	22.4	
Dichlorodifluoromethane	12.1		"	10.0		121	47.1-101	High Bias	2.85	23.9	
Ethyl Benzene	10.4		"	10.0		104	80.8-128		3.64	19.2	
Hexachlorobutadiene	10.8		"	10.0		108	64.8-128		6.28	20.6	
Isopropylbenzene	11.1		"	10.0		111	75.5-135		8.86	20	
Methyl tert-butyl ether (MTBE)	9.00		"	10.0		90.0	65.1-140		9.42	23.6	
Methylene chloride	7.03		"	10.0		70.3	61.3-120		0.428	20.4	
Naphthalene	11.9		"	10.0		119	62.3-148		2.42	27.1	
n-Butylbenzene	10.9		"	10.0		109	67.2-123		9.11	19.1	
n-Propylbenzene	11.0		"	10.0		110	70.5-127		9.45	23.4	
o-Xylene	10.0		"	10.0		100	75.9-122		2.53	19.3	
p- & m- Xylenes	22.4		"	20.0		112	77.7-127		3.44	18.6	
p-Isopropyltoluene	12.0		"	10.0		120	75.6-129		8.21	19.1	
sec-Butylbenzene	11.2		"	10.0		112	71.5-125		9.44	18.9	

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 BC31255 - EPA 5030B											
LCS Dup (BC31255-BSD1)							Prepared & Analyzed: 03/26/2013				
Styrene	15.1		ug/L	10.0		151	77.8-123	High Bias	2.04	20.9	
tert-Butylbenzene	10.6		"	10.0		106	75.9-151		7.93	20.9	
Tetrachloroethylene	9.66		"	10.0		96.6	63.6-167		7.18	27.7	
Toluene	9.82		"	10.0		98.2	77-123		3.00	18.7	
trans-1,2-Dichloroethylene	9.23		"	10.0		92.3	76.3-139		2.75	19.5	
trans-1,3-Dichloropropylene	9.28		"	10.0		92.8	72.5-137		6.06	19.3	
Trichloroethylene	9.88		"	10.0		98.8	77.9-130		4.87	20.5	
Trichlorofluoromethane	10.8		"	10.0		108	57.4-133		5.99	21.4	
Vinyl Chloride	10.3		"	10.0		103	54.9-124		6.72	22.3	
Surrogate: 1,2-Dichloroethane-d4	*10.1*		*"*	*10.0*		*101*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*10.6*		*"*	*10.0*		*106*	*63.5-145*				
Surrogate: Toluene-d8	*9.91*		*"*	*10.0*		*99.1*	*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 BC31217 - EPA 3010A											
Blank (BC31217-BLK1)								Prepared & Analyzed: 03/25/2013			
Iron - Dissolved	ND	0.0200	mg/L								
Duplicate (BC31217-DUP1)	*Source sample: 13C0665-01 (WQ032013:1555NP-10)							Prepared & Analyzed: 03/25/2013			
Iron - Dissolved	0.0574	0.0200	mg/L		0.0768				28.9	20	Non-dir.
Matrix Spike (BC31217-MS1)	*Source sample: 13C0665-01 (WQ032013:1555NP-10)							Prepared & Analyzed: 03/25/2013			
Iron - Dissolved	1.13	0.0200	mg/L	1.00	0.0768	105	75-125				
Reference (BC31217-SRM1)								Prepared & Analyzed: 03/25/2013			
Iron - Dissolved	0.461	0.0200	mg/L	0.462		99.7	87.9-114				

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 BC31218 - EPA 3010A											
Blank (BC31218-BLK1)								Prepared & Analyzed: 03/25/2013			
Iron	ND	0.0200	mg/L								
Duplicate (BC31218-DUP1)	*Source sample: 13C0665-01 (WQ032013:1555NP-10)							Prepared & Analyzed: 03/25/2013			
Iron	1.66	0.0200	mg/L		1.65				0.482	20	
Matrix Spike (BC31218-MS1)	*Source sample: 13C0665-01 (WQ032013:1555NP-10)							Prepared & Analyzed: 03/25/2013			
Iron	2.74	0.0200	mg/L	1.00	1.65	109	75-125				
Reference (BC31218-SRM1)								Prepared & Analyzed: 03/25/2013			
Iron	0.479	0.0200	mg/L	0.462		104	87.9-114				

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 BC31214 - % Solids Prep											
Blank (BC31214-BLK1)								Prepared & Analyzed: 03/26/2013			
Total Dissolved Solids	ND	1.00	mg/L								
Duplicate (BC31214-DUP1)	*Source sample: 13C0665-01 (WQ032013:1555NP-10)							Prepared & Analyzed: 03/26/2013			
Total Dissolved Solids	119	1.00	mg/L		118				0.844	15	

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
13C0663-01	WQ032013:1545NP-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13C0663-02	WQ032013:1550NP-7	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13C0665-01	WQ032013:1555NP-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); 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
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Field Chain-of-Custody Record

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

York Project No. 13C0663

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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.
NAB5A6

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(s)	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	BTU's
Aromatics only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part 360-Extended	Aquatic Tox.
Halog. only	NJDEP list	App. IX	Chlordane	Trivalent 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		Ethane	TAGM	Silica

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
WQ032013:1545NP2-6	3/20/13 1545	GW	Fe by EPA 200.7 / Fe, Dissolved by EPA 6010 (SW846-6010B) / VOCs, 8260 List (EPA SW846-8260B) plus freon 113	2x 28
WQ032013:1550NP2-7	1550	GW	↓	2x 28
WQ032013.1555NP2.10	1555	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)	2x 38

Comments

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

4°C ___ Frozen ___ HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___
Zn Ac ___ Ascorbic Acid ___ Other ___

Samples Relinquished By: [signature] 3/22/13 1350 Date/Time
Samples Received By: [signature] 3.22-13 1350 Date/Time
Samples Relinquished By: ___ Date/Time
Samples Received at LAB by: Grace 3-22-13 1570 Date/Time

Temperature on Receipt: 3.7 °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. 13C0665

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

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

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

YOUR Project ID
Rowe Industries.

Purchase Order No.
HABSAG.

Samples from: CT ___ NY X NJ ___

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

Report Type
Summary Report X, pdf
Summary w/ QA Summary X, pdf
CT RCP Package
CTRCP DQA/DUE Pkg
NY ASP A Package
NY ASP B Package NP2-10 only, pdf.
NJDEP Red. Deliv.

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

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

Samples Collected/Authorized By (Signature)
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 Pb Dusts-Paints	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	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)
WQ032013:1545NP2-6	3/20/13	1545	GW	Fe by EPA 200.7 / Fe, Dissolved by EPA 6010 (SW846-6010B) / VOCs, 8260 List (EPA SW846-8260B) plus freon 113	2v 2P
WQ032013:1550NP2-7	↓	1550	GW	↓	2v 2P
WQ032013:1555NP2-10	↓	1555	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)	2v 3P

Comments

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

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

Samples Relinquished By 3/22/13 1350 Date/Time
Samples Received By 3-22-13 13:50 Date/Time
Samples Relinquished By Date/Time
Samples Received in LAB by Date/Time
Pace 3-22-13 1510

Temperature on Receipt 3.7 °C

YORK
ANALYTICAL LABORATORIES, INC.

Technical Report

prepared for:

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

Report Date: 04/08/2013
Client Project ID: Rowe Industries
York Project (SDG) No.: 13D0135

Report Date: 04/08/2013
Client Project ID: Rowe Industries
York Project (SDG) No.: 13D0135

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 April 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
13D0135-01	WQ032813:1700NP2-6	Water	03/28/2013	04/02/2013
13D0135-02	WQ032813:1705NP2-7	Water	03/28/2013	04/02/2013
13D0138-01	WQ032813:1710NP2-10	Water	03/28/2013	04/02/2013

General Notes for York Project (SDG) No.: 13D0135

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: 04/08/2013

Robert Q. Bradley
Laboratory Director

YORK

Sample Information

Client Sample ID: WQ032813:1700NP2-6 **York Sample ID:** 13D0135-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13D0135	Rowe Industries	Water	March 28, 2013 5:00 pm	04/02/2013

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	0.071	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 15:27	SS
71-55-6	1,1,1-Trichloroethane	**0.30**	J	ug/L	0.024	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 15:27	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 15:27	SS
76-13-1	1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/L	0.074	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 15:27	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 15:27	SS
75-34-3	1,1-Dichloroethane	**0.14**	J	ug/L	0.044	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 15:27	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 15:27	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.11	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 15:27	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.12	2.0	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 15:27	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 15:27	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.11	2.0	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 15:27	SS
95-63-6	1,2,4-Trimethylbenzene	**0.16**	J	ug/L	0.068	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 15:27	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.46	2.0	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 15:27	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.15	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 15:27	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 15:27	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 15:27	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.051	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 15:27	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.059	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 15:27	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 15:27	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 15:27	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 15:27	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.096	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 15:27	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.084	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 15:27	SS
591-78-6	2-Hexanone	ND		ug/L	0.24	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 15:27	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.072	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 15:27	SS
67-64-1	Acetone	ND		ug/L	0.90	2.0	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 15:27	SS
71-43-2	Benzene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 15:27	SS
108-86-1	Bromobenzene	ND		ug/L	0.081	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 15:27	SS
74-97-5	Bromochloromethane	ND		ug/L	0.10	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 15:27	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.054	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 15:27	SS
75-25-2	Bromoform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 15:27	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 15:27	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 15:27	SS
108-90-7	Chlorobenzene	ND		ug/L	0.063	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 15:27	SS

Sample Information

Client Sample ID: WQ032813:1700NP2-6 **York Sample ID:** 13D0135-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13D0135	Rowe Industries	Water	March 28, 2013 5:00 pm	04/02/2013

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
75-00-3	Chloroethane	ND		ug/L	0.090	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 15:27	SS
67-66-3	Chloroform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 15:27	SS
74-87-3	Chloromethane	ND		ug/L	0.076	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 15:27	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.069	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 15:27	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.067	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 15:27	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.053	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 15:27	SS
74-95-3	Dibromomethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 15:27	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.092	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 15:27	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.057	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 15:27	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 15:27	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.056	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 15:27	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.48	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 15:27	SS
75-09-2	Methylene chloride	ND		ug/L	0.26	2.0	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 15:27	SS
91-20-3	Naphthalene	**0.77**	J, B	ug/L	0.090	2.0	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 15:27	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.083	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 15:27	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 15:27	SS
95-47-6	o-Xylene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 15:27	SS
179601-23-1	p- & m- Xylenes	**0.16**	J	ug/L	0.090	1.0	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 15:27	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 15:27	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 15:27	SS
100-42-5	Styrene	ND		ug/L	0.043	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 15:27	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 15:27	SS
127-18-4	Tetrachloroethylene	**0.66**		ug/L	0.070	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 15:27	SS
108-88-3	Toluene	ND		ug/L	0.042	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 15:27	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 15:27	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.060	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 15:27	SS
79-01-6	Trichloroethylene	**0.16**	J	ug/L	0.071	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 15:27	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.094	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 15:27	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.062	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 15:27	SS
1330-20-7	Xylenes, Total	**0.16**	J	ug/L	0.12	1.5	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 15:27	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*106 %*	*72.6-129*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*113 %*	*63.5-145*
2037-26-5	*Surrogate: Toluene-d8*	*105 %*	*81.2-127*

Sample Information

Client Sample ID: WQ032813:1700NP2-6 **York Sample ID:** 13D0135-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13D0135	Rowe Industries	Water	March 28, 2013 5:00 pm	04/02/2013

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	0.0100	0.0200	1	EPA SW846-6010B	04/04/2013 14:54	04/04/2013 18:41	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	**22.3**		mg/L	0.0100	0.0200	1	EPA 200.7	04/04/2013 14:56	04/04/2013 20:08	MW

Sample Information

Client Sample ID: WQ032813:1705NP2-7 **York Sample ID:** 13D0135-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13D0135	Rowe Industries	Water	March 28, 2013 5:05 pm	04/02/2013

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	0.071	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:03	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.024	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:03	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:03	SS
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/L	0.074	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:03	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:03	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:03	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:03	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.11	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:03	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.12	2.0	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:03	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:03	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.11	2.0	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:03	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:03	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.46	2.0	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:03	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.15	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:03	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:03	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:03	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.051	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:03	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.059	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:03	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:03	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:03	SS

Sample Information

Client Sample ID: WQ032813:1705NP2-7 **York Sample ID:** 13D0135-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13D0135	Rowe Industries	Water	March 28, 2013 5:05 pm	04/02/2013

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
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:03	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.096	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:03	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.084	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:03	SS
591-78-6	2-Hexanone	ND		ug/L	0.24	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:03	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.072	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:03	SS
67-64-1	Acetone	ND		ug/L	0.90	2.0	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:03	SS
71-43-2	Benzene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:03	SS
108-86-1	Bromobenzene	ND		ug/L	0.081	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:03	SS
74-97-5	Bromochloromethane	ND		ug/L	0.10	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:03	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.054	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:03	SS
75-25-2	Bromoform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:03	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:03	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:03	SS
108-90-7	Chlorobenzene	ND		ug/L	0.063	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:03	SS
75-00-3	Chloroethane	ND		ug/L	0.090	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:03	SS
67-66-3	Chloroform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:03	SS
74-87-3	Chloromethane	ND		ug/L	0.076	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:03	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.069	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:03	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.067	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:03	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.053	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:03	SS
74-95-3	Dibromomethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:03	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.092	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:03	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.057	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:03	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:03	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.056	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:03	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.48	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:03	SS
75-09-2	Methylene chloride	ND		ug/L	0.26	2.0	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:03	SS
91-20-3	Naphthalene	**0.26**	J, B	ug/L	0.090	2.0	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:03	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.083	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:03	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:03	SS
95-47-6	o-Xylene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:03	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.090	1.0	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:03	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:03	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:03	SS

Sample Information

Client Sample ID: WQ032813:1705NP2-7 **York Sample ID:** 13D0135-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13D0135	Rowe Industries	Water	March 28, 2013 5:05 pm	04/02/2013

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
100-42-5	Styrene	ND		ug/L	0.043	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:03	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:03	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:03	SS
108-88-3	Toluene	ND		ug/L	0.042	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:03	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:03	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.060	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:03	SS
79-01-6	Trichloroethylene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:03	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.094	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:03	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.062	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:03	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.12	1.5	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:03	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*101 %*	*72.6-129*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*119 %*	*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	ND		mg/L	0.0100	0.0200	1	EPA SW846-6010B	04/04/2013 14:54	04/04/2013 18:46	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	**30.0**		mg/L	0.0100	0.0200	1	EPA 200.7	04/04/2013 14:56	04/04/2013 20:13	MW

Sample Information

Client Sample ID: WQ032813:1710NP2-10 **York Sample ID:** 13D0138-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13D0138	Rowe Industries	Water	March 28, 2013 5:10 pm	04/02/2013

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	0.071	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:38	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.024	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:38	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:38	SS
76-13-1	1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/L	0.074	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:38	SS

Sample Information

Client Sample ID: WQ032813:1710NP2-10 **York Sample ID:** 13D0138-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13D0138	Rowe Industries	Water	March 28, 2013 5:10 pm	04/02/2013

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
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:38	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:38	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:38	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.11	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:38	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.12	2.0	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:38	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:38	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.11	2.0	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:38	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:38	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.46	2.0	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:38	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.15	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:38	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:38	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:38	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.051	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:38	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.059	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:38	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:38	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:38	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:38	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.096	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:38	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.084	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:38	SS
591-78-6	2-Hexanone	ND		ug/L	0.24	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:38	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.072	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:38	SS
67-64-1	Acetone	ND		ug/L	0.90	2.0	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:38	SS
71-43-2	Benzene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:38	SS
108-86-1	Bromobenzene	ND		ug/L	0.081	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:38	SS
74-97-5	Bromochloromethane	ND		ug/L	0.10	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:38	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.054	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:38	SS
75-25-2	Bromoform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:38	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:38	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:38	SS
108-90-7	Chlorobenzene	ND		ug/L	0.063	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:38	SS
75-00-3	Chloroethane	ND		ug/L	0.090	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:38	SS
67-66-3	Chloroform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:38	SS
74-87-3	Chloromethane	ND		ug/L	0.076	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:38	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.069	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:38	SS

Sample Information

Client Sample ID: WQ032813:1710NP2-10 **York Sample ID:** 13D0138-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13D0138	Rowe Industries	Water	March 28, 2013 5:10 pm	04/02/2013

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
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.067	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:38	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.053	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:38	SS
74-95-3	Dibromomethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:38	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.092	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:38	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.057	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:38	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:38	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.056	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:38	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.48	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:38	SS
75-09-2	Methylene chloride	ND		ug/L	0.26	2.0	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:38	SS
91-20-3	Naphthalene	**0.22**	J, B	ug/L	0.090	2.0	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:38	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.083	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:38	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:38	SS
95-47-6	o-Xylene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:38	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.090	1.0	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:38	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:38	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:38	SS
100-42-5	Styrene	ND		ug/L	0.043	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:38	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:38	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:38	SS
108-88-3	Toluene	ND		ug/L	0.042	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:38	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:38	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.060	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:38	SS
79-01-6	Trichloroethylene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:38	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.094	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:38	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.062	0.50	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:38	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.12	1.5	1	EPA SW846-8260B	04/05/2013 09:33	04/05/2013 16:38	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*108 %*	*72.6-129*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*121 %*	*63.5-145*
2037-26-5	*Surrogate: Toluene-d8*	*103 %*	*81.2-127*

Sample Information

Client Sample ID: WQ032813:1710NP2-10 **York Sample ID:** 13D0138-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13D0138	Rowe Industries	Water	March 28, 2013 5:10 pm	04/02/2013

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	**0.0400**		mg/L	0.0100	0.0200	1	EPA SW846-6010B	04/04/2013 14:54	04/04/2013 18:51	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	**9.61**		mg/L	0.0100	0.0200	1	EPA 200.7	04/04/2013 14:56	04/04/2013 20:18	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	**83.0**		mg/L	1.00	1.00	1	SM 2540C	04/04/2013 09:58	04/05/2013 09:58	ALD

Analytical Batch Summary

Batch ID: BD30224 **Preparation Method:** % Solids Prep **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
13D0138-01	WQ032813:1710NP2-10	04/04/13
BD30224-BLK1	Blank	04/04/13
BD30224-DUP1	Duplicate	04/04/13

Batch ID: BD30233 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
13D0135-01	WQ032813:1700NP2-6	04/04/13
13D0135-02	WQ032813:1705NP2-7	04/04/13
13D0138-01	WQ032813:1710NP2-10	04/04/13
BD30233-BLK1	Blank	04/04/13
BD30233-DUP1	Duplicate	04/04/13
BD30233-MS1	Matrix Spike	04/04/13
BD30233-SRM1	Reference	04/04/13

Batch ID: BD30234 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
13D0135-01	WQ032813:1700NP2-6	04/04/13
13D0135-02	WQ032813:1705NP2-7	04/04/13
13D0138-01	WQ032813:1710NP2-10	04/04/13
BD30234-BLK1	Blank	04/04/13
BD30234-DUP1	Duplicate	04/04/13
BD30234-MS1	Matrix Spike	04/04/13
BD30234-SRM1	Reference	04/04/13

Batch ID: BD30258 **Preparation Method:** EPA 5030B **Prepared By:** EKM

YORK Sample ID	Client Sample ID	Preparation Date
13D0135-01	WQ032813:1700NP2-6	04/05/13
13D0135-02	WQ032813:1705NP2-7	04/05/13
13D0138-01	WQ032813:1710NP2-10	04/05/13
BD30258-BLK1	Blank	04/05/13
BD30258-BS1	LCS	04/05/13
BD30258-BSD1	LCS Dup	04/05/13

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 BD30258 - EPA 5030B											
Blank (BD30258-BLK1)											Prepared & Analyzed: 04/05/2013
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	0.69	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	"								

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 BD30258 - EPA 5030B											
Blank (BD30258-BLK1)								Prepared & Analyzed: 04/05/2013			
Styrene	ND	0.50	ug/L								
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	*11.8*		*"*	*10.0*		*118*	*63.5-145*				
Surrogate: Toluene-d8	*10.7*		*"*	*10.0*		*107*	*81.2-127*				
LCS (BD30258-BS1)								Prepared & Analyzed: 04/05/2013			
1,1,1,2-Tetrachloroethane	8.82		ug/L	10.0		88.2	82.3-130				
1,1,1-Trichloroethane	9.22		"	10.0		92.2	75.6-137				
1,1,2,2-Tetrachloroethane	10.1		"	10.0		101	71.3-131				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	7.55		"	10.0		75.5	71.1-129				
1,1,2-Trichloroethane	10.4		"	10.0		104	74.5-129				
1,1-Dichloroethane	9.01		"	10.0		90.1	79.6-132				
1,1-Dichloroethylene	6.90		"	10.0		69.0	80.2-146	Low Bias			
1,1-Dichloropropylene	8.75		"	10.0		87.5	75-136				
1,2,3-Trichlorobenzene	10.5		"	10.0		105	66.1-136				
1,2,3-Trichloropropane	11.5		"	10.0		115	63-131				
1,2,4-Trichlorobenzene	10.4		"	10.0		104	70.6-136				
1,2,4-Trimethylbenzene	9.40		"	10.0		94.0	75.3-135				
1,2-Dibromo-3-chloropropane	14.1		"	10.0		141	58.9-140	High Bias			
1,2-Dibromoethane	9.53		"	10.0		95.3	79-130				
1,2-Dichlorobenzene	9.87		"	10.0		98.7	76.1-122				
1,2-Dichloroethane	10.0		"	10.0		100	74.6-132				
1,2-Dichloropropane	8.78		"	10.0		87.8	76.9-129				
1,3,5-Trimethylbenzene	9.32		"	10.0		93.2	70.6-127				
1,3-Dichlorobenzene	8.91		"	10.0		89.1	77-124				
1,3-Dichloropropane	9.37		"	10.0		93.7	75.8-126				
1,4-Dichlorobenzene	9.40		"	10.0		94.0	76.6-125				
2,2-Dichloropropane	9.23		"	10.0		92.3	69-133				
2-Chlorotoluene	9.26		"	10.0		92.6	66.3-119				
2-Hexanone	10.4		"	10.0		104	70-130				
4-Chlorotoluene	9.53		"	10.0		95.3	69.2-127				
Acetone	6.36		"	10.0		63.6	70-130	Low Bias			
Benzene	9.33		"	10.0		93.3	76.2-129				
Bromobenzene	9.60		"	10.0		96.0	71.3-123				
Bromochloromethane	9.04		"	10.0		90.4	70.8-137				
Bromodichloromethane	9.57		"	10.0		95.7	79.7-134				
Bromoform	10.5		"	10.0		105	70.5-141				
Bromomethane	6.89		"	10.0		68.9	43.9-147				
Carbon tetrachloride	9.24		"	10.0		92.4	78.1-138				
Chlorobenzene	9.09		"	10.0		90.9	80.4-125				
Chloroethane	6.34		"	10.0		63.4	55.8-140				
Chloroform	9.53		"	10.0		95.3	76.6-133				
Chloromethane	4.20		"	10.0		42.0	48.8-115	Low Bias			
cis-1,2-Dichloroethylene	9.38		"	10.0		93.8	75.1-128				
cis-1,3-Dichloropropylene	9.62		"	10.0		96.2	74.5-128				

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 BD30258 - EPA 5030B											
LCS (BD30258-BS1)								Prepared & Analyzed: 04/05/2013			
Dibromochloromethane	9.82		ug/L	10.0		98.2	79.8-134				
Dibromomethane	10.8		"	10.0		108	79-130				
Dichlorodifluoromethane	1.72		"	10.0		17.2	47.1-101	Low Bias			
Ethyl Benzene	9.64		"	10.0		96.4	80.8-128				
Hexachlorobutadiene	10.1		"	10.0		101	64.8-128				
Isopropylbenzene	9.48		"	10.0		94.8	75.5-135				
Methyl tert-butyl ether (MTBE)	10.3		"	10.0		103	65.1-140				
Methylene chloride	8.89		"	10.0		88.9	61.3-120				
Naphthalene	10.1		"	10.0		101	62.3-148				
n-Butylbenzene	9.38		"	10.0		93.8	67.2-123				
n-Propylbenzene	9.33		"	10.0		93.3	70.5-127				
o-Xylene	9.26		"	10.0		92.6	75.9-122				
p- & m- Xylenes	19.3		"	20.0		96.4	77.7-127				
p-Isopropyltoluene	9.42		"	10.0		94.2	75.6-129				
sec-Butylbenzene	9.60		"	10.0		96.0	71.5-125				
Styrene	9.76		"	10.0		97.6	77.8-123				
tert-Butylbenzene	9.26		"	10.0		92.6	75.9-151				
Tetrachloroethylene	8.70		"	10.0		87.0	63.6-167				
Toluene	8.95		"	10.0		89.5	77-123				
trans-1,2-Dichloroethylene	8.02		"	10.0		80.2	76.3-139				
trans-1,3-Dichloropropylene	9.72		"	10.0		97.2	72.5-137				
Trichloroethylene	8.71		"	10.0		87.1	77.9-130				
Trichlorofluoromethane	6.97		"	10.0		69.7	57.4-133				
Vinyl Chloride	4.56		"	10.0		45.6	54.9-124	Low Bias			
Surrogate: 1,2-Dichloroethane-d4	*11.1*		*"*	*10.0*		*111*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*10.4*		*"*	*10.0*		*104*	*63.5-145*				
Surrogate: Toluene-d8	*10.4*		*"*	*10.0*		*104*	*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 BD30258 - EPA 5030B											
LCS Dup (BD30258-BSD1)							Prepared & Analyzed: 04/05/2013				
1,1,1,2-Tetrachloroethane	8.82		ug/L	10.0		88.2	82.3-130		0.00	21.1	
1,1,1-Trichloroethane	9.54		"	10.0		95.4	75.6-137		3.41	19.7	
1,1,2,2-Tetrachloroethane	9.89		"	10.0		98.9	71.3-131		2.40	20.8	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	7.38		"	10.0		73.8	71.1-129		2.28	21.7	
1,1,2-Trichloroethane	9.96		"	10.0		99.6	74.5-129		4.80	20.3	
1,1-Dichloroethane	9.03		"	10.0		90.3	79.6-132		0.222	20.6	
1,1-Dichloroethylene	7.16		"	10.0		71.6	80.2-146	Low Bias	3.70	20	
1,1-Dichloropropylene	8.98		"	10.0		89.8	75-136		2.59	19.3	
1,2,3-Trichlorobenzene	11.1		"	10.0		111	66.1-136		5.64	21.6	
1,2,3-Trichloropropane	10.1		"	10.0		101	63-131		12.2	23.9	
1,2,4-Trichlorobenzene	10.7		"	10.0		107	70.6-136		2.56	21.7	
1,2,4-Trimethylbenzene	9.91		"	10.0		99.1	75.3-135		5.28	18.8	
1,2-Dibromo-3-chloropropane	15.1		"	10.0		151	58.9-140	High Bias	6.77	27.7	
1,2-Dibromoethane	9.29		"	10.0		92.9	79-130		2.55	23	
1,2-Dichlorobenzene	9.77		"	10.0		97.7	76.1-122		1.02	19.8	
1,2-Dichloroethane	9.37		"	10.0		93.7	74.6-132		6.90	20.2	
1,2-Dichloropropane	9.06		"	10.0		90.6	76.9-129		3.14	20.7	
1,3,5-Trimethylbenzene	9.79		"	10.0		97.9	70.6-127		4.92	18.9	
1,3-Dichlorobenzene	9.39		"	10.0		93.9	77-124		5.25	19.2	
1,3-Dichloropropane	9.33		"	10.0		93.3	75.8-126		0.428	22.1	
1,4-Dichlorobenzene	9.44		"	10.0		94.4	76.6-125		0.425	18.6	
2,2-Dichloropropane	9.37		"	10.0		93.7	69-133		1.51	19.8	
2-Chlorotoluene	9.92		"	10.0		99.2	66.3-119		6.88	21.6	
2-Hexanone	9.85		"	10.0		98.5	70-130		5.34	30	
4-Chlorotoluene	10.1		"	10.0		101	69.2-127		5.91	19	
Acetone	5.54		"	10.0		55.4	70-130	Low Bias	13.8	30	
Benzene	9.40		"	10.0		94.0	76.2-129		0.747	19	
Bromobenzene	9.42		"	10.0		94.2	71.3-123		1.89	20.3	
Bromochloromethane	8.90		"	10.0		89.0	70.8-137		1.56	23.9	
Bromodichloromethane	9.39		"	10.0		93.9	79.7-134		1.90	21	
Bromoform	10.1		"	10.0		101	70.5-141		3.79	21.8	
Bromomethane	6.59		"	10.0		65.9	43.9-147		4.45	28.4	
Carbon tetrachloride	9.39		"	10.0		93.9	78.1-138		1.61	20.1	
Chlorobenzene	9.53		"	10.0		95.3	80.4-125		4.73	19.9	
Chloroethane	6.52		"	10.0		65.2	55.8-140		2.80	23.3	
Chloroform	9.71		"	10.0		97.1	76.6-133		1.87	20.3	
Chloromethane	4.06		"	10.0		40.6	48.8-115	Low Bias	3.39	24.5	
cis-1,2-Dichloroethylene	9.45		"	10.0		94.5	75.1-128		0.743	20.5	
cis-1,3-Dichloropropylene	9.79		"	10.0		97.9	74.5-128		1.75	19.9	
Dibromochloromethane	9.73		"	10.0		97.3	79.8-134		0.921	21.3	
Dibromomethane	10.5		"	10.0		105	79-130		3.20	22.4	
Dichlorodifluoromethane	1.60		"	10.0		16.0	47.1-101	Low Bias	7.23	23.9	
Ethyl Benzene	10.2		"	10.0		102	80.8-128		5.65	19.2	
Hexachlorobutadiene	10.6		"	10.0		106	64.8-128		5.12	20.6	
Isopropylbenzene	9.86		"	10.0		98.6	75.5-135		3.93	20	
Methyl tert-butyl ether (MTBE)	9.57		"	10.0		95.7	65.1-140		7.35	23.6	
Methylene chloride	8.86		"	10.0		88.6	61.3-120		0.338	20.4	
Naphthalene	10.0		"	10.0		100	62.3-148		0.794	27.1	
n-Butylbenzene	10.1		"	10.0		101	67.2-123		7.10	19.1	
n-Propylbenzene	9.90		"	10.0		99.0	70.5-127		5.93	23.4	
o-Xylene	9.62		"	10.0		96.2	75.9-122		3.81	19.3	
p- & m- Xylenes	20.0		"	20.0		100	77.7-127		3.97	18.6	
p-Isopropyltoluene	9.75		"	10.0		97.5	75.6-129		3.44	19.1	
sec-Butylbenzene	10.1		"	10.0		101	71.5-125		4.68	18.9	

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 BD30258 - EPA 5030B											
LCS Dup (BD30258-BSD1)								Prepared & Analyzed: 04/05/2013			
Styrene	10.1		ug/L	10.0		101	77.8-123		3.62	20.9	
tert-Butylbenzene	9.54		"	10.0		95.4	75.9-151		2.98	20.9	
Tetrachloroethylene	9.19		"	10.0		91.9	63.6-167		5.48	27.7	
Toluene	9.61		"	10.0		96.1	77-123		7.11	18.7	
trans-1,2-Dichloroethylene	8.01		"	10.0		80.1	76.3-139		0.125	19.5	
trans-1,3-Dichloropropylene	9.95		"	10.0		99.5	72.5-137		2.34	19.3	
Trichloroethylene	9.08		"	10.0		90.8	77.9-130		4.16	20.5	
Trichlorofluoromethane	7.07		"	10.0		70.7	57.4-133		1.42	21.4	
Vinyl Chloride	4.70		"	10.0		47.0	54.9-124	Low Bias	3.02	22.3	
Surrogate: 1,2-Dichloroethane-d4	*10.4*		*"*	*10.0*		*104*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*9.96*		*"*	*10.0*		*99.6*	*63.5-145*				
Surrogate: Toluene-d8	*10.4*		*"*	*10.0*		*104*	*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 BD30233 - EPA 3010A											
Blank (BD30233-BLK1)								Prepared & Analyzed: 04/04/2013			
Iron - Dissolved	ND	0.0200	mg/L								
Duplicate (BD30233-DUP1)	*Source sample: 13D0138-01 (WQ032813:1710NP2-10)							Prepared & Analyzed: 04/04/2013			
Iron - Dissolved	0.0266	0.0200	mg/L		0.0400				40.3	20	Non-dir.
Matrix Spike (BD30233-MS1)	*Source sample: 13D0138-01 (WQ032813:1710NP2-10)							Prepared & Analyzed: 04/04/2013			
Iron - Dissolved	1.08	0.0200	mg/L	1.00	0.0400	104	75-125				
Reference (BD30233-SRM1)								Prepared & Analyzed: 04/04/2013			
Iron - Dissolved	0.455	0.0200	mg/L	0.462		98.4	87.9-114				

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 BD30234 - EPA 3010A											
Blank (BD30234-BLK1)								Prepared & Analyzed: 04/04/2013			
Iron	ND	0.0200	mg/L								
Duplicate (BD30234-DUP1)	*Source sample: 13D0138-01 (WQ032813:1710NP2-10)							Prepared & Analyzed: 04/04/2013			
Iron	9.63	0.0200	mg/L		9.61				0.287	20	
Matrix Spike (BD30234-MS1)	*Source sample: 13D0138-01 (WQ032813:1710NP2-10)							Prepared & Analyzed: 04/04/2013			
Iron	10.8	0.0200	mg/L	1.00	9.61	118	75-125				
Reference (BD30234-SRM1)								Prepared & Analyzed: 04/04/2013			
Iron	0.452	0.0200	mg/L	0.462		97.8	87.9-114				

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 BD30224 - % Solids Prep											
Blank (BD30224-BLK1)									Prepared: 04/04/2013 Analyzed: 04/05/2013		
Total Dissolved Solids	ND	1.00	mg/L								
Duplicate (BD30224-DUP1)	*Source sample: 13D0138-01 (WQ032813:1710NP2-10)								Prepared: 04/04/2013 Analyzed: 04/05/2013		
Total Dissolved Solids	80.0	1.00	mg/L		83.0				3.68	15	

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
13D0135-01	WQ032813:1700NP2-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13D0135-02	WQ032813:1705NP2-7	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13D0138-01	WQ032813:1710NP2-10	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); 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. 13D0135

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: ↓		RUSH - Next Day ☐	Summary w/ QA Summary X, pdf
Phone No. 203-929-8555	Phone No.	Phone No.	Purchase Order No.	RUSH - Two Day ☐	CT RCP Package
Contact Person: Tunde Sandor	Attention:	Attention:	HABSAG.	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	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-[illegible]	BTU/lb.
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part 360-[illegible]	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)
WQ032813 1700NP2-6	3/28/13 1700	GW	Fe by EPA 200.7 / Fe, Dissolved by EPA 6010 (SW846-6010B) / VOCs, 8260 List (EPA SW845-8260B) plus freon 113	2v 2l
WQ032813 1705NP2-7	↓ 1705	GW	↓	2v 2l
WQ032813 1710NP2-10	↓ 1710	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)	2v 3l

Comments

Preservation
Check those Applicable
4°C____ Frozen____ HCl____ MeOH____ HNO3____ H2SO4____ NaOH____
ZnAc____ Ascorbic Acid____ Other____

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Samples Relinquished By	Date/Time	Samples Received By	Date/Time
[signature]	4/2/13 2:35	TC Hall	4/2/13 1437
Samples Relinquished By	Date/Time	Samples Received in LAB by [signature]	4/2/13-1720

Temperature on Receipt 4.1 °C

YORK
ANALYTICAL LABORATORIES, INC.

120 REBEARCH 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. 13D0138

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

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

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

YOUR Project ID
Rowe Industries.

Purchase Order No.
HABSAG.

Samples from: CT ___ NY X NJ ___

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

Report Type
- Summary Report X, pdf
- Summary w/ QA Summary X, pdf
- CT RCP Package
- CTRCP DQA/DUE Pkg
- NY ASP A Package
- NY ASP B Package NP2-10 only, pdf.
- NJDEP Red. Deliv.

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

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

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

Samples Collected/Authorized By (Signature)

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	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)
WQ032813:1700NP2-6	3/28/13 1700	GW	Fe by EPA 200.7 / Fe, Dissolved by EPA 6010 (SW846-6010B) / VOCs, 8260 List (EPA SW846-8260B) plus freon 113	2v 2p
WQ032813:1705NP2-7	1705	GW	↓	2v 2p
WQ032813:1710NP2-10	1710	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)	2v 3p

Comments

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

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Samples Relinquished By: Date/Time 4/2/13 2:35
Samples Relinquished By: Date/Time

Samples Received By: TC Hall Date/Time 4/2/13 1437
Samples Received in LAB by: J. Date/Time 4/2/13-1720

Temperature on Receipt 4.1 °C

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

YORK
ANALYTICAL LABORATORIES, INC.

Technical Report

prepared for:

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

Report Date: 03/28/2013
Client Project ID: Rowe Industries
York Project (SDG) No.: 13C0677

Report Date: 03/28/2013
Client Project ID: Rowe Industries
York Project (SDG) No.: 13C0677

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 March 22, 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
13C0677-01	GWQ032013:1017FRW1	Water	03/20/2013	03/22/2013
13C0677-02	GWQ032013:1100FRW2	Water	03/20/2013	03/22/2013
13C0677-03	GWQ032013:1340FRW3	Water	03/20/2013	03/22/2013
13C0677-04	GWQ032013:1421FRW4	Water	03/20/2013	03/22/2013

General Notes for York Project (SDG) No.: 13C0677

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: 03/28/2013

Robert Q. Bradley
Laboratory Director

YORK

Sample Information

Client Sample ID: GWQ032013:1017FRW1 **York Sample ID:** 13C0677-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13C0677	Rowe Industries	Water	March 20, 2013 10:17 am	03/22/2013

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	0.071	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 09:27	SS
71-55-6	1,1,1-Trichloroethane	**7.1**		ug/L	0.024	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 09:27	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 09:27	SS
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/L	0.074	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 09:27	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 09:27	SS
75-34-3	1,1-Dichloroethane	**1.4**		ug/L	0.044	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 09:27	SS
75-35-4	1,1-Dichloroethylene	**0.21**	J	ug/L	0.044	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 09:27	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.11	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 09:27	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.12	2.0	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 09:27	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 09:27	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.11	2.0	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 09:27	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 09:27	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.46	2.0	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 09:27	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.15	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 09:27	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 09:27	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 09:27	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.051	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 09:27	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.059	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 09:27	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 09:27	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 09:27	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 09:27	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.096	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 09:27	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.084	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 09:27	SS
591-78-6	2-Hexanone	ND		ug/L	0.24	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 09:27	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.072	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 09:27	SS
67-64-1	Acetone	**6.0**	B	ug/L	0.90	2.0	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 09:27	SS
71-43-2	Benzene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 09:27	SS
108-86-1	Bromobenzene	ND		ug/L	0.081	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 09:27	SS
74-97-5	Bromochloromethane	ND		ug/L	0.10	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 09:27	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.054	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 09:27	SS
75-25-2	Bromoform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 09:27	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 09:27	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 09:27	SS
108-90-7	Chlorobenzene	ND		ug/L	0.063	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 09:27	SS

Sample Information

Client Sample ID: GWQ032013:1017FRW1 **York Sample ID:** 13C0677-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13C0677	Rowe Industries	Water	March 20, 2013 10:17 am	03/22/2013

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	0.090	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 09:27	SS
67-66-3	Chloroform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 09:27	SS
74-87-3	Chloromethane	ND		ug/L	0.076	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 09:27	SS
156-59-2	cis-1,2-Dichloroethylene	**110**		ug/L	3.4	25	50	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 14:54	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.067	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 09:27	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.053	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 09:27	SS
74-95-3	Dibromomethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 09:27	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.092	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 09:27	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.057	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 09:27	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 09:27	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.056	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 09:27	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.48	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 09:27	SS
75-09-2	Methylene chloride	ND		ug/L	0.26	2.0	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 09:27	SS
91-20-3	Naphthalene	ND		ug/L	0.090	2.0	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 09:27	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.083	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 09:27	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 09:27	SS
95-47-6	o-Xylene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 09:27	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/L	0.090	1.0	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 09:27	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 09:27	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 09:27	SS
100-42-5	Styrene	ND		ug/L	0.043	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 09:27	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 09:27	SS
127-18-4	Tetrachloroethylene	**510**		ug/L	3.5	25	50	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 14:54	SS
108-88-3	Toluene	ND		ug/L	0.042	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 09:27	SS
156-60-5	trans-1,2-Dichloroethylene	**6.5**		ug/L	0.085	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 09:27	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.060	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 09:27	SS
79-01-6	Trichloroethylene	**48**		ug/L	3.6	25	50	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 14:54	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.094	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 09:27	SS
75-01-4	Vinyl Chloride	**3.0**		ug/L	0.062	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 09:27	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.12	1.5	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 09:27	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*102 %*	*72.6-129*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*114 %*	*63.5-145*
2037-26-5	*Surrogate: Toluene-d8*	*103 %*	*81.2-127*

Sample Information

Client Sample ID: GWQ032013:1017FRW1 **York Sample ID:** 13C0677-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13C0677	Rowe Industries	Water	March 20, 2013 10:17 am	03/22/2013

Methane, Ethane & Ethylene

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-84-0	Ethane	ND		ug/L	10	10	1	GC/Headspace	03/28/2013 16:08	03/28/2013 16:08	JW
74-85-1	Ethylene (Ethene)	ND		ug/L	10	10	1	GC/Headspace	03/28/2013 16:08	03/28/2013 16:08	JW

Sample Information

Client Sample ID: GWQ032013:1100FRW2 **York Sample ID:** 13C0677-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13C0677	Rowe Industries	Water	March 20, 2013 11:00 am	03/22/2013

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	0.071	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:06	SS
71-55-6	1,1,1-Trichloroethane	**0.27**	J	ug/L	0.024	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:06	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:06	SS
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/L	0.074	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:06	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:06	SS
75-34-3	1,1-Dichloroethane	**0.39**	J	ug/L	0.044	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:06	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:06	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.11	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:06	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.12	2.0	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:06	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:06	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.11	2.0	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:06	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:06	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.46	2.0	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:06	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.15	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:06	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:06	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:06	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.051	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:06	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.059	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:06	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:06	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:06	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:06	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.096	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:06	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.084	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:06	SS

Sample Information

Client Sample ID: GWQ032013:1100FRW2 **York Sample ID:** 13C0677-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13C0677	Rowe Industries	Water	March 20, 2013 11:00 am	03/22/2013

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	0.24	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:06	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.072	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:06	SS
67-64-1	Acetone	**60**	B	ug/L	9.0	20	10	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 15:33	SS
71-43-2	Benzene	**0.44**	J	ug/L	0.044	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:06	SS
108-86-1	Bromobenzene	ND		ug/L	0.081	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:06	SS
74-97-5	Bromochloromethane	ND		ug/L	0.10	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:06	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.054	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:06	SS
75-25-2	Bromoform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:06	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:06	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:06	SS
108-90-7	Chlorobenzene	ND		ug/L	0.063	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:06	SS
75-00-3	Chloroethane	ND		ug/L	0.090	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:06	SS
67-66-3	Chloroform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:06	SS
74-87-3	Chloromethane	ND		ug/L	0.076	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:06	SS
156-59-2	cis-1,2-Dichloroethylene	**69**		ug/L	0.69	5.0	10	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 15:33	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.067	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:06	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.053	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:06	SS
74-95-3	Dibromomethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:06	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.092	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:06	SS
100-41-4	Ethyl Benzene	**0.31**	J	ug/L	0.057	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:06	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:06	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.056	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:06	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.48	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:06	SS
75-09-2	Methylene chloride	ND		ug/L	0.26	2.0	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:06	SS
91-20-3	Naphthalene	ND		ug/L	0.090	2.0	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:06	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.083	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:06	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:06	SS
95-47-6	o-Xylene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:06	SS
1330-20-7P/M	p- & m- Xylenes	**0.44**	J	ug/L	0.090	1.0	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:06	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:06	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:06	SS
100-42-5	Styrene	ND		ug/L	0.043	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:06	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:06	SS
127-18-4	Tetrachloroethylene	**6.8**		ug/L	0.070	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:06	SS

Sample Information

Client Sample ID: GWQ032013:1100FRW2 **York Sample ID:** 13C0677-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13C0677	Rowe Industries	Water	March 20, 2013 11:00 am	03/22/2013

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
108-88-3	Toluene	**0.31**	J	ug/L	0.042	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:06	SS
156-60-5	trans-1,2-Dichloroethylene	**0.18**	J	ug/L	0.085	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:06	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.060	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:06	SS
79-01-6	Trichloroethylene	**1.2**		ug/L	0.071	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:06	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.094	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:06	SS
75-01-4	Vinyl Chloride	**9.1**		ug/L	0.062	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:06	SS
1330-20-7	Xylenes, Total	**0.44**	J	ug/L	0.12	1.5	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:06	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*105 %*	*72.6-129*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*112 %*	*63.5-145*
2037-26-5	*Surrogate: Toluene-d8*	*100 %*	*81.2-127*

Methane, Ethane & Ethylene

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

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-84-0	Ethane	ND		ug/L	10	10	1	GC/Headspace	03/28/2013 16:08	03/28/2013 16:08	JW
74-85-1	Ethylene (Ethene)	ND		ug/L	10	10	1	GC/Headspace	03/28/2013 16:08	03/28/2013 16:08	JW

Sample Information

Client Sample ID: GWQ032013:1340FRW3 **York Sample ID:** 13C0677-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13C0677	Rowe Industries	Water	March 20, 2013 1:40 pm	03/22/2013

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	0.071	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:45	SS
71-55-6	1,1,1-Trichloroethane	**0.71**		ug/L	0.024	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:45	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:45	SS
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/L	0.074	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:45	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:45	SS
75-34-3	1,1-Dichloroethane	**1.3**		ug/L	0.044	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:45	SS
75-35-4	1,1-Dichloroethylene	**0.14**	J	ug/L	0.044	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:45	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.11	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:45	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.12	2.0	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:45	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:45	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.11	2.0	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:45	SS

Sample Information

Client Sample ID: GWQ032013:1340FRW3 **York Sample ID:** 13C0677-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13C0677	Rowe Industries	Water	March 20, 2013 1:40 pm	03/22/2013

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
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:45	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.46	2.0	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:45	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.15	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:45	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:45	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:45	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.051	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:45	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.059	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:45	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:45	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:45	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:45	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.096	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:45	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.084	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:45	SS
591-78-6	2-Hexanone	ND		ug/L	0.24	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:45	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.072	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:45	SS
67-64-1	Acetone	**6.8**	B	ug/L	0.90	2.0	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:45	SS
71-43-2	Benzene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:45	SS
108-86-1	Bromobenzene	ND		ug/L	0.081	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:45	SS
74-97-5	Bromochloromethane	ND		ug/L	0.10	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:45	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.054	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:45	SS
75-25-2	Bromoform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:45	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:45	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:45	SS
108-90-7	Chlorobenzene	ND		ug/L	0.063	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:45	SS
75-00-3	Chloroethane	ND		ug/L	0.090	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:45	SS
67-66-3	Chloroform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:45	SS
74-87-3	Chloromethane	ND		ug/L	0.076	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:45	SS
156-59-2	cis-1,2-Dichloroethylene	**120**		ug/L	0.69	5.0	10	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 16:12	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.067	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:45	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.053	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:45	SS
74-95-3	Dibromomethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:45	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.092	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:45	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.057	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:45	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:45	SS
98-82-8	Isopropylbenzene	**0.32**	J	ug/L	0.056	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:45	SS

Sample Information

Client Sample ID: GWQ032013:1340FRW3 **York Sample ID:** 13C0677-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13C0677	Rowe Industries	Water	March 20, 2013 1:40 pm	03/22/2013

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
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.48	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:45	SS
75-09-2	Methylene chloride	ND		ug/L	0.26	2.0	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:45	SS
91-20-3	Naphthalene	ND		ug/L	0.090	2.0	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:45	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.083	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:45	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:45	SS
95-47-6	o-Xylene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:45	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/L	0.090	1.0	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:45	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:45	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:45	SS
100-42-5	Styrene	ND		ug/L	0.043	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:45	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:45	SS
127-18-4	Tetrachloroethylene	**25**		ug/L	0.070	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:45	SS
108-88-3	Toluene	ND		ug/L	0.042	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:45	SS
156-60-5	trans-1,2-Dichloroethylene	**0.23**	J	ug/L	0.085	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:45	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.060	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:45	SS
79-01-6	Trichloroethylene	**7.8**		ug/L	0.071	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:45	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.094	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:45	SS
75-01-4	Vinyl Chloride	**3.4**		ug/L	0.062	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:45	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.12	1.5	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 10:45	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*107 %*	*72.6-129*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*115 %*	*63.5-145*
2037-26-5	*Surrogate: Toluene-d8*	*99.4 %*	*81.2-127*

Methane, Ethane & Ethylene

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

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-84-0	Ethane	ND		ug/L	10	10	1	GC/Headspace	03/28/2013 16:08	03/28/2013 16:08	JW
74-85-1	Ethylene (Ethene)	ND		ug/L	10	10	1	GC/Headspace	03/28/2013 16:08	03/28/2013 16:08	JW

Sample Information

Client Sample ID: GWQ032013:1421FRW4 **York Sample ID:** 13C0677-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13C0677	Rowe Industries	Water	March 20, 2013 2:21 pm	03/22/2013

Volatile Organics, 8260 List - Low Level

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

Sample Information

Client Sample ID: GWQ032013:1421FRW4 **York Sample ID:** 13C0677-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13C0677	Rowe Industries	Water	March 20, 2013 2:21 pm	03/22/2013

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	0.071	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 11:25	SS
71-55-6	1,1,1-Trichloroethane	**2.4**		ug/L	0.024	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 11:25	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 11:25	SS
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/L	0.074	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 11:25	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.070	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 11:25	SS
75-34-3	1,1-Dichloroethane	**1.9**		ug/L	0.044	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 11:25	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 11:25	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.11	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 11:25	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.12	2.0	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 11:25	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.17	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 11:25	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.11	2.0	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 11:25	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 11:25	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.46	2.0	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 11:25	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.15	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 11:25	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.071	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 11:25	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 11:25	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.051	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 11:25	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.059	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 11:25	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 11:25	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 11:25	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.048	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 11:25	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.096	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 11:25	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.084	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 11:25	SS
591-78-6	2-Hexanone	ND		ug/L	0.24	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 11:25	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.072	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 11:25	SS
67-64-1	Acetone	**1.5**	J, B	ug/L	0.90	2.0	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 11:25	SS
71-43-2	Benzene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 11:25	SS
108-86-1	Bromobenzene	ND		ug/L	0.081	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 11:25	SS
74-97-5	Bromochloromethane	ND		ug/L	0.10	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 11:25	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.054	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 11:25	SS
75-25-2	Bromoform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 11:25	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 11:25	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 11:25	SS
108-90-7	Chlorobenzene	ND		ug/L	0.063	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 11:25	SS
75-00-3	Chloroethane	ND		ug/L	0.090	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 11:25	SS

Sample Information

Client Sample ID: GWQ032013:1421FRW4 **York Sample ID:** 13C0677-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13C0677	Rowe Industries	Water	March 20, 2013 2:21 pm	03/22/2013

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
67-66-3	Chloroform	ND		ug/L	0.079	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 11:25	SS
74-87-3	Chloromethane	ND		ug/L	0.076	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 11:25	SS
156-59-2	cis-1,2-Dichloroethylene	**43**		ug/L	0.69	5.0	10	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 16:50	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.067	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 11:25	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.053	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 11:25	SS
74-95-3	Dibromomethane	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 11:25	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.092	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 11:25	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.057	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 11:25	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.12	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 11:25	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.056	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 11:25	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.48	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 11:25	SS
75-09-2	Methylene chloride	ND		ug/L	0.26	2.0	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 11:25	SS
91-20-3	Naphthalene	ND		ug/L	0.090	2.0	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 11:25	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.083	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 11:25	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.068	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 11:25	SS
95-47-6	o-Xylene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 11:25	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/L	0.090	1.0	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 11:25	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.044	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 11:25	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 11:25	SS
100-42-5	Styrene	ND		ug/L	0.043	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 11:25	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.050	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 11:25	SS
127-18-4	Tetrachloroethylene	**62**		ug/L	0.70	5.0	10	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 16:50	SS
108-88-3	Toluene	ND		ug/L	0.042	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 11:25	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.085	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 11:25	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.060	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 11:25	SS
79-01-6	Trichloroethylene	**8.8**		ug/L	0.071	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 11:25	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.094	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 11:25	SS
75-01-4	Vinyl Chloride	**0.10**	J	ug/L	0.062	0.50	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 11:25	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.12	1.5	1	EPA SW846-8260B	03/26/2013 16:59	03/27/2013 11:25	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*104 %*	*72.6-129*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*120 %*	*63.5-145*
2037-26-5	*Surrogate: Toluene-d8*	*112 %*	*81.2-127*

Sample Information

Client Sample ID: GWQ032013:1421FRW4 **York Sample ID:** 13C0677-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13C0677	Rowe Industries	Water	March 20, 2013 2:21 pm	03/22/2013

Methane, Ethane & Ethylene

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-84-0	Ethane	ND		ug/L	10	10	1	GC/Headspace	03/28/2013 16:08	03/28/2013 16:08	JW
74-85-1	Ethylene (Ethene)	ND		ug/L	10	10	1	GC/Headspace	03/28/2013 16:08	03/28/2013 16:08	JW

Analytical Batch Summary

Batch ID: BC31268 **Preparation Method:** EPA 5030B **Prepared By:** BK

YORK Sample ID	Client Sample ID	Preparation Date
13C0677-01	GWQ032013:1017FRW1	03/26/13
13C0677-02	GWQ032013:1100FRW2	03/26/13
13C0677-03	GWQ032013:1340FRW3	03/26/13
13C0677-04	GWQ032013:1421FRW4	03/26/13
BC31268-BLK1	Blank	03/26/13
BC31268-BS1	LCS	03/26/13
BC31268-BSD1	LCS Dup	03/26/13

Batch ID: BC31323 **Preparation Method:** EPA 5030B **Prepared By:** BK

YORK Sample ID	Client Sample ID	Preparation Date
13C0677-01RE1	GWQ032013:1017FRW1	03/27/13
13C0677-02RE1	GWQ032013:1100FRW2	03/27/13
13C0677-03RE1	GWQ032013:1340FRW3	03/27/13
13C0677-04RE1	GWQ032013:1421FRW4	03/27/13
BC31323-BLK1	Blank	03/27/13
BC31323-BS1	LCS	03/27/13
BC31323-BSD1	LCS Dup	03/27/13

Batch ID: BC31345 **Preparation Method:** Preparation for GC Analysis **Prepared By:** JW

YORK Sample ID	Client Sample ID	Preparation Date
13C0677-01	GWQ032013:1017FRW1	03/28/13
13C0677-02	GWQ032013:1100FRW2	03/28/13
13C0677-03	GWQ032013:1340FRW3	03/28/13
13C0677-04	GWQ032013:1421FRW4	03/28/13
BC31345-BLK1	Blank	03/28/13

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

York Analytical Laboratories, Inc.

Batch BC31268 - EPA 5030B

Blank (BC31268-BLK1) Prepared: 03/26/2013 Analyzed: 03/27/2013

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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	1.6	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	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	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 BC31268 - EPA 5030B											
Blank (BC31268-BLK1)								Prepared: 03/26/2013 Analyzed: 03/27/2013			
Styrene	ND	0.50	ug/L								
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	*10.5*		*"*	*10.0*		*105*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*11.4*		*"*	*10.0*		*114*	*63.5-145*				
Surrogate: Toluene-d8	*10.0*		*"*	*10.0*		*100*	*81.2-127*				
LCS (BC31268-BS1)								Prepared: 03/26/2013 Analyzed: 03/27/2013			
1,1,1,2-Tetrachloroethane	9.44		ug/L	10.0		94.4	82.3-130				
1,1,1-Trichloroethane	9.16		"	10.0		91.6	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)	7.67		"	10.0		76.7	71.1-129				
1,1,2-Trichloroethane	9.46		"	10.0		94.6	74.5-129				
1,1-Dichloroethane	9.53		"	10.0		95.3	79.6-132				
1,1-Dichloroethylene	8.38		"	10.0		83.8	80.2-146				
1,1-Dichloropropylene	8.43		"	10.0		84.3	75-136				
1,2,3-Trichlorobenzene	10.5		"	10.0		105	66.1-136				
1,2,3-Trichloropropane	9.44		"	10.0		94.4	63-131				
1,2,4-Trichlorobenzene	10.4		"	10.0		104	70.6-136				
1,2,4-Trimethylbenzene	15.3		"	10.0		153	75.3-135	High Bias			
1,2-Dibromo-3-chloropropane	7.44		"	10.0		74.4	58.9-140				
1,2-Dibromoethane	9.97		"	10.0		99.7	79-130				
1,2-Dichlorobenzene	9.61		"	10.0		96.1	76.1-122				
1,2-Dichloroethane	9.76		"	10.0		97.6	74.6-132				
1,2-Dichloropropane	9.16		"	10.0		91.6	76.9-129				
1,3,5-Trimethylbenzene	11.6		"	10.0		116	70.6-127				
1,3-Dichlorobenzene	9.65		"	10.0		96.5	77-124				
1,3-Dichloropropane	9.22		"	10.0		92.2	75.8-126				
1,4-Dichlorobenzene	9.72		"	10.0		97.2	76.6-125				
2,2-Dichloropropane	6.93		"	10.0		69.3	69-133				
2-Chlorotoluene	9.52		"	10.0		95.2	66.3-119				
2-Hexanone	9.71		"	10.0		97.1	70-130				
4-Chlorotoluene	9.87		"	10.0		98.7	69.2-127				
Acetone	8.70		"	10.0		87.0	70-130				
Benzene	9.99		"	10.0		99.9	76.2-129				
Bromobenzene	9.32		"	10.0		93.2	71.3-123				
Bromochloromethane	9.49		"	10.0		94.9	70.8-137				
Bromodichloromethane	9.99		"	10.0		99.9	79.7-134				
Bromoform	10.3		"	10.0		103	70.5-141				
Bromomethane	9.19		"	10.0		91.9	43.9-147				
Carbon tetrachloride	8.89		"	10.0		88.9	78.1-138				
Chlorobenzene	9.47		"	10.0		94.7	80.4-125				
Chloroethane	9.61		"	10.0		96.1	55.8-140				
Chloroform	10.1		"	10.0		101	76.6-133				
Chloromethane	9.46		"	10.0		94.6	48.8-115				
cis-1,2-Dichloroethylene	9.87		"	10.0		98.7	75.1-128				
cis-1,3-Dichloropropylene	9.27		"	10.0		92.7	74.5-128				

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 BC31268 - EPA 5030B											
LCS (BC31268-BS1)								Prepared: 03/26/2013 Analyzed: 03/27/2013			
Dibromochloromethane	10.2		ug/L	10.0		102	79.8-134				
Dibromomethane	9.88		"	10.0		98.8	79-130				
Dichlorodifluoromethane	8.58		"	10.0		85.8	47.1-101				
Ethyl Benzene	10.0		"	10.0		100	80.8-128				
Hexachlorobutadiene	9.30		"	10.0		93.0	64.8-128				
Isopropylbenzene	10.1		"	10.0		101	75.5-135				
Methyl tert-butyl ether (MTBE)	9.45		"	10.0		94.5	65.1-140				
Methylene chloride	9.00		"	10.0		90.0	61.3-120				
Naphthalene	11.9		"	10.0		119	62.3-148				
n-Butylbenzene	9.75		"	10.0		97.5	67.2-123				
n-Propylbenzene	9.93		"	10.0		99.3	70.5-127				
o-Xylene	9.95		"	10.0		99.5	75.9-122				
p- & m- Xylenes	22.0		"	20.0		110	77.7-127				
p-Isopropyltoluene	10.8		"	10.0		108	75.6-129				
sec-Butylbenzene	9.96		"	10.0		99.6	71.5-125				
Styrene	15.7		"	10.0		157	77.8-123	High Bias			
tert-Butylbenzene	9.60		"	10.0		96.0	75.9-151				
Tetrachloroethylene	8.68		"	10.0		86.8	63.6-167				
Toluene	9.58		"	10.0		95.8	77-123				
trans-1,2-Dichloroethylene	8.69		"	10.0		86.9	76.3-139				
trans-1,3-Dichloropropylene	9.17		"	10.0		91.7	72.5-137				
Trichloroethylene	9.23		"	10.0		92.3	77.9-130				
Trichlorofluoromethane	8.42		"	10.0		84.2	57.4-133				
Vinyl Chloride	8.36		"	10.0		83.6	54.9-124				
Surrogate: 1,2-Dichloroethane-d4	*9.98*		*"*	*10.0*		*99.8*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*10.2*		*"*	*10.0*		*102*	*63.5-145*				
Surrogate: Toluene-d8	*9.87*		*"*	*10.0*		*98.7*	*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 BC31268 - EPA 5030B											
LCS Dup (BC31268-BSD1)									Prepared: 03/26/2013 Analyzed: 03/27/2013		
1,1,1,2-Tetrachloroethane	9.93		ug/L	10.0		99.3	82.3-130		5.06	21.1	
1,1,1-Trichloroethane	10.2		"	10.0		102	75.6-137		10.5	19.7	
1,1,2,2-Tetrachloroethane	10.6		"	10.0		106	71.3-131		3.08	20.8	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.45		"	10.0		84.5	71.1-129		9.68	21.7	
1,1,2-Trichloroethane	9.55		"	10.0		95.5	74.5-129		0.947	20.3	
1,1-Dichloroethane	10.1		"	10.0		101	79.6-132		5.51	20.6	
1,1-Dichloroethylene	9.02		"	10.0		90.2	80.2-146		7.36	20	
1,1-Dichloropropylene	9.19		"	10.0		91.9	75-136		8.63	19.3	
1,2,3-Trichlorobenzene	11.0		"	10.0		110	66.1-136		5.21	21.6	
1,2,3-Trichloropropane	9.60		"	10.0		96.0	63-131		1.68	23.9	
1,2,4-Trichlorobenzene	10.8		"	10.0		108	70.6-136		3.50	21.7	
1,2,4-Trimethylbenzene	15.1		"	10.0		151	75.3-135	High Bias	1.58	18.8	
1,2-Dibromo-3-chloropropane	7.80		"	10.0		78.0	58.9-140		4.72	27.7	
1,2-Dibromoethane	10.4		"	10.0		104	79-130		4.61	23	
1,2-Dichlorobenzene	9.93		"	10.0		99.3	76.1-122		3.28	19.8	
1,2-Dichloroethane	10.2		"	10.0		102	74.6-132		4.90	20.2	
1,2-Dichloropropane	9.32		"	10.0		93.2	76.9-129		1.73	20.7	
1,3,5-Trimethylbenzene	11.5		"	10.0		115	70.6-127		0.433	18.9	
1,3-Dichlorobenzene	9.75		"	10.0		97.5	77-124		1.03	19.2	
1,3-Dichloropropane	9.42		"	10.0		94.2	75.8-126		2.15	22.1	
1,4-Dichlorobenzene	9.80		"	10.0		98.0	76.6-125		0.820	18.6	
2,2-Dichloropropane	7.43		"	10.0		74.3	69-133		6.96	19.8	
2-Chlorotoluene	9.58		"	10.0		95.8	66.3-119		0.628	21.6	
2-Hexanone	10.0		"	10.0		100	70-130		3.04	30	
4-Chlorotoluene	9.93		"	10.0		99.3	69.2-127		0.606	19	
Acetone	9.07		"	10.0		90.7	70-130		4.16	30	
Benzene	10.7		"	10.0		107	76.2-129		6.49	19	
Bromobenzene	9.53		"	10.0		95.3	71.3-123		2.23	20.3	
Bromochloromethane	10.0		"	10.0		100	70.8-137		5.33	23.9	
Bromodichloromethane	10.2		"	10.0		102	79.7-134		1.79	21	
Bromoform	10.2		"	10.0		102	70.5-141		0.972	21.8	
Bromomethane	10.0		"	10.0		100	43.9-147		8.64	28.4	
Carbon tetrachloride	9.79		"	10.0		97.9	78.1-138		9.64	20.1	
Chlorobenzene	9.62		"	10.0		96.2	80.4-125		1.57	19.9	
Chloroethane	10.3		"	10.0		103	55.8-140		7.12	23.3	
Chloroform	10.6		"	10.0		106	76.6-133		5.20	20.3	
Chloromethane	10.2		"	10.0		102	48.8-115		8.02	24.5	
cis-1,2-Dichloroethylene	10.6		"	10.0		106	75.1-128		7.32	20.5	
cis-1,3-Dichloropropylene	9.68		"	10.0		96.8	74.5-128		4.33	19.9	
Dibromochloromethane	10.5		"	10.0		105	79.8-134		2.70	21.3	
Dibromomethane	10.0		"	10.0		100	79-130		1.21	22.4	
Dichlorodifluoromethane	10.1		"	10.0		101	47.1-101		16.2	23.9	
Ethyl Benzene	10.2		"	10.0		102	80.8-128		1.39	19.2	
Hexachlorobutadiene	9.55		"	10.0		95.5	64.8-128		2.65	20.6	
Isopropylbenzene	10.2		"	10.0		102	75.5-135		0.789	20	
Methyl tert-butyl ether (MTBE)	10.4		"	10.0		104	65.1-140		9.19	23.6	
Methylene chloride	9.60		"	10.0		96.0	61.3-120		6.45	20.4	
Naphthalene	12.3		"	10.0		123	62.3-148		3.63	27.1	
n-Butylbenzene	9.77		"	10.0		97.7	67.2-123		0.205	19.1	
n-Propylbenzene	10.1		"	10.0		101	70.5-127		1.60	23.4	
o-Xylene	10.0		"	10.0		100	75.9-122		0.601	19.3	
p- & m- Xylenes	22.2		"	20.0		111	77.7-127		1.13	18.6	
p-Isopropyltoluene	10.9		"	10.0		109	75.6-129		0.828	19.1	
sec-Butylbenzene	10.1		"	10.0		101	71.5-125		1.59	18.9	

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 BC31268 - EPA 5030B											
LCS Dup (BC31268-BSD1)								Prepared: 03/26/2013 Analyzed: 03/27/2013			
Styrene	15.0		ug/L	10.0		150	77.8-123	High Bias	4.50	20.9	
tert-Butylbenzene	9.80		"	10.0		98.0	75.9-151		2.06	20.9	
Tetrachloroethylene	9.13		"	10.0		91.3	63.6-167		5.05	27.7	
Toluene	9.69		"	10.0		96.9	77-123		1.14	18.7	
trans-1,2-Dichloroethylene	9.29		"	10.0		92.9	76.3-139		6.67	19.5	
trans-1,3-Dichloropropylene	9.22		"	10.0		92.2	72.5-137		0.544	19.3	
Trichloroethylene	9.49		"	10.0		94.9	77.9-130		2.78	20.5	
Trichlorofluoromethane	9.58		"	10.0		95.8	57.4-133		12.9	21.4	
Vinyl Chloride	9.13		"	10.0		91.3	54.9-124		8.81	22.3	
Surrogate: 1,2-Dichloroethane-d4	*10.4*		*"*	*10.0*		*104*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*10.2*		*"*	*10.0*		*102*	*63.5-145*				
Surrogate: Toluene-d8	*9.88*		*"*	*10.0*		*98.8*	*81.2-127*				
Batch BC31323 - EPA 5030B											
Blank (BC31323-BLK1)								Prepared & Analyzed: 03/27/2013			
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	1.3	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	"								

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 BC31323 - EPA 5030B											
Blank (BC31323-BLK1)									Prepared & Analyzed: 03/27/2013		
cis-1,3-Dichloropropylene	ND	0.50	ug/L								
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	*11.0*		*"*	*10.0*		*110*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*11.6*		*"*	*10.0*		*116*	*63.5-145*				
Surrogate: Toluene-d8	*9.87*		*"*	*10.0*		*98.7*	*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 BC31323 - EPA 5030B											
LCS (BC31323-BS1)							Prepared & Analyzed: 03/27/2013				
1,1,1,2-Tetrachloroethane	9.19		ug/L	10.0		91.9	82.3-130				
1,1,1-Trichloroethane	10.6		"	10.0		106	75.6-137				
1,1,2,2-Tetrachloroethane	9.70		"	10.0		97.0	71.3-131				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.95		"	10.0		99.5	71.1-129				
1,1,2-Trichloroethane	9.05		"	10.0		90.5	74.5-129				
1,1-Dichloroethane	12.1		"	10.0		121	79.6-132				
1,1-Dichloroethylene	9.73		"	10.0		97.3	80.2-146				
1,1-Dichloropropylene	9.62		"	10.0		96.2	75-136				
1,2,3-Trichlorobenzene	10.4		"	10.0		104	66.1-136				
1,2,3-Trichloropropane	9.03		"	10.0		90.3	63-131				
1,2,4-Trichlorobenzene	10.2		"	10.0		102	70.6-136				
1,2,4-Trimethylbenzene	15.6		"	10.0		156	75.3-135	High Bias			
1,2-Dibromo-3-chloropropane	6.91		"	10.0		69.1	58.9-140				
1,2-Dibromoethane	9.65		"	10.0		96.5	79-130				
1,2-Dichlorobenzene	9.69		"	10.0		96.9	76.1-122				
1,2-Dichloroethane	9.95		"	10.0		99.5	74.6-132				
1,2-Dichloropropane	9.11		"	10.0		91.1	76.9-129				
1,3,5-Trimethylbenzene	11.8		"	10.0		118	70.6-127				
1,3-Dichlorobenzene	9.69		"	10.0		96.9	77-124				
1,3-Dichloropropane	8.86		"	10.0		88.6	75.8-126				
1,4-Dichlorobenzene	9.78		"	10.0		97.8	76.6-125				
2,2-Dichloropropane	10.9		"	10.0		109	69-133				
2-Chlorotoluene	9.78		"	10.0		97.8	66.3-119				
2-Hexanone	9.14		"	10.0		91.4	70-130				
4-Chlorotoluene	9.97		"	10.0		99.7	69.2-127				
Acetone	8.28		"	10.0		82.8	70-130				
Benzene	10.5		"	10.0		105	76.2-129				
Bromobenzene	9.15		"	10.0		91.5	71.3-123				
Bromochloromethane	10.2		"	10.0		102	70.8-137				
Bromodichloromethane	9.96		"	10.0		99.6	79.7-134				
Bromoform	9.66		"	10.0		96.6	70.5-141				
Bromomethane	9.98		"	10.0		99.8	43.9-147				
Carbon tetrachloride	10.4		"	10.0		104	78.1-138				
Chlorobenzene	9.68		"	10.0		96.8	80.4-125				
Chloroethane	10.3		"	10.0		103	55.8-140				
Chloroform	10.7		"	10.0		107	76.6-133				
Chloromethane	10.1		"	10.0		101	48.8-115				
cis-1,2-Dichloroethylene	10.5		"	10.0		105	75.1-128				
cis-1,3-Dichloropropylene	9.51		"	10.0		95.1	74.5-128				
Dibromochloromethane	10.1		"	10.0		101	79.8-134				
Dibromomethane	9.67		"	10.0		96.7	79-130				
Dichlorodifluoromethane	11.3		"	10.0		113	47.1-101	High Bias			
Ethyl Benzene	10.4		"	10.0		104	80.8-128				
Hexachlorobutadiene	10.3		"	10.0		103	64.8-128				
Isopropylbenzene	10.4		"	10.0		104	75.5-135				
Methyl tert-butyl ether (MTBE)	12.8		"	10.0		128	65.1-140				
Methylene chloride	9.38		"	10.0		93.8	61.3-120				
Naphthalene	11.6		"	10.0		116	62.3-148				
n-Butylbenzene	10.3		"	10.0		103	67.2-123				
n-Propylbenzene	10.4		"	10.0		104	70.5-127				
o-Xylene	10.1		"	10.0		101	75.9-122				
p- & m- Xylenes	22.7		"	20.0		113	77.7-127				
p-Isopropyltoluene	11.4		"	10.0		114	75.6-129				
sec-Butylbenzene	10.6		"	10.0		106	71.5-125				

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 BC31323 - EPA 5030B											
LCS (BC31323-BS1)								Prepared & Analyzed: 03/27/2013			
Styrene	15.8		ug/L	10.0		158	77.8-123	High Bias			
tert-Butylbenzene	10.0		"	10.0		100	75.9-151				
Tetrachloroethylene	9.45		"	10.0		94.5	63.6-167				
Toluene	9.75		"	10.0		97.5	77-123				
trans-1,2-Dichloroethylene	12.5		"	10.0		125	76.3-139				
trans-1,3-Dichloropropylene	9.25		"	10.0		92.5	72.5-137				
Trichloroethylene	9.46		"	10.0		94.6	77.9-130				
Trichlorofluoromethane	10.4		"	10.0		104	57.4-133				
Vinyl Chloride	9.82		"	10.0		98.2	54.9-124				
Surrogate: 1,2-Dichloroethane-d4	*10.6*		*"*	*10.0*		*106*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*10.1*		*"*	*10.0*		*101*	*63.5-145*				
Surrogate: Toluene-d8	*9.73*		*"*	*10.0*		*97.3*	*81.2-127*				
LCS Dup (BC31323-BSD1)								Prepared & Analyzed: 03/27/2013			
1,1,1,2-Tetrachloroethane	9.80		ug/L	10.0		98.0	82.3-130		6.42	21.1	
1,1,1-Trichloroethane	10.4		"	10.0		104	75.6-137		1.33	19.7	
1,1,2,2-Tetrachloroethane	10.4		"	10.0		104	71.3-131		7.25	20.8	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.77		"	10.0		97.7	71.1-129		1.83	21.7	
1,1,2-Trichloroethane	9.72		"	10.0		97.2	74.5-129		7.14	20.3	
1,1-Dichloroethane	10.1		"	10.0		101	79.6-132		17.4	20.6	
1,1-Dichloroethylene	9.67		"	10.0		96.7	80.2-146		0.619	20	
1,1-Dichloropropylene	9.68		"	10.0		96.8	75-136		0.622	19.3	
1,2,3-Trichlorobenzene	10.3		"	10.0		103	66.1-136		0.871	21.6	
1,2,3-Trichloropropane	9.41		"	10.0		94.1	63-131		4.12	23.9	
1,2,4-Trichlorobenzene	10.2		"	10.0		102	70.6-136		0.393	21.7	
1,2,4-Trimethylbenzene	15.5		"	10.0		155	75.3-135	High Bias	1.03	18.8	
1,2-Dibromo-3-chloropropane	6.84		"	10.0		68.4	58.9-140		1.02	27.7	
1,2-Dibromoethane	10.2		"	10.0		102	79-130		5.74	23	
1,2-Dichlorobenzene	9.85		"	10.0		98.5	76.1-122		1.64	19.8	
1,2-Dichloroethane	9.84		"	10.0		98.4	74.6-132		1.11	20.2	
1,2-Dichloropropane	9.10		"	10.0		91.0	76.9-129		0.110	20.7	
1,3,5-Trimethylbenzene	11.6		"	10.0		116	70.6-127		1.54	18.9	
1,3-Dichlorobenzene	9.72		"	10.0		97.2	77-124		0.309	19.2	
1,3-Dichloropropane	9.43		"	10.0		94.3	75.8-126		6.23	22.1	
1,4-Dichlorobenzene	9.71		"	10.0		97.1	76.6-125		0.718	18.6	
2,2-Dichloropropane	10.3		"	10.0		103	69-133		5.56	19.8	
2-Chlorotoluene	9.72		"	10.0		97.2	66.3-119		0.615	21.6	
2-Hexanone	9.83		"	10.0		98.3	70-130		7.27	30	
4-Chlorotoluene	9.93		"	10.0		99.3	69.2-127		0.402	19	
Acetone	7.26		"	10.0		72.6	70-130		13.1	30	
Benzene	10.4		"	10.0		104	76.2-129		1.25	19	
Bromobenzene	9.39		"	10.0		93.9	71.3-123		2.59	20.3	
Bromochloromethane	10.1		"	10.0		101	70.8-137		1.28	23.9	
Bromodichloromethane	10.1		"	10.0		101	79.7-134		1.30	21	
Bromoform	11.1		"	10.0		111	70.5-141		13.6	21.8	
Bromomethane	9.96		"	10.0		99.6	43.9-147		0.201	28.4	
Carbon tetrachloride	10.4		"	10.0		104	78.1-138		0.385	20.1	
Chlorobenzene	9.76		"	10.0		97.6	80.4-125		0.823	19.9	
Chloroethane	10.1		"	10.0		101	55.8-140		1.57	23.3	
Chloroform	10.6		"	10.0		106	76.6-133		1.13	20.3	
Chloromethane	9.74		"	10.0		97.4	48.8-115		3.33	24.5	
cis-1,2-Dichloroethylene	10.4		"	10.0		104	75.1-128		0.670	20.5	
cis-1,3-Dichloropropylene	9.83		"	10.0		98.3	74.5-128		3.31	19.9	
Dibromochloromethane	10.8		"	10.0		108	79.8-134		6.63	21.3	

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 BC31323 - EPA 5030B											
LCS Dup (BC31323-BSD1)							Prepared & Analyzed: 03/27/2013				
Dibromomethane	9.97		ug/L	10.0		99.7	79-130		3.05	22.4	
Dichlorodifluoromethane	10.4		"	10.0		104	47.1-101	High Bias	8.41	23.9	
Ethyl Benzene	10.2		"	10.0		102	80.8-128		1.46	19.2	
Hexachlorobutadiene	10.1		"	10.0		101	64.8-128		1.97	20.6	
Isopropylbenzene	10.4		"	10.0		104	75.5-135		0.577	20	
Methyl tert-butyl ether (MTBE)	9.69		"	10.0		96.9	65.1-140		27.3	23.6	Non-dir.
Methylene chloride	7.32		"	10.0		73.2	61.3-120		24.7	20.4	Non-dir.
Naphthalene	11.8		"	10.0		118	62.3-148		1.97	27.1	
n-Butylbenzene	10.1		"	10.0		101	67.2-123		2.16	19.1	
n-Propylbenzene	10.2		"	10.0		102	70.5-127		2.43	23.4	
o-Xylene	10.0		"	10.0		100	75.9-122		0.298	19.3	
p- & m- Xylenes	22.2		"	20.0		111	77.7-127		1.91	18.6	
p-Isopropyltoluene	11.2		"	10.0		112	75.6-129		1.77	19.1	
sec-Butylbenzene	10.4		"	10.0		104	71.5-125		1.33	18.9	
Styrene	15.6		"	10.0		156	77.8-123	High Bias	1.53	20.9	
tert-Butylbenzene	10.0		"	10.0		100	75.9-151		0.199	20.9	
Tetrachloroethylene	9.38		"	10.0		93.8	63.6-167		0.743	27.7	
Toluene	9.54		"	10.0		95.4	77-123		2.18	18.7	
trans-1,2-Dichloroethylene	9.11		"	10.0		91.1	76.3-139		31.2	19.5	Non-dir.
trans-1,3-Dichloropropylene	9.78		"	10.0		97.8	72.5-137		5.57	19.3	
Trichloroethylene	9.55		"	10.0		95.5	77.9-130		0.947	20.5	
Trichlorofluoromethane	10.4		"	10.0		104	57.4-133		0.00	21.4	
Vinyl Chloride	9.59		"	10.0		95.9	54.9-124		2.37	22.3	
Surrogate: 1,2-Dichloroethane-d4	*10.5*		*"*	*10.0*		*105*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*10.1*		*"*	*10.0*		*101*	*63.5-145*				
Surrogate: Toluene-d8	*9.79*		*"*	*10.0*		*97.9*	*81.2-127*				

Gas Chromatography/Flame Ionization Determination - 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 BC31345 - Preparation for GC Analysis											
Blank (BC31345-BLK1)											Prepared & Analyzed: 03/28/2013
Ethane	ND	10	ug/L								
Ethylene (Ethene)	ND	10	"								

YORK
ANALYTICAL LABORATORIES, INC.

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
13C0677-01	GWQ032013:1017FRW1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13C0677-02	GWQ032013:1100FRW2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13C0677-03	GWQ032013:1340FRW3	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13C0677-04	GWQ032013:1421FRW4	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); 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
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. 13C0677

YOUR Information

Company: LBG Inc.
Address: 4 Research Dr. Suite 301
Shelton, CT 06484
Phone No. 203 929 8555
Contact Person: T. 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

Roux Industries

Purchase Order No.

NAB3AG004.07

Samples from: CT ___ NY X NJ ___

Turn-Around Time

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

Report Type

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

Electronic Data Deliverables (EDD)

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

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

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

Emily Allison
Samples Collected/Authorized By (Signature)

Emily Allison
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 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/Time Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
GWQ032013:1017FRW1	3/20/13 1017	GW	8260 full list / ethane, ethene	4v
GWQ032013:1100FRW2	1100			4v
GWQ032013:1340FRW3	1340			4v
GWQ032013:1421FRW4	1421			4v

Comments
One lab report per coc

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

4°C ___ Frozen ___ HCl X MeOH ___ HNO_3 ___ H_2SO_4 ___ NaOH ___
Zn Ac Ascorbic Acid Other

Samples Relinquished By — Date/Time: 3/22/13 1551
Samples Relinquished By — Date/Time:
Samples Received By — Date/Time: 3-22-13 13:50
Samples Received in LAB by — Date/Time: 3-22-13 15:10

Temperature on Receipt 3.7 °C

APPENDIX III

MARCH 2013 LABORATORY ANALYTICAL REPORTS

FOR AIR SAMPLES

YORK
ANALYTICAL LABORATORIES, INC.

Technical Report

prepared for:

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

Report Date: 03/21/2013
Client Project ID: Rowe Industries
York Project (SDG) No.: 13C0407

Report Date: 03/21/2013
Client Project ID: Rowe Industries
York Project (SDG) No.: 13C0407

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 March 14, 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
13C0407-01	AQ031313:1200NP4-1	Vapor Extraction	03/13/2013	03/14/2013
13C0407-02	AQ031313:1205NP4-2	Vapor Extraction	03/13/2013	03/14/2013
13C0407-03	AQ031313:1210NP4-3	Vapor Extraction	03/13/2013	03/14/2013

General Notes for York Project (SDG) No.: 13C0407

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: 03/21/2013

Robert Q. Bradley
Laboratory Director

YORK

Sample Information

Client Sample ID: AQ031313:1200NP4-1 **York Sample ID:** 13C0407-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13C0407	Rowe Industries	Vapor Extraction	March 13, 2013 12:00 pm	03/14/2013

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	0.43	0.43	1.646	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 17:28	TD
108-05-4	Vinyl acetate	ND		ug/m³	0.59	0.59	1.646	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 17:28	TD
79-01-6	Trichloroethylene	ND		ug/m³	0.45	0.45	1.646	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 17:28	TD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.76	0.76	1.646	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 17:28	TD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.66	0.66	1.646	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 17:28	TD
108-88-3	Toluene	**12**		ug/m³	0.63	0.63	1.646	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 17:28	TD
109-99-9	Tetrahydrofuran	**18**		ug/m³	0.49	0.49	1.646	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 17:28	TD
127-18-4	Tetrachloroethylene	ND		ug/m³	1.1	1.1	1.646	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 17:28	TD
100-42-5	Styrene	ND		ug/m³	0.71	0.71	1.646	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 17:28	TD
115-07-01	Propylene	ND		ug/m³	0.29	0.29	1.646	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 17:28	TD
622-96-8	p-Ethyltoluene	ND		ug/m³	4.1	4.1	1.646	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 17:28	TD
1330-20-7P/M	p- & m- Xylenes	**4.2**		ug/m³	0.73	0.73	1.646	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 17:28	TD
95-47-6	o-Xylene	**1.4**		ug/m³	0.73	0.73	1.646	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 17:28	TD
110-54-3	n-Hexane	**48**		ug/m³	0.59	0.59	1.646	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 17:28	TD
142-82-5	n-Heptane	ND		ug/m³	0.69	0.69	1.646	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 17:28	TD
75-09-2	Methylene chloride	**84**		ug/m³	0.58	0.58	1.646	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 17:28	TD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.60	0.60	1.646	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 17:28	TD
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.69	0.69	1.646	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 17:28	TD
67-63-0	Isopropanol	**15**		ug/m³	0.41	0.41	1.646	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 17:28	TD
87-68-3	Hexachlorobutadiene	ND		ug/m³	1.8	1.8	1.646	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 17:28	TD
100-41-4	Ethyl Benzene	**1.4**		ug/m³	0.73	0.73	1.646	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 17:28	TD
141-78-6	Ethyl acetate	ND		ug/m³	0.60	0.60	1.646	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 17:28	TD
110-82-7	Cyclohexane	ND		ug/m³	0.58	0.58	1.646	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 17:28	TD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.76	0.76	1.646	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 17:28	TD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.66	0.66	1.646	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 17:28	TD
74-87-3	Chloromethane	ND		ug/m³	0.35	0.35	1.646	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 17:28	TD
67-66-3	Chloroform	ND		ug/m³	0.82	0.82	1.646	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 17:28	TD
75-00-3	Chloroethane	ND		ug/m³	0.44	0.44	1.646	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 17:28	TD
56-23-5	Carbon tetrachloride	ND		ug/m³	0.53	0.53	1.646	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 17:28	TD
75-15-0	Carbon disulfide	**3.0**		ug/m³	0.52	0.52	1.646	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 17:28	TD
74-83-9	Bromomethane	ND		ug/m³	0.65	0.65	1.646	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 17:28	TD
75-25-2	Bromoform	ND		ug/m³	1.7	1.7	1.646	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 17:28	TD
75-27-4	Bromodichloromethane	ND		ug/m³	1.0	1.0	1.646	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 17:28	TD
100-44-7	Benzyl chloride	ND		ug/m³	0.87	0.87	1.646	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 17:28	TD

Sample Information

Client Sample ID: AQ031313:1200NP4-1 **York Sample ID:** 13C0407-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13C0407	Rowe Industries	Vapor Extraction	March 13, 2013 12:00 pm	03/14/2013

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
71-43-2	Benzene	**1.9**		ug/m³	0.53	0.53	1.646	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 17:28	TD
67-64-1	Acetone	**49**		ug/m³	0.40	0.40	1.646	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 17:28	TD
591-78-6	2-Hexanone	ND		ug/m³	0.69	0.69	1.646	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 17:28	TD
78-93-3	2-Butanone	**17**		ug/m³	0.49	0.49	1.646	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 17:28	TD
123-91-1	1,4-Dioxane	ND		ug/m³	0.60	0.60	1.646	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 17:28	TD
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	1.0	1.0	1.646	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 17:28	TD
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	1.0	1.0	1.646	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 17:28	TD
106-99-0	1,3-Butadiene	ND		ug/m³	0.73	0.73	1.646	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 17:28	TD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.82	0.82	1.646	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 17:28	TD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	1.2	1.2	1.646	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 17:28	TD
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.77	0.77	1.646	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 17:28	TD
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.68	0.68	1.646	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 17:28	TD
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	1.0	1.0	1.646	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 17:28	TD
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	0.82	0.82	1.646	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 17:28	TD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	1.2	1.2	1.646	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 17:28	TD
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.66	0.66	1.646	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 17:28	TD
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.68	0.68	1.646	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 17:28	TD
75-69-4	Trichlorofluoromethane (Freon 11)	**6.1**		ug/m³	0.94	0.94	1.646	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 17:28	TD
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.91	0.91	1.646	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 17:28	TD
76-13-1	,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/m³	1.3	1.3	1.646	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 17:28	TD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	1.1	1.1	1.646	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 17:28	TD
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	0.91	0.91	1.646	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 17:28	TD
75-71-8	Dichlorodifluoromethane	**2.9**		ug/m³	0.83	0.83	1.646	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 17:28	TD
106-93-4	1,2-Dibromoethane	ND		ug/m³	1.3	1.3	1.646	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 17:28	TD
124-48-1	Dibromochloromethane	ND		ug/m³	1.3	1.3	1.646	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 17:28	TD
80-62-6	Methyl Methacrylate	ND		ug/m³	0.68	0.68	1.646	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 17:28	TD
108-90-7	Chlorobenzene	ND		ug/m³	0.77	0.77	1.646	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 17:28	TD

	Surrogate Recoveries	Result	Acceptance Range
460-00-4	*Surrogate: p-Bromofluorobenzene*	*90.0 %*	*70-130*

Sample Information

Client Sample ID: AQ031313:1205NP4-2 **York Sample ID:** 13C0407-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13C0407	Rowe Industries	Vapor Extraction	March 13, 2013 12:05 pm	03/14/2013

Sample Information

Client Sample ID: **AQ031313:1205NP4-2** **York Sample ID:** **13C0407-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13C0407	Rowe Industries	Vapor Extraction	March 13, 2013 12:05 pm	03/14/2013

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	0.46	0.46	1.762	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 18:15	TD
108-05-4	Vinyl acetate	ND		ug/m³	0.63	0.63	1.762	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 18:15	TD
79-01-6	Trichloroethylene	**2.1**		ug/m³	0.48	0.48	1.762	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 18:15	TD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.81	0.81	1.762	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 18:15	TD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.71	0.71	1.762	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 18:15	TD
108-88-3	Toluene	**0.88**		ug/m³	0.68	0.68	1.762	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 18:15	TD
109-99-9	Tetrahydrofuran	ND		ug/m³	0.53	0.53	1.762	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 18:15	TD
127-18-4	Tetrachloroethylene	**61**		ug/m³	1.2	1.2	1.762	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 18:15	TD
100-42-5	Styrene	ND		ug/m³	0.76	0.76	1.762	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 18:15	TD
115-07-01	Propylene	ND		ug/m³	0.31	0.31	1.762	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 18:15	TD
622-96-8	p-Ethyltoluene	ND		ug/m³	4.4	4.4	1.762	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 18:15	TD
1330-20-7P/M	p- & m- Xylenes	ND		ug/m³	0.78	0.78	1.762	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 18:15	TD
95-47-6	o-Xylene	ND		ug/m³	0.78	0.78	1.762	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 18:15	TD
110-54-3	n-Hexane	ND		ug/m³	0.63	0.63	1.762	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 18:15	TD
142-82-5	n-Heptane	ND		ug/m³	0.73	0.73	1.762	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 18:15	TD
75-09-2	Methylene chloride	**2.3**		ug/m³	0.62	0.62	1.762	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 18:15	TD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.64	0.64	1.762	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 18:15	TD
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.73	0.73	1.762	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 18:15	TD
67-63-0	Isopropanol	ND		ug/m³	0.44	0.44	1.762	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 18:15	TD
87-68-3	Hexachlorobutadiene	ND		ug/m³	1.9	1.9	1.762	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 18:15	TD
100-41-4	Ethyl Benzene	ND		ug/m³	0.78	0.78	1.762	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 18:15	TD
141-78-6	Ethyl acetate	ND		ug/m³	0.65	0.65	1.762	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 18:15	TD
110-82-7	Cyclohexane	ND		ug/m³	0.62	0.62	1.762	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 18:15	TD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.81	0.81	1.762	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 18:15	TD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.71	0.71	1.762	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 18:15	TD
74-87-3	Chloromethane	ND		ug/m³	0.37	0.37	1.762	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 18:15	TD
67-66-3	Chloroform	**3.3**		ug/m³	0.87	0.87	1.762	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 18:15	TD
75-00-3	Chloroethane	ND		ug/m³	0.47	0.47	1.762	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 18:15	TD
56-23-5	Carbon tetrachloride	ND		ug/m³	0.56	0.56	1.762	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 18:15	TD
75-15-0	Carbon disulfide	**3.8**		ug/m³	0.56	0.56	1.762	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 18:15	TD
74-83-9	Bromomethane	ND		ug/m³	0.70	0.70	1.762	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 18:15	TD
75-25-2	Bromoform	ND		ug/m³	1.9	1.9	1.762	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 18:15	TD
75-27-4	Bromodichloromethane	ND		ug/m³	1.1	1.1	1.762	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 18:15	TD
100-44-7	Benzyl chloride	ND		ug/m³	0.93	0.93	1.762	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 18:15	TD
71-43-2	Benzene	ND		ug/m³	0.57	0.57	1.762	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 18:15	TD

Sample Information

Client Sample ID: AQ031313:1205NP4-2 **York Sample ID:** 13C0407-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13C0407	Rowe Industries	Vapor Extraction	March 13, 2013 12:05 pm	03/14/2013

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
67-64-1	Acetone	**20**		ug/m³	0.43	0.43	1.762	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 18:15	TD
591-78-6	2-Hexanone	ND		ug/m³	0.73	0.73	1.762	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 18:15	TD
78-93-3	2-Butanone	**5.3**		ug/m³	0.53	0.53	1.762	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 18:15	TD
123-91-1	1,4-Dioxane	ND		ug/m³	0.65	0.65	1.762	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 18:15	TD
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	1.1	1.1	1.762	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 18:15	TD
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	1.1	1.1	1.762	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 18:15	TD
106-99-0	1,3-Butadiene	ND		ug/m³	0.78	0.78	1.762	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 18:15	TD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.88	0.88	1.762	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 18:15	TD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	1.3	1.3	1.762	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 18:15	TD
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.83	0.83	1.762	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 18:15	TD
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.73	0.73	1.762	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 18:15	TD
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	1.1	1.1	1.762	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 18:15	TD
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	0.88	0.88	1.762	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 18:15	TD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	1.3	1.3	1.762	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 18:15	TD
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.71	0.71	1.762	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 18:15	TD
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.73	0.73	1.762	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 18:15	TD
75-69-4	Trichlorofluoromethane (Freon 11)	**2.3**		ug/m³	1.0	1.0	1.762	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 18:15	TD
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.98	0.98	1.762	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 18:15	TD
76-13-1	1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/m³	1.4	1.4	1.762	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 18:15	TD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	1.2	1.2	1.762	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 18:15	TD
71-55-6	1,1,1-Trichloroethane	**14**		ug/m³	0.98	0.98	1.762	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 18:15	TD
75-71-8	Dichlorodifluoromethane	**4.5**		ug/m³	0.89	0.89	1.762	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 18:15	TD
106-93-4	1,2-Dibromoethane	ND		ug/m³	1.4	1.4	1.762	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 18:15	TD
124-48-1	Dibromochloromethane	ND		ug/m³	1.4	1.4	1.762	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 18:15	TD
80-62-6	Methyl Methacrylate	ND		ug/m³	0.73	0.73	1.762	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 18:15	TD
108-90-7	Chlorobenzene	ND		ug/m³	0.83	0.83	1.762	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 18:15	TD

	Surrogate Recoveries	Result	Acceptance Range
460-00-4	*Surrogate: p-Bromofluorobenzene*	*107 %*	*70-130*

Sample Information

Client Sample ID: AQ031313:1210NP4-3 **York Sample ID:** 13C0407-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13C0407	Rowe Industries	Vapor Extraction	March 13, 2013 12:10 pm	03/14/2013

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: **AQ031313:1210NP4-3** **York Sample ID:** **13C0407-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13C0407	Rowe Industries	Vapor Extraction	March 13, 2013 12:10 pm	03/14/2013

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	0.45	0.45	1.72	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 19:49	TD
108-05-4	Vinyl acetate	ND		ug/m³	0.62	0.62	1.72	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 19:49	TD
79-01-6	Trichloroethylene	ND		ug/m³	0.47	0.47	1.72	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 19:49	TD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.79	0.79	1.72	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 19:49	TD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.69	0.69	1.72	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 19:49	TD
108-88-3	Toluene	ND		ug/m³	0.66	0.66	1.72	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 19:49	TD
109-99-9	Tetrahydrofuran	ND		ug/m³	0.52	0.52	1.72	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 19:49	TD
127-18-4	Tetrachloroethylene	ND		ug/m³	1.2	1.2	1.72	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 19:49	TD
100-42-5	Styrene	ND		ug/m³	0.75	0.75	1.72	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 19:49	TD
115-07-01	Propylene	ND		ug/m³	0.30	0.30	1.72	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 19:49	TD
622-96-8	p-Ethyltoluene	ND		ug/m³	4.3	4.3	1.72	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 19:49	TD
1330-20-7P/M	p- & m- Xylenes	ND		ug/m³	0.76	0.76	1.72	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 19:49	TD
95-47-6	o-Xylene	ND		ug/m³	0.76	0.76	1.72	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 19:49	TD
110-54-3	n-Hexane	ND		ug/m³	0.62	0.62	1.72	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 19:49	TD
142-82-5	n-Heptane	ND		ug/m³	0.72	0.72	1.72	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 19:49	TD
75-09-2	Methylene chloride	ND		ug/m³	0.61	0.61	1.72	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 19:49	TD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.63	0.63	1.72	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 19:49	TD
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.72	0.72	1.72	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 19:49	TD
67-63-0	Isopropanol	ND		ug/m³	0.43	0.43	1.72	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 19:49	TD
87-68-3	Hexachlorobutadiene	ND		ug/m³	1.9	1.9	1.72	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 19:49	TD
100-41-4	Ethyl Benzene	ND		ug/m³	0.76	0.76	1.72	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 19:49	TD
141-78-6	Ethyl acetate	ND		ug/m³	0.63	0.63	1.72	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 19:49	TD
110-82-7	Cyclohexane	ND		ug/m³	0.60	0.60	1.72	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 19:49	TD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.79	0.79	1.72	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 19:49	TD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.69	0.69	1.72	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 19:49	TD
74-87-3	Chloromethane	ND		ug/m³	0.36	0.36	1.72	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 19:49	TD
67-66-3	Chloroform	**2.0**		ug/m³	0.85	0.85	1.72	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 19:49	TD
75-00-3	Chloroethane	ND		ug/m³	0.46	0.46	1.72	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 19:49	TD
56-23-5	Carbon tetrachloride	ND		ug/m³	0.55	0.55	1.72	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 19:49	TD
75-15-0	Carbon disulfide	**2.5**		ug/m³	0.54	0.54	1.72	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 19:49	TD
74-83-9	Bromomethane	ND		ug/m³	0.68	0.68	1.72	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 19:49	TD
75-25-2	Bromoform	ND		ug/m³	1.8	1.8	1.72	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 19:49	TD
75-27-4	Bromodichloromethane	ND		ug/m³	1.1	1.1	1.72	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 19:49	TD
100-44-7	Benzyl chloride	ND		ug/m³	0.91	0.91	1.72	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 19:49	TD
71-43-2	Benzene	ND		ug/m³	0.56	0.56	1.72	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 19:49	TD

Sample Information

Client Sample ID: AQ031313:1210NP4-3 **York Sample ID:** 13C0407-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13C0407	Rowe Industries	Vapor Extraction	March 13, 2013 12:10 pm	03/14/2013

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
67-64-1	Acetone	ND		ug/m³	0.42	0.42	1.72	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 19:49	TD
591-78-6	2-Hexanone	ND		ug/m³	0.72	0.72	1.72	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 19:49	TD
78-93-3	2-Butanone	ND		ug/m³	0.52	0.52	1.72	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 19:49	TD
123-91-1	1,4-Dioxane	ND		ug/m³	0.63	0.63	1.72	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 19:49	TD
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	1.1	1.1	1.72	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 19:49	TD
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	1.1	1.1	1.72	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 19:49	TD
106-99-0	1,3-Butadiene	ND		ug/m³	0.76	0.76	1.72	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 19:49	TD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.86	0.86	1.72	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 19:49	TD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	1.2	1.2	1.72	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 19:49	TD
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.81	0.81	1.72	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 19:49	TD
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.71	0.71	1.72	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 19:49	TD
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	1.1	1.1	1.72	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 19:49	TD
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	0.86	0.86	1.72	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 19:49	TD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	1.3	1.3	1.72	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 19:49	TD
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.69	0.69	1.72	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 19:49	TD
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.71	0.71	1.72	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 19:49	TD
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m³	0.98	0.98	1.72	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 19:49	TD
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.95	0.95	1.72	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 19:49	TD
76-13-1	1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	ND		ug/m³	1.3	1.3	1.72	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 19:49	TD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	1.2	1.2	1.72	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 19:49	TD
71-55-6	1,1,1-Trichloroethane	**9.5**		ug/m³	0.95	0.95	1.72	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 19:49	TD
75-71-8	Dichlorodifluoromethane	**2.2**		ug/m³	0.87	0.87	1.72	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 19:49	TD
106-93-4	1,2-Dibromoethane	ND		ug/m³	1.3	1.3	1.72	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 19:49	TD
124-48-1	Dibromochloromethane	ND		ug/m³	1.4	1.4	1.72	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 19:49	TD
80-62-6	Methyl Methacrylate	ND		ug/m³	0.72	0.72	1.72	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 19:49	TD
108-90-7	Chlorobenzene	ND		ug/m³	0.81	0.81	1.72	EPA Compendium TO-15	03/20/2013 09:00	03/20/2013 19:49	TD

	Surrogate Recoveries	Result	Acceptance Range
460-00-4	*Surrogate: p-Bromofluorobenzene*	*101 %*	*70-130*

YORK
ANALYTICAL LABORATORIES, INC.

Analytical Batch Summary

Batch ID: BC31072 **Preparation Method:** EPA TO15 PREP **Prepared By:** TD

YORK Sample ID	Client Sample ID	Preparation Date
13C0407-01	AQ031313:1200NP4-1	03/20/13
13C0407-02	AQ031313:1205NP4-2	03/20/13
13C0407-03	AQ031313:1210NP4-3	03/20/13
BC31072-BLK1	Blank	03/20/13
BC31072-BS1	LCS	03/20/13
BC31072-DUP1	Duplicate	03/20/13

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 BC31072 - EPA TO15 PREP											
Blank (BC31072-BLK1)											Prepared & Analyzed: 03/20/2013
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	0.44	"								
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	ND	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	"								
Trichlorofluoromethane (Freon 11)	ND	0.57	"								
1,1,2-Trichloroethane	ND	0.55	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.78	"								

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 BC31072 - EPA TO15 PREP											
Blank (BC31072-BLK1)								Prepared & Analyzed: 03/20/2013			
1,1,2,2-Tetrachloroethane	ND	0.70	ug/m³								
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	*10.2*		*ppbv*	*10.0*		*102*	*70-130*				
LCS (BC31072-BS1)								Prepared & Analyzed: 03/20/2013			
Vinyl Chloride	12.3		ppbv	10.1		122	70-130				
Vinyl acetate	12.9		"	9.70		133	58.1-135				
Trichloroethylene	10.2		"	10.2		100	70-130				
trans-1,3-Dichloropropylene	14.3		"	9.90		144	62-135	High Bias			
trans-1,2-Dichloroethylene	10.0		"	9.50		106	58.3-130				
Toluene	12.0		"	10.8		111	64.9-126				
Tetrahydrofuran	13.3		"	10.2		131	44.6-146				
Tetrachloroethylene	10.5		"	10.5		100	70-130				
Styrene	12.0		"	10.7		112	66.4-132				
Propylene	15.9		"	11.0		145	62.4-150				
p-Ethyltoluene	13.0		"	10.4		125	73.8-146				
p- & m- Xylenes	23.6		"	21.0		112	56.6-136				
o-Xylene	12.7		"	10.8		118	67.8-133				
n-Hexane	12.1		"	10.3		117	59.7-130				
n-Heptane	12.8		"	10.4		123	62.3-134				
Methylene chloride	7.30		"	10.0		73.0	62.6-130				
Methyl tert-butyl ether (MTBE)	10.6		"	10.2		104	60.7-139				
4-Methyl-2-pentanone	13.0		"	10.0		130	64.5-158				
Isopropanol	8.28		"	9.90		83.6	60-150				
Hexachlorobutadiene	12.0		"	11.0		109	61.2-150				
Ethyl Benzene	11.5		"	10.7		108	68.4-125				
Ethyl acetate	13.7		"	10.0		137	40.6-150				
Cyclohexane	11.8		"	10.2		116	60.4-127				
cis-1,3-Dichloropropylene	12.6		"	10.7		118	65.5-129				
cis-1,2-Dichloroethylene	10.5		"	10.5		100	51.3-118				
Chloromethane	11.3		"	10.1		112	64.9-130				
Chloroform	10.2		"	10.0		102	65.1-130				
Chloroethane	12.4		"	10.1		122	52.1-131				
Carbon tetrachloride	9.92		"	10.1		98.2	70-130				
Carbon disulfide	9.70		"	10.0		97.0	61.8-111				
Bromomethane	10.9		"	10.2		107	60.1-140				
Bromoform	11.7		"	10.5		112	58.7-150				
Bromodichloromethane	10.2		"	10.2		99.9	65.3-127				
Benzyl chloride	13.8		"	10.2		135	62.5-150				
Benzene	10.3		"	10.4		98.7	69.5-130				
Acetone	11.4		"	10.0		114	55.3-133				
2-Hexanone	14.5		"	10.1		144	52-150				
2-Butanone	13.2		"	10.0		132	28.5-154				
1,4-Dioxane	11.6		"	10.2		114	50-150				
1,4-Dichlorobenzene	12.0		"	10.6		113	62.5-139				
1,3-Dichlorobenzene	11.8		"	10.2		116	71.9-153				
1,3-Butadiene	13.2		"	10.5		126	66.7-127				
1,3,5-Trimethylbenzene	12.4		"	10.6		117	65-152				
1,2-Dichlorotetrafluoroethane	11.0		"	10.1		109	63.3-129				

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York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC31072 - EPA TO15 PREP											
LCS (BC31072-BS1)								Prepared & Analyzed: 03/20/2013			
1,2-Dichloropropane	11.2		ppbv	10.7		105	21.3-152				
1,2-Dichloroethane	10.7		"	10.4		103	51.2-124				
1,2-Dichlorobenzene	11.7		"	10.6		110	63.7-148				
1,2,4-Trimethylbenzene	13.6		"	10.7		127	67.9-152				
1,2,4-Trichlorobenzene	13.3		"	11.0		121	58-147				
1,1-Dichloroethylene	9.82		"	9.80		100	58.1-130				
1,1-Dichloroethane	9.75		"	10.2		95.6	63.3-130				
Trichlorofluoromethane (Freon 11)	10.3		"	10.5		98.5	56-132				
1,1,2-Trichloroethane	11.1		"	10.7		104	66-127				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.36		"	9.70		86.2	60.2-125				
1,1,2,2-Tetrachloroethane	11.2		"	10.8		103	63.7-132				
1,1,1-Trichloroethane	9.84		"	10.4		94.6	58.2-126				
Dichlorodifluoromethane	10.8		"	10.0		108	62.8-133				
1,2-Dibromoethane	11.6		"	10.6		110	70-130				
Dibromochloromethane	11.0		"	10.6		103	70-130				
Methyl Methacrylate	10.9		"	10.1		108	70-130				
Chlorobenzene	9.75		"	10.8		90.3	67.6-122				
Surrogate: p-Bromofluorobenzene	*10.3*		*"*	*10.0*		*103*	*70-130*				
Duplicate (BC31072-DUP1)	*Source sample: 13C0407-02 (AQ031313:1205NP4-2)							Prepared & Analyzed: 03/20/2013			
Vinyl Chloride	ND	0.46	ug/m³		ND					25	
Vinyl acetate	ND	0.63	"		ND					25	
Trichloroethylene	1.9	0.48	"		2.1				9.52	25	
trans-1,3-Dichloropropylene	ND	0.81	"		ND					25	
trans-1,2-Dichloroethylene	ND	0.71	"		ND					25	
Toluene	0.81	0.68	"		0.88				8.00	25	
Tetrahydrofuran	ND	0.53	"		ND					25	
Tetrachloroethylene	58	1.2	"		61				5.12	25	
Styrene	ND	0.76	"		ND					25	
Propylene	ND	0.31	"		ND					25	
p-Ethyltoluene	ND	4.4	"		ND					25	
p- & m- Xylenes	ND	0.78	"		ND					25	
o-Xylene	ND	0.78	"		ND					25	
n-Hexane	ND	0.63	"		ND					25	
n-Heptane	ND	0.73	"		ND					25	
Methylene chloride	2.2	0.62	"		2.3				2.74	25	
Methyl tert-butyl ether (MTBE)	ND	0.64	"		ND					25	
4-Methyl-2-pentanone	ND	0.73	"		ND					25	
Isopropanol	ND	0.44	"		ND					25	
Hexachlorobutadiene	ND	1.9	"		ND					25	
Ethyl Benzene	ND	0.78	"		ND					25	
Ethyl acetate	ND	0.65	"		ND					25	
Cyclohexane	ND	0.62	"		ND					25	
cis-1,3-Dichloropropylene	ND	0.81	"		ND					25	
cis-1,2-Dichloroethylene	ND	0.71	"		ND					25	
Chloromethane	ND	0.37	"		ND					25	
Chloroform	3.2	0.87	"		3.3				2.67	25	
Chloroethane	ND	0.47	"		ND					25	
Carbon tetrachloride	ND	0.56	"		ND					25	
Carbon disulfide	3.6	0.56	"		3.8				6.06	25	
Bromomethane	ND	0.70	"		ND					25	
Bromoform	ND	1.9	"		ND					25	
Bromodichloromethane	ND	1.1	"		ND					25	
Benzyl chloride	ND	0.93	"		ND					25	

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 BC31072 - EPA TO15 PREP											
Duplicate (BC31072-DUP1)	*Source sample: 13C0407-02 (AQ031313:1205NP4-2)								Prepared & Analyzed: 03/20/2013		
Benzene	ND	0.57	ug/m³		ND					25	
Acetone	20	0.43	"		20				1.07	25	
2-Hexanone	ND	0.73	"		ND					25	
2-Butanone	4.9	0.53	"		5.3				7.25	25	
1,4-Dioxane	ND	0.65	"		ND					25	
1,4-Dichlorobenzene	ND	1.1	"		ND					25	
1,3-Dichlorobenzene	ND	1.1	"		ND					25	
1,3-Butadiene	ND	0.78	"		ND					25	
1,3,5-Trimethylbenzene	ND	0.88	"		ND					25	
1,2-Dichlorotetrafluoroethane	ND	1.3	"		ND					25	
1,2-Dichloropropane	ND	0.83	"		ND					25	
1,2-Dichloroethane	ND	0.73	"		ND					25	
1,2-Dichlorobenzene	ND	1.1	"		ND					25	
1,2,4-Trimethylbenzene	ND	0.88	"		ND					25	
1,2,4-Trichlorobenzene	ND	1.3	"		ND					25	
1,1-Dichloroethylene	ND	0.71	"		ND					25	
1,1-Dichloroethane	ND	0.73	"		ND					25	
Trichlorofluoromethane (Freon 11)	2.3	1.0	"		2.3				0.00	25	
1,1,2-Trichloroethane	ND	0.98	"		ND					25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.4	"		ND					25	
1,1,2,2-Tetrachloroethane	ND	1.2	"		ND					25	
1,1,1-Trichloroethane	14	0.98	"		14				4.84	25	
Dichlorodifluoromethane	4.4	0.89	"		4.5				1.98	25	
1,2-Dibromoethane	ND	1.4	"		ND					25	
Dibromochloromethane	ND	1.4	"		ND					25	
Methyl Methacrylate	ND	0.73	"		ND					25	
Chlorobenzene	ND	0.83	"		ND					25	
Surrogate: p-Bromofluorobenzene	*10.5*		*ppbv*	*10.0*		*105*	*70-130*				

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 - 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. 13C0407

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

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

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

YOUR Project ID
Rowe Industries

Purchase Order No.
NABSAG

Samples from: CT ___ NY X NJ ___

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

Report Type/Deliverables
- Summary Report X, pdf
- Summary w/ QA Summary X, pdf
- CT RCP Package ___
- NY ASP A Package ___
- NY ASP B/CLP Pkg X, pdf
- 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 HNAT
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
AQ031313: 1200NP4-1	3/13/13 1200	AE			EPA TO-15 List.	6 Liter Summa canister ✓ Tedlar Bag ___
AQ031313: 1205NP4-2	1205	AE				6 Liter Summa canister ___ Tedlar Bag ✓
AQ031313: 1210NP4-3	1210	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

Dakota Vaca 3/14/13
Samples Relinquished By Date/Time

Samples Relinquished By Date/Time

Samples Received By Date/Time

Pace 3-14-13 1510
Samples Received in LAB by Date/Time